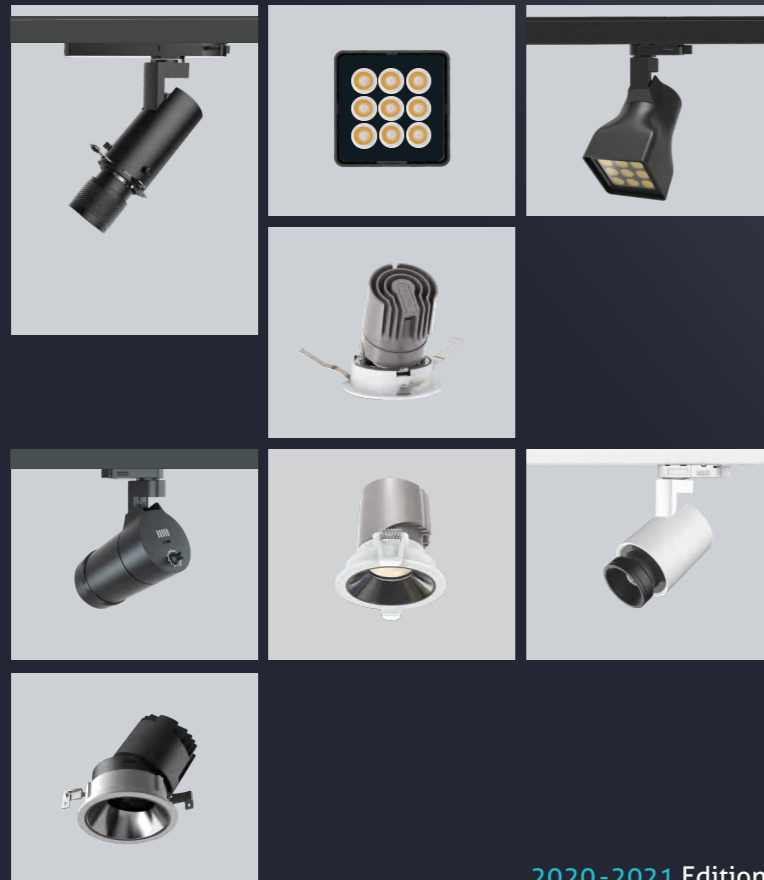


# PERFEKT LIGHT

LED LIGHTING SOLUTION FOR COMMERCIAL SITES,  
HOTELS, MUSEUMS AND GALLERIES.



*Light is the fourth dimension  
of architecture.*

*Light has soul!*

2020-2021 Edition

LED Track Light

OVEGA SERIES (15-70p)



P/025  
OVEGA  
Narrow Beam  
EN-TLO010-01



P/029  
OVEGA  
Standard  
EN-TLO020-11  
EN-TLO025-11  
EN-TLO030-11



P/035  
OVEGA  
Premium  
EN-TLO010-21  
EN-TLO015-21



P/035  
OVEGA  
Premium  
EN-TLO020-21  
EN-TLO025-21  
EN-TLO030-21



P/079  
IMAX  
Zoomable  
EN-TLI010-61



P/080  
IMAX  
Zoomable  
EN-TLI015-01  
EN-TLI020-01



P/080  
IMAX  
Zoomable  
EN-TLI030-01



P/087  
IMAX  
Projector  
EN-TLI020-71

FLEX SERIES (93-102p)



P/049  
OVEGA  
Zoomable  
EN-TLO010-31  
EN-TLO015-31



P/049  
OVEGA  
Zoomable  
EN-TLO020-31  
EN-TLO025-31  
EN-TLO030-31



P/055  
OVEGA  
Projector  
EN-TLO010-41  
EN-TLO015-41  
EN-TLO025-41



P/095  
FLEX  
Zoomable  
EN-TLF020-11  
EN-TLF025-11



P/095  
FLEX  
Zoomable  
EN-TLF020-12  
EN-TLF025-12



P/099  
FLEX  
Standard  
EN-TLF020-21  
EN-TLF025-21



P/099  
FLEX  
Standard  
EN-TLF020-22  
EN-TLF025-22

KINGO SERIES (103-108p)



P/061  
OVEGA  
Wall washer  
EN-TLO010-51



P/061  
OVEGA  
Wall washer  
EN-TLO020-51



P/065  
OVEGA  
Plus  
EN-TLO035-61



P/103  
KINGO  
EN-TLK030-01

MOFA SERIES (109-114p)



P/0109  
MOFA  
Projector  
EN-TLM030-01

AIMER SERIES (115-120p)



OVEGA  
Pendant



OVEGA  
Surface-mounted



OVEGA  
Wall-mounted



P/115  
AIMER  
EN-TLA025-01  
EN-TLA030-01  
EN-TLA035-01



P/115  
AIMER  
EN-TLA030-02

IMAX SERIES (71-92p)



P/073  
IMAX  
Standard-small  
EN-TLI015-51



P/073  
IMAX  
Standard  
EN-TLI020-51  
EN-TLI030-51

BIRO SERIES (121-124p)



P/121  
BIRO  
EN-TLB020-01  
EN-TLB030-01

CADIO SERIES (125-134p)



P/125  
CADIO  
Standard  
EN-TLC020-01  
EN-TLC030-01



P/131  
CADIO  
Premium  
EN-TLC025-11

LED Track Light

QUASAR SERIES (135-138p)



P/135  
QUASAR  
EN-TLJ050-01

GIMINI SERIES (139-142p)



P/139  
GEMINI  
EN-TLL015-01



P/139  
GEMINI  
EN-TLL035-01

TRACK SYSTEM (143-170p)



P/143  
3-circuit DALI Track System



P/149  
3-circuit Track System



P/161  
1-circuit Track System



P/167  
Robust Single Circuit  
Track System

LED Down Light

ELLA SERIES (171-267p)



P/185  
ELLA  
HOTEL



P/219  
ELLA  
RESIDENTIAL Series



P/243  
ELLA  
COMMERCIAL



P/253  
ELLA  
DEEP ANTI-GLARE



P/263  
ELLA  
WALL WASHER

VILLA SERIES (269-308p)



P/285  
VILLA  
Round Adjustable  
VRA050



P/285  
VILLA  
Round Adjustable  
VRA075



P/285  
VILLA  
Round Adjustable  
VRA095



P/285  
VILLA  
Round Adjustable  
VRA120



P/293  
VILLA  
Square Adjustable  
VSA082



P/293  
VILLA  
Square Adjustable  
VSA082-02



P/293  
VILLA  
Square Adjustable  
VSA082S



P/293  
VILLA  
Square Adjustable  
VSA082S-02



P/303  
VILLA  
Round Fixed  
VRF050



P/303  
VILLA  
Round Fixed  
VRF075



P/303  
VILLA  
Round Fixed  
VRF095



P/303  
VILLA  
Round Fixed  
VRF120

LED Down Light

FLOS SERIES (309-318p)



P/309  
FLOS  
EN-DLF009-01  
EN-DLF009-02



P/309  
FLOS  
EN-DLF011-01  
EN-DLF011-02



P/309  
FLOS  
EN-DLF015-01  
EN-DLF015-02



P/319  
CONCH  
EN-DLT025-11  
EN-DLT035-11

CONCH SERIES (319-322p)

AXIS SERIES (323-330p)



P/323  
AXIS  
EN-DLA020-01  
EN-DLA030-01  
EN-DLA038-01



P/323  
AXIS  
EN-DLA020-02  
EN-DLA030-02  
EN-DLA038-02



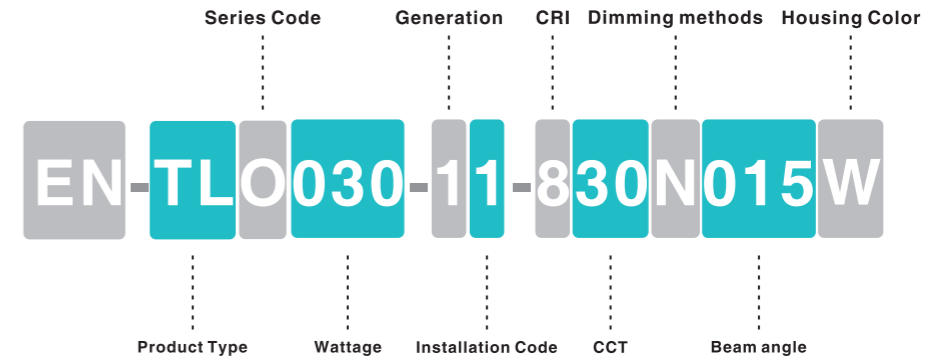
P/323  
AXIS  
EN-DLA040-03  
EN-DLA060-03  
EN-DLA076-03



P/323  
AXIS  
EN-DLA060-04  
EN-DLA090-04  
EN-DLA114-04

Model Explanation

Example Order: EN-TLO030-11-830N015W



Product Type	Series Code	Watt	Installation	CRI
T= Track light	TA= TLA	008= 8W	1= On Track	8 = 80CRI
D= Down light	TB=TLB	010= 10W	2= Surface-Mounted	9 = 90CRI
	TC=TLC	015= 15W	3= Suspending	H = 95CRI
	DA=DLA	120= 120W	4= Wall-Mounted	R = RGB
			5= Recessed	W= RGBW

CCT	Dimming Methods	Beam Angle	Housing Color
27= 2700K	N= None	15 = 15 Degree	W= White
30= 3000K	V=0/1-10V Dimmable	120= 120 Degree	B = Black
35= 3500K	Y=0/1-10V Dimmabl & With dimmer	1T7= 10 Degree - 70 Degree	S = Silver
40= 4000K	T= Triac	or 15 Degree - 75 Degree	
50= 5000K	F= Triac& With dimmer	4x2= 40x20 rectangle light	
57= 5700K	D= DALI dimming		
63= 6300K	Z= ZigBEE dimming		
65= 6500K	B= Bluetooth dimming		
25=2700+5000K	R= Infrared dimming		
35=3000+5000K	P= PWN dimming		
00=RGBW	E= ELV dimming		
01=RGBWW	W= WIFI dimming		



Surface-Mounted



Wall-Mounted



Pendant



# OVEGA

**UNLIMITED POSSIBILITIES** with OVEGA family. Seven versions in excellent modular combination concept with similar appearances but different light solutions entitle OVEGA family will fit smoothly into any retails, museums and galleries environment.





























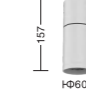








































In versions with different light solutions, OVEGA covers high performance accent lighting with very narrow beam 6°, different interchangeable beam lens & different optical accessories, flood lighting of exhibits, beam angle adjusting from narrow to wide, wall washing and projection.

Except versatile light solutions, OVEGA is also a complete family with different installation methods(track-mounted, pendant, surface-mounted and wall-mounted). So, if you have an environment where ask for different light solutions & different installation methods, OVEGA family will be a great choice to get a unified impression.

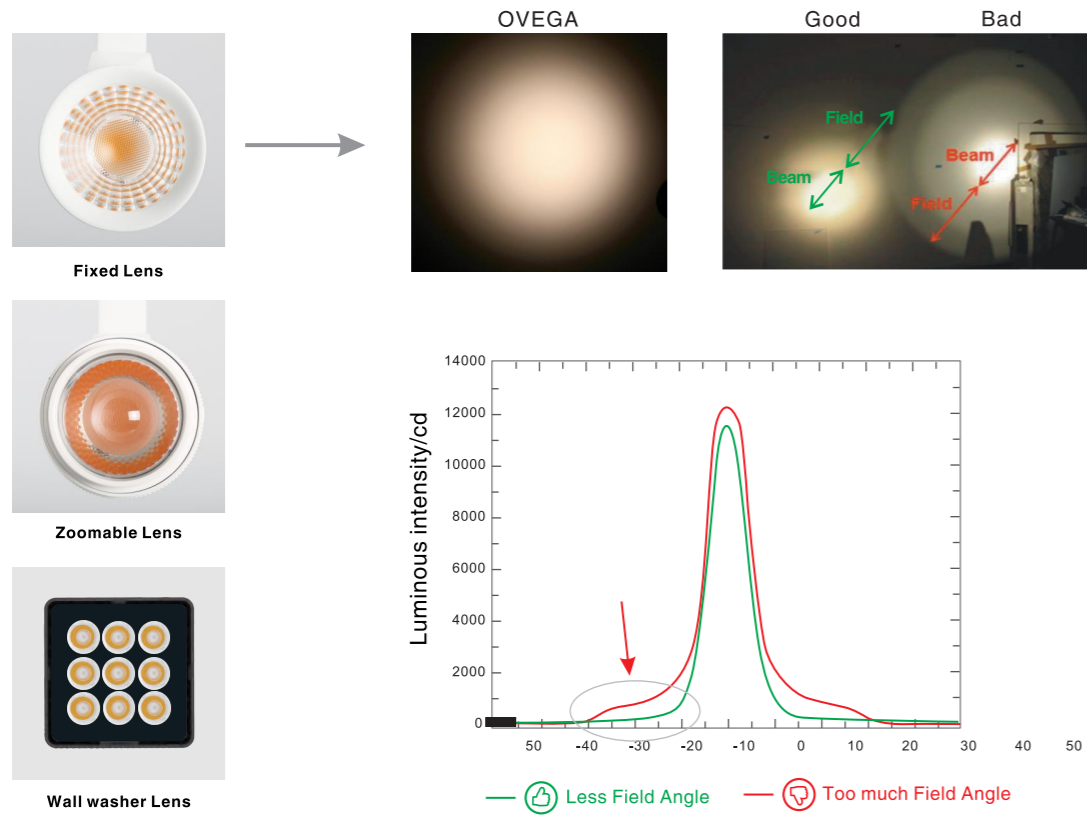
## Overview

<b>Application:</b>	Track-mounted, Pendant, Surface-mounted, Wall-mounted
<b>Light source:</b>	COB LED, High power LED
<b>Light solution:</b>	Narrow Beam 6° Fixed Lens 15°, 18°, 24°, 38°, 60° Zoomable 15°-45°, 25°-60° Projection (20°-40°+framing patterns) Wall Washing Flood lighting 10x25°, 15x45°, 15x60°
<b>SDCM:</b>	<3
<b>Watt:</b>	10W -35W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>Luminous:</b>	470lm-3395lm
<b>Control option:</b>	On/off, Triac, DALI
<b>CRI:</b>	80+, 90+
<b>Color:</b>	White, Black, Silver

# OVEGA OVERVIEW

Name & Picture	Narrow Beam	Standard	Premium		Zoomable		Projector	Wall Washer		Plus	
											
Model No.	EN-TLO010-01	EN-TLO020-11 EN-TLO025-11 EN-TLO030-11	EN-TLO010-21 EN-TLO015-21	EN-TLO020-21 EN-TLO025-21 EN-TLO030-21	EN-TLO010-31 EN-TLO015-31	EN-TLO020-31 EN-TLO025-31 EN-TLO030-31	EN-TLO010-41 EN-TLO015-41	EN-TLO025-41	EN-TLO0010-51 EN-TLO0015-51	EN-TLO020-51 EN-TLO030-51	EN-TLO0030-61 EN-TLO0035-61
Installation Methods	Pendant 										
	Wall-mounted 										
Surface-Mounted											
	Track-Mounted 										
Wattage and Luminous Flux	10W 470lm	20W 25W 30W 1900lm 2380lm 2900lm	10W 15W 935lm 1280lm	20W 25W 30W 2350lm 2850lm 3390lm	10W 15W 695lm 1250lm	20W 25W 30W 1830lm 2090lm 2440lm	10W 15W 466lm 917lm	25W 1486lm	10W 730lm	20W 1675lm	30W 35W 2953lm 3192lm
Beam Angle(°)	6°	15°, 24°, 38°, 60°	12°, 24°, 36°, 60°	15°, 18°, 24°, 38°, 60°	15°- 45°	25°- 60°	20°- 40°		25°x75°	25°x75°	10°, 25°, 40°, 60° 10°x25°, 15°x45°, 15°x60°
Color Temperature	Standard 3000K Option 4000K 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K		Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K	Standard 3000K 4000K Option 2700K 5000K
Dimming Methods	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI		Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI	Standard On/Off Option Triac DALI
Color Rendering Index_CRI	80+, 90+	80+, 90+	80+, 90+	80+, 90+	80+, 90+	80+, 90+	80+, 90+		80+, 90+	80+, 90+	80+, 90+
Housing Color	White, Black, Silver	White, Black, Silver	White, Black, Silver	White, Black, Silver	White, Black, Silver	White, Black, Silver	White, Black, Silver		White, Black, Silver	White, Black, Silver	White, Black, Silver
Optical Accessories	Polaroid Filters (8 different light shapes for your choice) 		 Honeycomb Filter  Cross Louvre  Barn Door  Eye Snoot  Wall Wash Ring  Barn Door	 Honeycomb Filter  Cross Louvre  Snoot  Eye Snoot  Wall Wash Ring  Barn Door	 Circular Small  Circular Big  Square  Rectangular  Wall Washing	 Circular Small  Circular Big  Square  Rectangular  Wall Washing			 Honeycomb Louve+ Wall Washer  Wall Washer  Filter		

• Optics



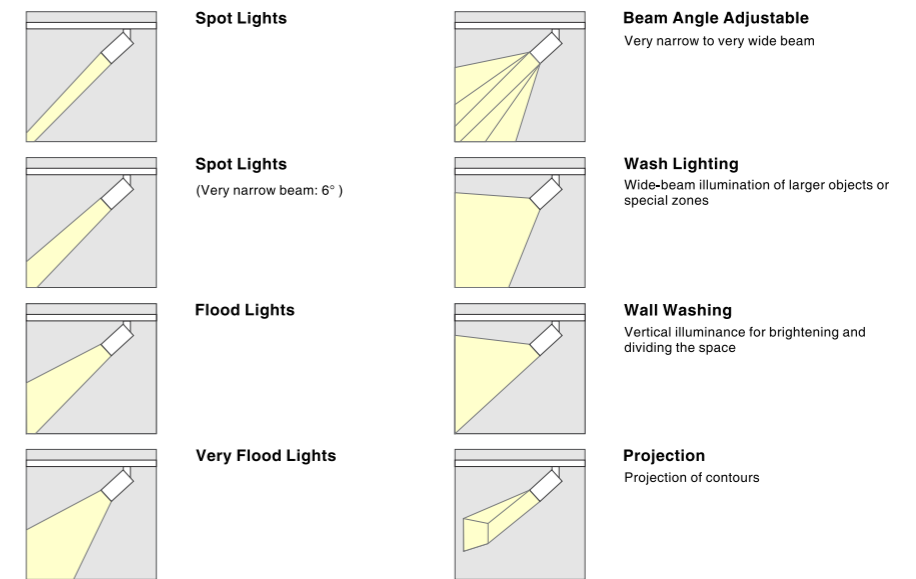
The following table below gives an overview of the suggested beam and field angles for each using the following definitions:

- Beam Angle = 2 X (half angle at 50% CBCP)
- Field Angle = 2 X (half angle at 10% CBCP)

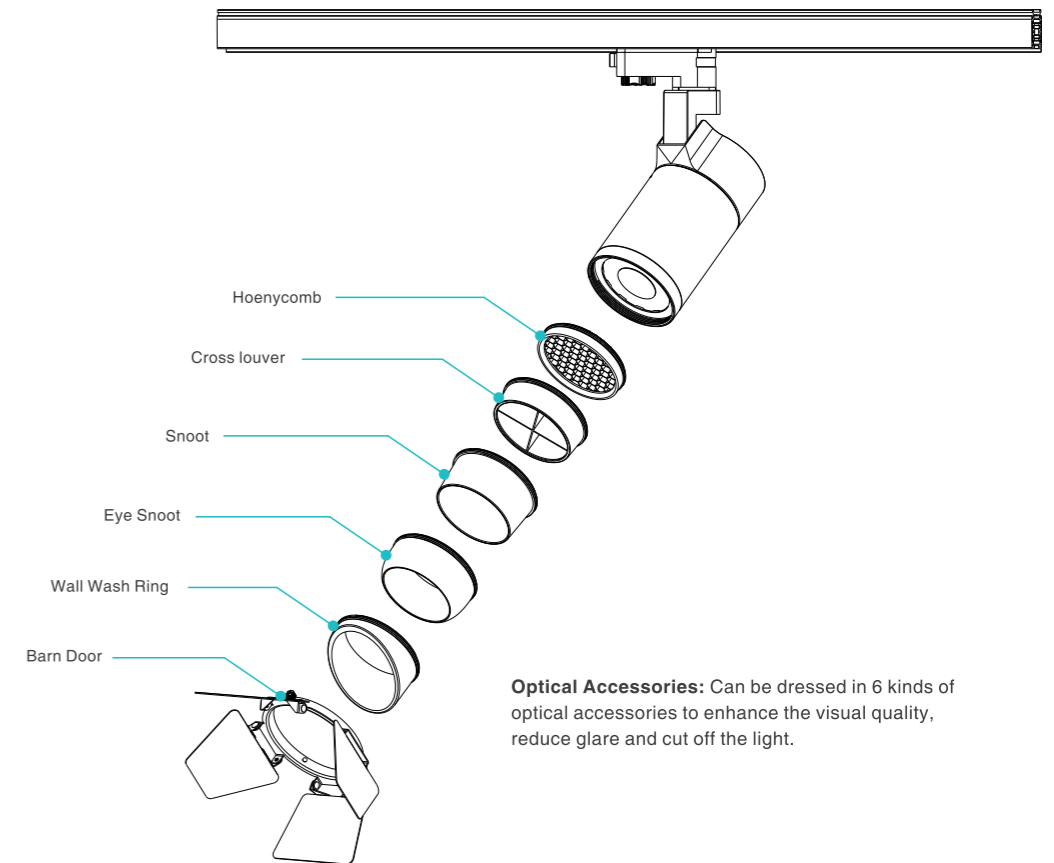
Distribution	Beam Angle	Field angle(preferred)
Narrow Spot(NS)	8°	15°- 18°
Spot(SP)	15°	25°- 30°
Narrow Flood(NF)	25°	40°- 45°
Flood(FL)	45°	60°- 65°
Wide Flood(WF)	60°	80°- 85°
Wall Wash(WW)	N/A	N/A

**NOTE:** While the difference in field angles is small the human eye is very sensitive to rapid changes. Please reference the Cartesian plot and photograph below. Stray light in the field is more critical with narrow beams.

• Light Solutions



• Anti-glare Accessories



• LED

**CREE LED COB**



2700K, 3000K, 3500K, 4000K and 5000K  
CRI80, CRI90, CRI93

115° viewing angle, uniform chromaticity profile  
Top-side solder connections  
Thermocouple attach point  
NEMA SSL-3 2011 standard fluxbins  
RoHS- and reach-compliant  
UL® recognized component(E349212)

**Luminus LED COB**



2700K, 3000K, 3500K, 4000K and 5000K  
CRI80, CRI90, CRI95

Excellent optical emission uniformity and color over angle consistency  
Exceptional long term color stability  
Superior thermal conductivity for uniform heat spreading  
Environmentally friendly: RoHS and REACH compliant

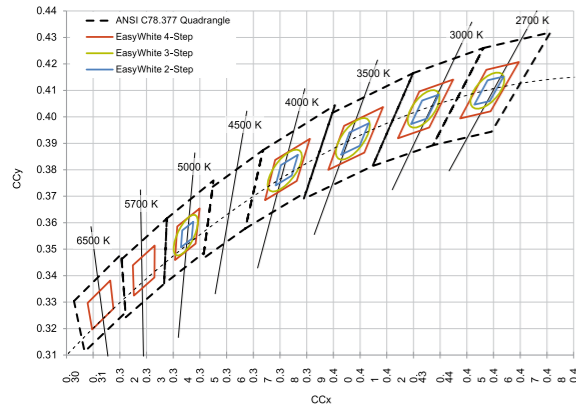
**Citizen LED COB**



2700K, 3000K, 3500K, 4000K and 5000K  
CRI80, CRI90, CRI95

RoHS compliant  
Better die arrangement for optics  
Wide range of luminous flux and high efficacy  
Improved lumen density compared with previous version

**Color Tolerance SDCM<3**



**Step 2:** Can't perceive color difference  
**Step 3:** Difficult to perceive color difference  
**Step 4:** Can perceive color difference

**CRI**



**Ra=80**



**Ra=90**



**Ra=95**

• Led Driver Solutions

**AC200-240V Market**

Tridonic LED Driver	Product description	Functions	Standards
	<ul style="list-style-type: none"> <li>Fixed output built-in LED Driver</li> <li>Constant current LED Driver</li> <li>For luminaires of protection class I I</li> <li>For ambient temperature up to 60 °C</li> <li>Nominal life-time up to 50,000 h (at ta 50 °C)</li> <li>5-year guarantee</li> </ul>	<ul style="list-style-type: none"> <li>Over voltage protection</li> <li>Short-circuit protection</li> <li>Over temperature protection</li> <li>No-load protection</li> </ul>	EN 55015 EN 61000-3-2 EN 61000-3-3 EN 61347-1 EN 61347-2-13 EN 61547

HEP LED Driver	Product description	Functions	Standards
	<ul style="list-style-type: none"> <li>Support switch on/off and Triac dimming.</li> <li>Fixed output built-in LED Driver</li> <li>Constant current LED Driver</li> <li>For luminaires of protection class I I</li> <li>For ambient temperature up to 60 °C</li> <li>Nominal life-time up to 50,000 h (at ta 50 °C)</li> <li>5-year guarantee</li> </ul>	<ul style="list-style-type: none"> <li>Over voltage protection</li> <li>Short-circuit protection</li> <li>Over temperature protection</li> <li>No-load protection</li> </ul>	EN 55015 EN 61000-3-2 EN 61000-3-3 EN 61347-1 EN 61347-2-13 EN 61547

**AC120V Market**

Lifud LED Driver	Product description	Functions	Standards
	<ul style="list-style-type: none"> <li>Fixed output built-in LED Driver</li> <li>Constant current LED Driver</li> <li>For luminaires of protection class I I</li> <li>70°C maximum case hot spot temperature</li> <li>Life-time up to 50,000 h at ta 60 °C hot spot temperature</li> <li>3-year guarantee</li> </ul>	<ul style="list-style-type: none"> <li>Under voltage protection</li> <li>Over-current and short-circuit protection</li> </ul>	UI8750 UL1310 Class 2 CSA22.2 FCC-PART-15B EN61000-4-2,3,4,5,6,8,11; EN61547

ERP LED Driver	Product description	Functions	Standards
	<ul style="list-style-type: none"> <li>Fixed output built-in LED Driver</li> <li>Constant current LED Driver</li> <li>For luminaires of protection class I I</li> <li>90°C maximum case hot spot temperature</li> <li>Life-time up to 50,000 h at ta 70 °C hot spot temperature</li> <li>5-year guarantee</li> </ul>	<ul style="list-style-type: none"> <li>Under voltage protection</li> <li>Over-current and short-circuit protection</li> <li>Over temperature protection</li> <li>Output open load protection</li> </ul>	UI8750 UL1310 Class 2 CSA22.2 FCC CFR Title 47 Part 15 Class B



• Ultimate Adapter With Concealed Driver

• Ultimate Adapter-Base Version:

PRO-03550, PRO-03750 / one circuit



PRO-04550, PRO-04750 / 3 circuit



Specifications:Flicker Free  
 Input: 120V-240Vac, 50/60HZ  
 Output: 16-38 Vdc, 45 Vdc.Max.  
 PF>0.9, THD<15%  
 ta: -25°C -40°C , tc: 85°C  
 Unloaded Protection; Short-circuit Protection; Overvoltage Protection;  
 Certificate: ENEC/UL/SAA/CCC

• Ultimate Adapter- DALI Version:

PRO-D6750



Specifications:  
 Flicker Free  
 Input: 120V-240Vac, 50/60HZ  
 Output: 16-38 Vdc, 45 Vdc.Max.  
 PF>0.9, THD 15%  
 ta: -25°C -40°C , tc: 85°C  
 Unloaded Protection; Short-circuit Protection; Overvoltage Protection;  
 Certificate: ENEC/UL/SAA/CCC

DALI connection, remote control via bluetooth 64 devices interlinking, any lighting scene as desired.

APP remote control   
 Dimming Range: 5%~100%

• Ultimate Adapter-Zigbee Version:

PRO-03550ZB, PRO-03750ZB / one circuit



PRO-04550ZB, PRO-04750ZB / 3 circuit



Specifications:  
 Flicker Free  
 Input: 120V-240Vac, 50/60HZ  
 Output: 16-38 Vdc, 45 Vdc.Max.  
 PF>0.9, THD<15%  
 ta: -25°C -40°C , tc: 85°C  
 Unloaded Protection; Short-circuit Protection; Overvoltage Protection;  
 Certificate: ENEC/SAA/UL/CQC/CE

Zigbee connection; cloud remote control 128 devices interlinking, any lighting scene as desired IOT concept, lighting management control system.

APP remote control   
 Dimming Range: 5%~100%



• Hidden Advantage



1 **PLAY LIGHT private Joiner**  
 Can hold the track head at any point without loosen

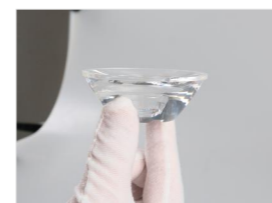


2 **360° + Rotatable**  
 without dead angle



3 • Can fit **CITIZEN, CREE, LUMINUS** COB LED  
 • Lens can fully fit in the LED holder **without positioning**  
 • PC material, can increase the lumen **3%**

4 **Only 2 Steps** to finish replacing a new Lens without tools needed!



1. Prepare the New lens



2. Put the lens in the LED holder without positioning

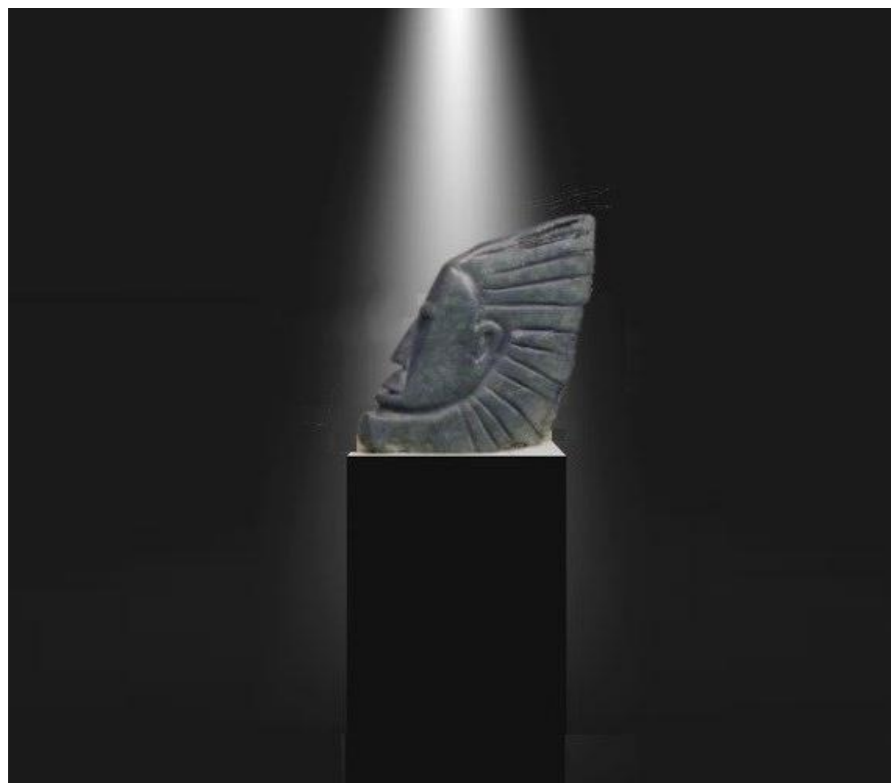


3. Screw in the front ring

## | Narrow Beam

OVEGA(EN-TLO series, Narrow Beam 6°) is a stylish and compact LED track light that will fit smoothly into any show windows, museums where ask for very narrow spot. Simply adding extra optical accessories, the light shape can be changed to square, rectangular, oval..... creates unique atmosphere in the end.

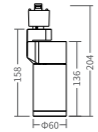
The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.



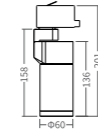
### MAIN FEATURES

- Stylish and compact design with integrated driver.
- Very narrow beam 6°with quality light distribution.
- Simply adding extra optical accessories, the light shape can be changed to square, rectangular, line.....
- Privately-designed joints can hold the lights at any positions without malfunctions.
- **360°+** rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.

EN-TLO010-01



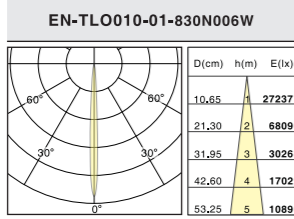
3-pin track adaptor



4-pin track adaptor



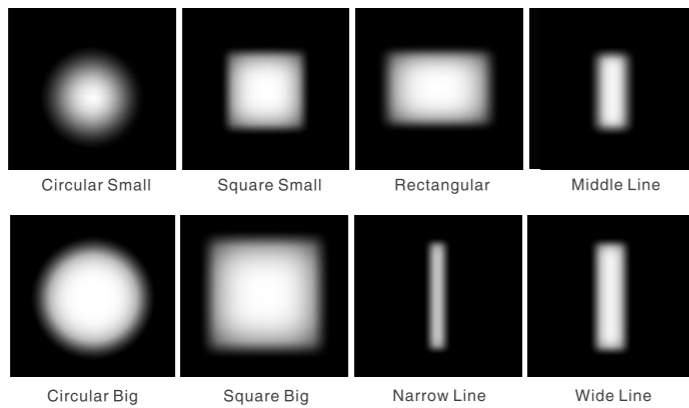
3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO010-01-830N006W	10 W	700mA	669 lm	80+	3000K	6°
EN-TLO010-01-840N006W	10 W	700mA	719 lm	80+	4000K	6°

### 8 Different Light Shapes

Simply adding extra optical accessories, the light shape can be changed to big circle, square, rectangular, line.....



Circular Small    Square Small    Rectangular    Middle Line  
 Circular Big    Square Big    Narrow Line    Wide Line

### Excellent Modular Combination Concept



Track-mounted Base



Surface-mounted Base



Pendant-mounted Base



Wall-mounted Base



Narrow Beam Light Engine



Track-mounted  
EN-TLO010-01



Surface-mounted  
EN-TLO010-02



Pendent  
EN-TLO010-03



Wall-mounted  
EN-TLO010-04



## Standard

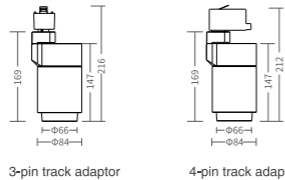
OVEGA(EN-TLO series, standard version) is a stylish and compact LED track light that will fit smoothly into any retail, gallery environments. The front snoot can bring a good light comfort. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.



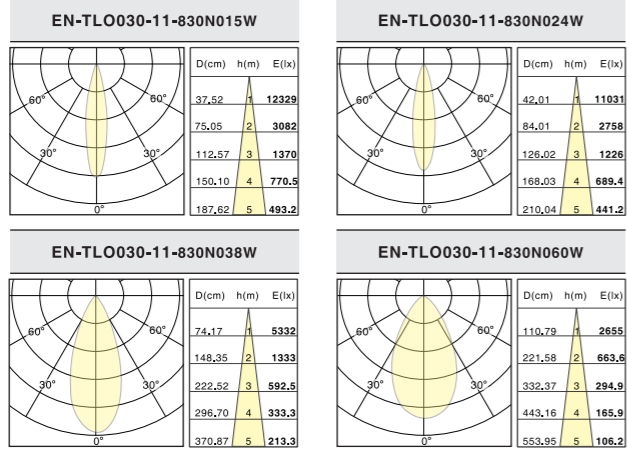
### MAIN FEATURES

- Stylish and compact design with integrated driver.
- Excellent modular combination concept: integrated driver+ different fixture bases, DIY to get different light solutions and easy for maintenance.
- Light efficiency is up to 95lm/W.
- Interchangeable lens: 15°, 24°, 40°, 60°.
- Privately-designed joints can hold the lights at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.

EN-TLO020-11  
EN-TLO025-11  
EN-TLO030-11



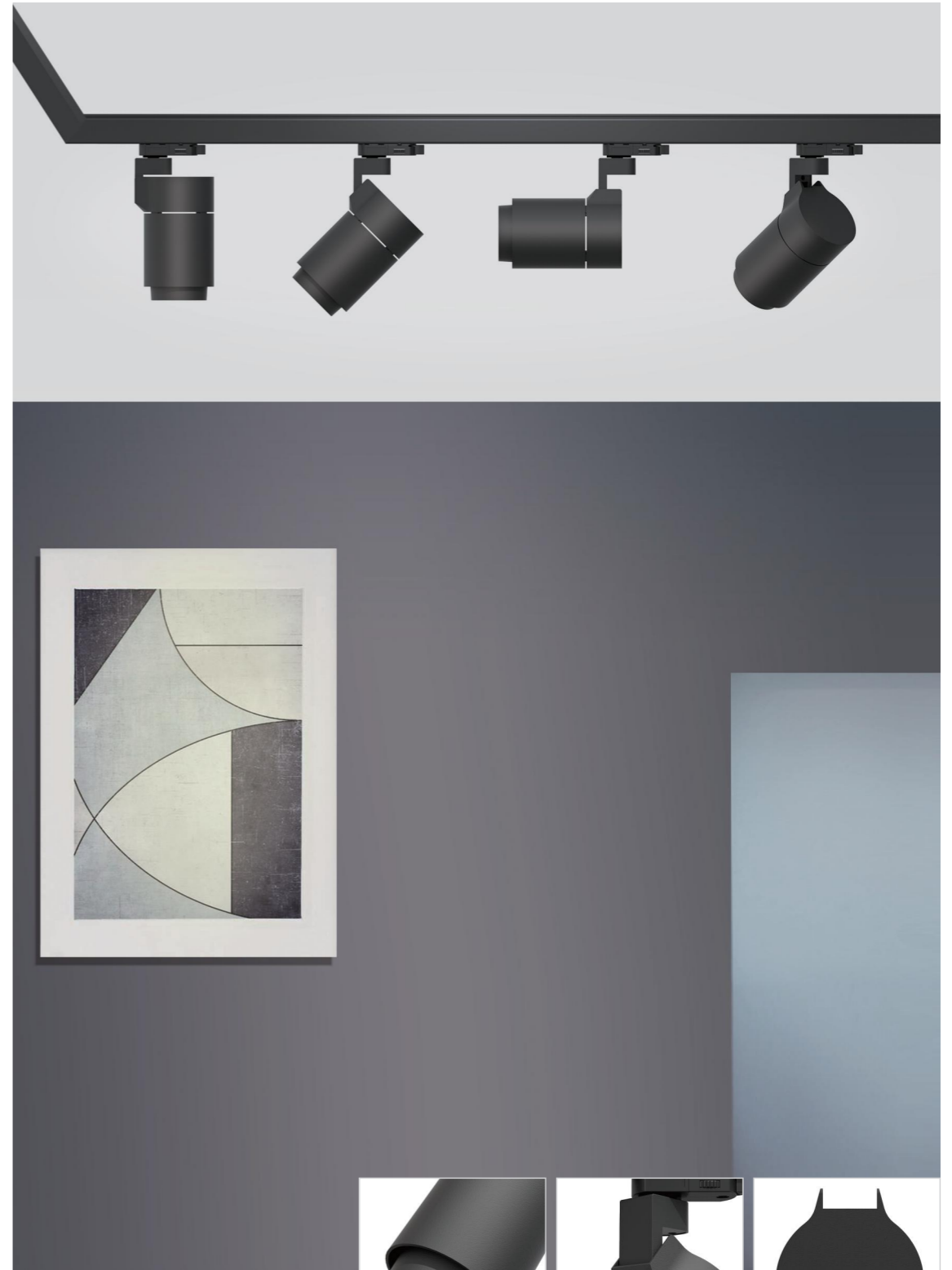
3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-11-830N015W	20 W	520mA	2053 lm	80+	3000K	15°
EN-TLO020-11-840N015W	20 W	520mA	2208 lm	80+	4000K	15°
EN-TLO020-11-830N024W	20 W	520mA	2152 lm	80+	3000K	24°
EN-TLO020-11-840N024W	20 W	520mA	2314 lm	80+	4000K	24°
EN-TLO020-11-830N038W	20 W	520mA	2134 lm	80+	3000K	38°
EN-TLO020-11-840N038W	20 W	520mA	2295 lm	80+	4000K	38°
EN-TLO020-11-830N060W	20 W	520mA	2009 lm	80+	3000K	60°
EN-TLO020-11-840N060W	20 W	520mA	2160 lm	80+	4000K	60°

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO025-11-830N015W	25 W	600mA	2143 lm	80+	3000K	15°
EN-TLO025-11-840N015W	25 W	600mA	2304 lm	80+	4000K	15°
EN-TLO025-11-830N024W	25 W	600mA	2250 lm	80+	3000K	24°
EN-TLO025-11-840N024W	25 W	600mA	2419 lm	80+	4000K	24°
EN-TLO025-11-830N038W	25 W	600mA	2240 lm	80+	3000K	38°
EN-TLO025-11-840N038W	25 W	600mA	2408 lm	80+	4000K	38°
EN-TLO025-11-830N060W	25 W	600mA	2162 lm	80+	3000K	60°
EN-TLO025-11-840N060W	25 W	600mA	2325 lm	80+	4000K	60°

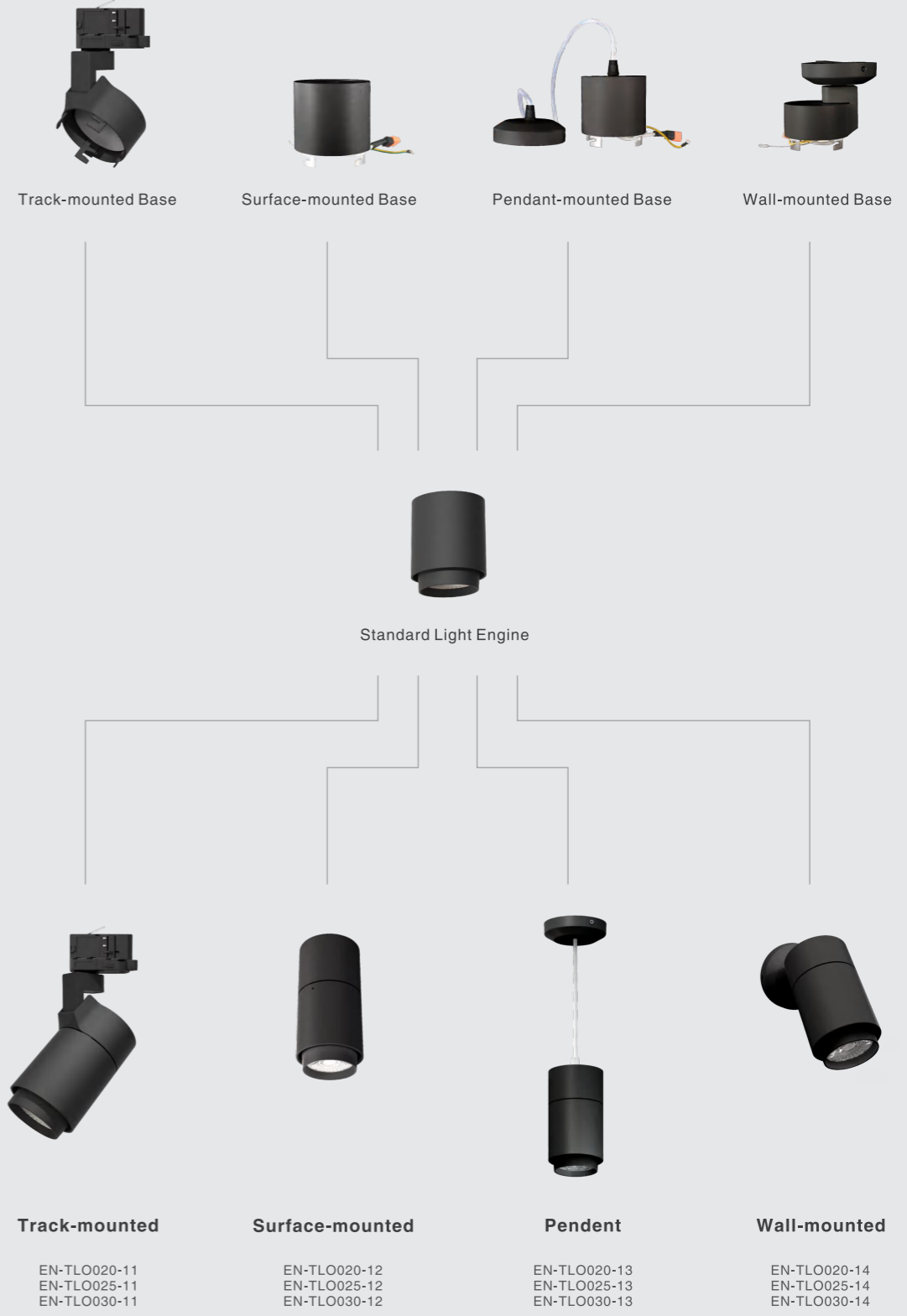
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO030-11-830N015W	30 W	730mA	2696 lm	80+	3000K	15°
EN-TLO030-11-840N015W	30 W	730mA	2899 lm	80+	4000K	15°
EN-TLO030-11-830N024W	30 W	730mA	2841 lm	80+	3000K	24°
EN-TLO030-11-840N024W	30 W	730mA	3055 lm	80+	4000K	24°
EN-TLO030-11-830N038W	30 W	730mA	2873 lm	80+	3000K	38°
EN-TLO030-11-840N038W	30 W	730mA	3089 lm	80+	4000K	38°
EN-TLO030-11-830N060W	30 W	730mA	2741 lm	80+	3000K	60°
EN-TLO030-11-840N060W	30 W	730mA	2948 lm	80+	4000K	60°



Eye comfortable design      Very reliable joint      Cat outline



Excellent Modular Combination Concept





## Premium

OVEGA(EN-TLO series, premium version) is a stylish and compact LED track light that will fit smoothly into any retail, gallery environments. High lumen efficiency(>110lm/W) & versatile optical accessories can increase the great light comfort and fulfill different light demands. The head can be adjusted precisely 360°+ horizontal(rotation) and 90° vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.



### MAIN FEATURES

- Stylish and compact design with integrated driver.
- Excellent modular combination concept: integrated driver + different fixture bases + optical accessories, DIY to get different light solutions and easy for maintenance.
- Light efficiency is up to 110lm/W.
- Interchangeable lens: 15°, 18°, 24°, 38°, 60°.
- Can be dressed in 6 kinds of optical accessories to enhance the visual quality, reduce glare and cut off the light.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.

### Accessories





### Premium-small

(10W, 15W)

### Premium

(20W, 25W, 30W)

#### Optical Accessories



Honeycomb Filter

Cross Louver

Barn Door

#### Optical Accessories



Barn Door

Wall Wash Ring

Honeycomb Filter

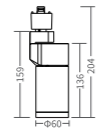
Eye Snoot

Cross Louver

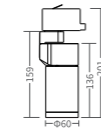
Snoot



EN-TLO010-21  
EN-TLO015-21



3-pin track adaptor

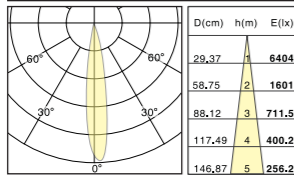


4-pin track adaptor

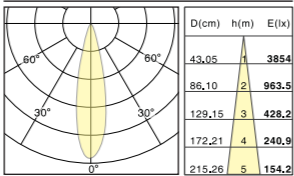


3000K

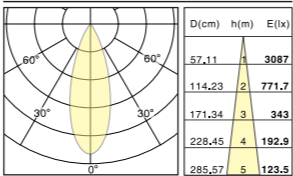
EN-TLO010-21-830N012W



EN-TLO010-21-830N024W



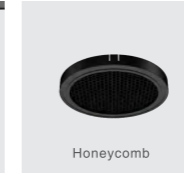
EN-TLO010-21-830N036W



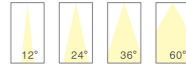
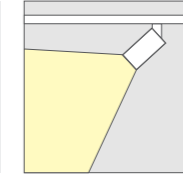
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO010-21-830N012W	10 W	250mA	964 lm	80+	3000K	12°
EN-TLO010-21-840N012W	10 W	250mA	1025 lm	80+	4000K	12°
EN-TLO010-21-830N024W	10 W	250mA	962 lm	80+	3000K	24°
EN-TLO010-21-840N024W	10 W	250mA	1023 lm	80+	4000K	24°
EN-TLO010-21-830N036W	10 W	250mA	1063 lm	80+	3000K	36°
EN-TLO010-21-840N036W	10 W	250mA	1130 lm	80+	4000K	36°
EN-TLO010-21-830N060W	10 W	250mA	976 lm	80+	3000K	60°
EN-TLO010-21-840N060W	10 W	250mA	1038 lm	80+	4000K	60°

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO015-21-830N012W	15 W	350mA	1421 lm	80+	3000K	12°
EN-TLO015-21-840N012W	15 W	350mA	1465 lm	80+	4000K	12°
EN-TLO015-21-830N024W	15 W	350mA	1385 lm	80+	3000K	24°
EN-TLO015-21-840N024W	15 W	350mA	1473 lm	80+	4000K	24°
EN-TLO015-21-830N036W	15 W	350mA	1396 lm	80+	3000K	36°
EN-TLO015-21-840N036W	15 W	350mA	1486 lm	80+	4000K	36°
EN-TLO015-21-830N060W	15 W	350mA	1465 lm	80+	3000K	60°
EN-TLO015-21-840N060W	15 W	350mA	1559 lm	80+	4000K	60°

EN-TLO015-21

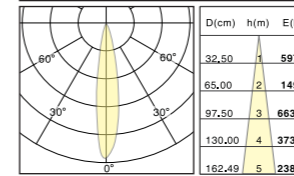


Honeycomb

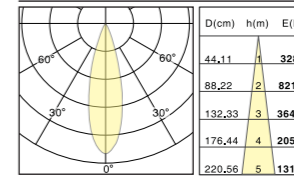


3000K

EN-TLO015-21-830N012W

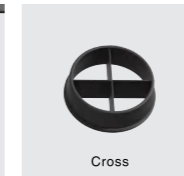


EN-TLO015-21-830N036W

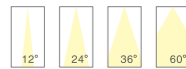
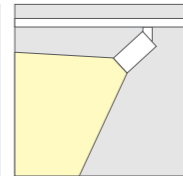


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO015-21-830N012W	15 W	250mA	861 lm	80+	3000K	12°
EN-TLO015-21-840N012W	15 W	250mA	887 lm	80+	4000K	12°
EN-TLO015-21-830N024W	15 W	250mA	855 lm	80+	3000K	24°
EN-TLO015-21-840N024W	15 W	250mA	881 lm	80+	4000K	24°
EN-TLO015-21-830N036W	15 W	250mA	835 lm	80+	3000K	36°
EN-TLO015-21-840N036W	15 W	250mA	861 lm	80+	4000K	36°
EN-TLO015-21-830N060W	15 W	250mA	661 lm	80+	3000K	60°
EN-TLO015-21-840N060W	15 W	250mA	681 lm	80+	4000K	60°

EN-TLO015-21

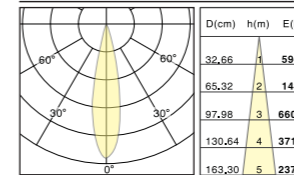


Cross

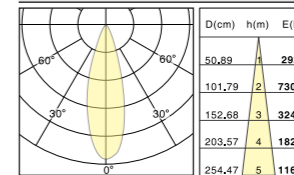


3000K

EN-TLO015-21-830N012W

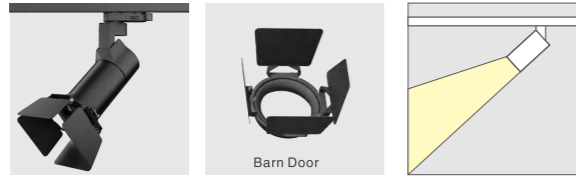


EN-TLO015-21-830N036W

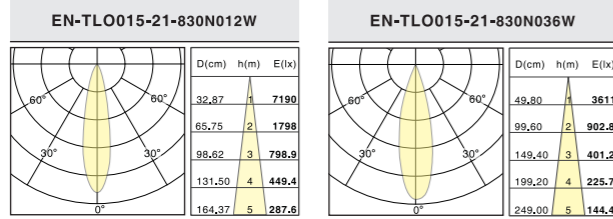


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO015-21-830N012W	15 W	250mA	906 lm	80+	3000K	12°
EN-TLO015-21-840N012W	15 W	250mA	934 lm	80+	4000K	12°
EN-TLO015-21-830N024W	15 W	250mA	917 lm	80+	3000K	24°
EN-TLO015-21-840N024W	15 W	250mA	945 lm	80+	4000K	24°
EN-TLO015-21-830N036W	15 W	250mA	917 lm	80+	3000K	36°
EN-TLO015-21-840N036W	15 W	250mA	946 lm	80+	4000K	36°
EN-TLO015-21-830N060W	15 W	250mA	930 lm	80+	3000K	60°
EN-TLO015-21-840N060W	15 W	250mA	959 lm	80+	4000K	60°

EN-TLO015-21

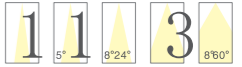
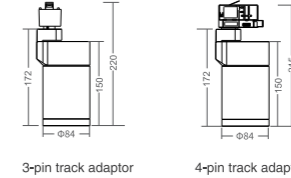


3000K

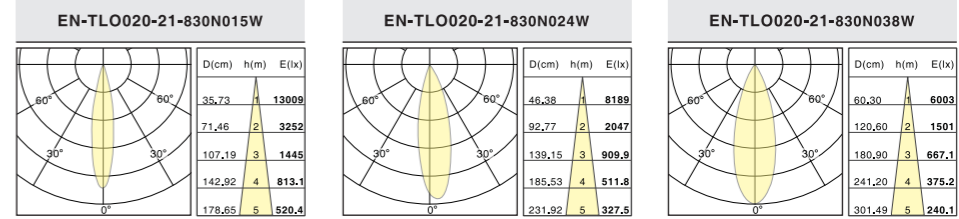


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO015-21-830N012W	15 W	250mA	1140 lm	80+	3000K	12°
EN-TLO015-21-840N012W	15 W	250mA	1175 lm	80+	4000K	12°
EN-TLO015-21-830N024W	15 W	250mA	1098 lm	80+	3000K	24°
EN-TLO015-21-840N024W	15 W	250mA	1132 lm	80+	4000K	24°
EN-TLO015-21-830N036W	15 W	250mA	923 lm	80+	3000K	36°
EN-TLO015-21-840N036W	15 W	250mA	951 lm	80+	4000K	36°
EN-TLO015-21-830N060W	15 W	250mA	942 lm	80+	3000K	60°
EN-TLO015-21-840N060W	15 W	250mA	971 lm	80+	4000K	60°

EN-TLO020-21  
EN-TLO025-21  
EN-TLO030-21



3000K

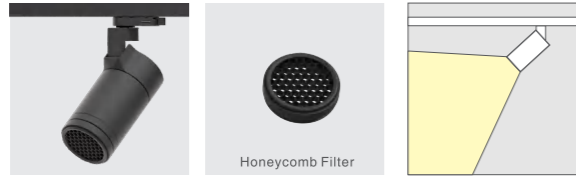


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	2417 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	2517 lm	80+	4000K	15°
EN-TLO020-21-830N018W	20 W	520mA	2391 lm	80+	3000K	18°
EN-TLO020-21-840N018W	20 W	520mA	2490 lm	80+	4000K	18°
EN-TLO020-21-830N024W	20 W	520mA	2371 lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	2470 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	2522 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	2627 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	2301 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	2397 lm	80+	4000K	60°

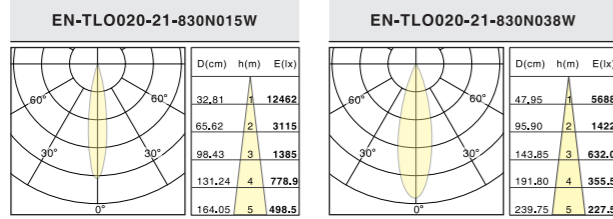
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO025-21-830N015W	25 W	600mA	2747 lm	80+	3000K	15°
EN-TLO025-21-840N015W	25 W	600mA	2862 lm	80+	4000K	15°
EN-TLO025-21-830N018W	25 W	600mA	2748 lm	80+	3000K	18°
EN-TLO025-21-840N018W	25 W	600mA	2862 lm	80+	4000K	18°
EN-TLO025-21-830N024W	25 W	600mA	2796 lm	80+	3000K	24°
EN-TLO025-21-840N024W	25 W	600mA	2912 lm	80+	4000K	24°
EN-TLO025-21-830N038W	25 W	600mA	2884 lm	80+	3000K	38°
EN-TLO025-21-840N038W	25 W	600mA	3004 lm	80+	4000K	38°
EN-TLO025-21-830N060W	25 W	600mA	2772 lm	80+	3000K	60°
EN-TLO025-21-840N060W	25 W	600mA	2887 lm	80+	4000K	60°

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO030-21-830N015W	30 W	730mA	3137 lm	80+	3000K	15°
EN-TLO030-21-840N015W	30 W	730mA	3268 lm	80+	4000K	15°
EN-TLO030-21-830N018W	30 W	730mA	3118 lm	80+	3000K	18°
EN-TLO030-21-840N018W	30 W	730mA	3248 lm	80+	4000K	18°
EN-TLO030-21-830N024W	30 W	730mA	3079 lm	80+	3000K	24°
EN-TLO030-21-840N024W	30 W	730mA	3208 lm	80+	4000K	24°
EN-TLO030-21-830N038W	30 W	730mA	3226 lm	80+	3000K	38°
EN-TLO030-21-840N038W	30 W	730mA	3361 lm	80+	4000K	38°
EN-TLO030-21-830N060W	30 W	730mA	3246 lm	80+	3000K	60°
EN-TLO030-21-840N060W	30 W	730mA	3381 lm	80+	4000K	60°

EN-TLO020-21

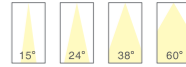


3000K

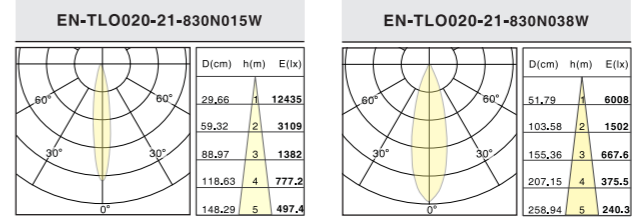


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	1677 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	1747 lm	80+	4000K	15°
EN-TLO020-21-830N024W	20 W	520mA	1540lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	1604 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	1489 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	1551 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	1162 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	1210 lm	80+	4000K	60°

EN-TLO020-21

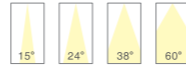
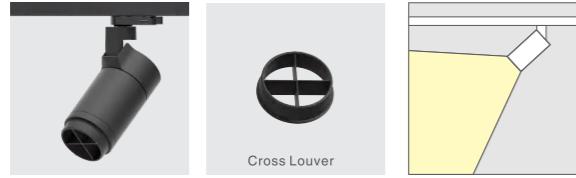


3000K

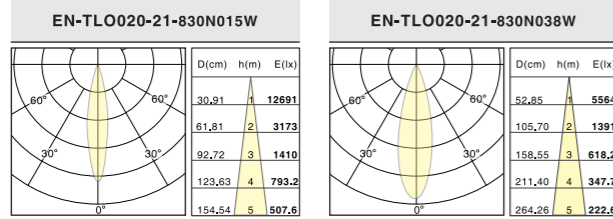


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	2128 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	2217 lm	80+	4000K	15°
EN-TLO020-21-830N024W	20 W	520mA	1993 lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	2076 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	2137 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	2226 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	2125 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	2213 lm	80+	4000K	60°

EN-TLO020-21

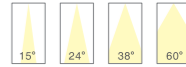


3000K

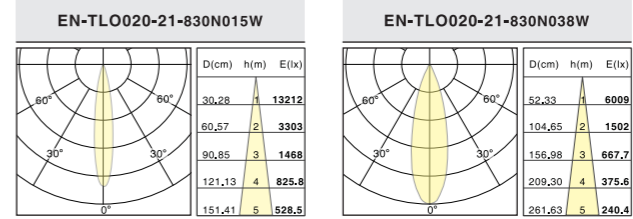


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	1823 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	1899 lm	80+	4000K	15°
EN-TLO020-21-830N024W	20 W	520mA	1717 lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	1789 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	1744 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	1817 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	1701 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	1772 lm	80+	4000K	60°

EN-TLO020-21



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	2162 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	2253 lm	80+	4000K	15°
EN-TLO020-21-830N024W	20 W	520mA	2116 lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	2204 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	2115 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	2203 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	1574 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	1640 lm	80+	4000K	60°

EN-TLO020-21

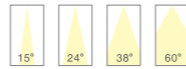
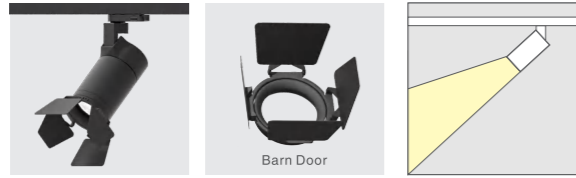


3000K

EN-TLO020-21-830N015W			EN-TLO020-21-830N038W		
D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)
33,31	1	13239	56,38	2	6039
66,61	2	3310	112,76	2	1510
99,92	3	1471	169,13	3	671,0
133,22	4	827,5	225,51	4	377,4
166,53	5	529,6	281,89	5	241,6

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	2320 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	2416 lm	80+	4000K	15°
EN-TLO020-21-830N024W	20 W	520mA	1958 lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	2039 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	2309 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	2405 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	2015 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	2099 lm	80+	4000K	60°

EN-TLO020-21



3000K

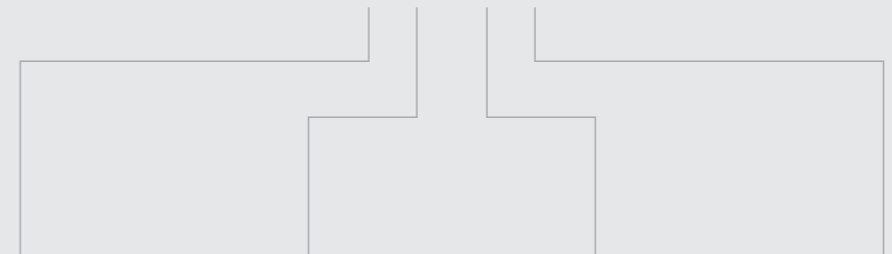
EN-TLO020-21-830N015W			EN-TLO020-21-830N038W		
D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)
26,87	1	10719	45,17	1	5588
53,73	2	2680	90,35	2	1397
80,60	3	1191	135,52	3	620,9
107,47	4	669,8	180,69	4	349,2
134,33	5	428,8	225,87	5	223,5

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-21-830N015W	20 W	520mA	1872 lm	80+	3000K	15°
EN-TLO020-21-840N015W	20 W	520mA	1950 lm	80+	4000K	15°
EN-TLO020-21-830N024W	20 W	520mA	1824 lm	80+	3000K	24°
EN-TLO020-21-840N024W	20 W	520mA	1900 lm	80+	4000K	24°
EN-TLO020-21-830N038W	20 W	520mA	1810 lm	80+	3000K	38°
EN-TLO020-21-840N038W	20 W	520mA	1885 lm	80+	4000K	38°
EN-TLO020-21-830N060W	20 W	520mA	1243 lm	80+	3000K	60°
EN-TLO020-21-840N060W	20 W	520mA	1295 lm	80+	4000K	60°

Excellent Modular Combination Concept



Premium Light Engine



Track-mounted      Surface-mounted      Pendant      Wall-mounted

EN-TLO010-21  
EN-TLO015-21  
EN-TLO020-21  
EN-TLO025-21  
EN-TLO030-21

EN-TLO010-22  
EN-TLO015-22  
EN-TLO020-22  
EN-TLO025-22  
EN-TLO030-22

EN-TLO010-23  
EN-TLO015-23  
EN-TLO020-23  
EN-TLO025-23  
EN-TLO030-23

EN-TLO010-24  
EN-TLO015-24  
EN-TLO020-24  
EN-TLO025-24  
EN-TLO030-24



Australia Projects





Zoomable small  
(15°-45°)

Zoomable  
(25°-60°)

## Zoomable

OVEGA(EN-TLO series, Zoomable version) is a stylish and compact LED track light that will fit smoothly into any museum, gallery and retail environments. Featuring an adjustable beam mechanism designed to provide endless beam options from a 25° narrow to a 60° wide flood distribution. The head can be adjusted precisely 360°+ horizontal(rotation) and 90° vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.



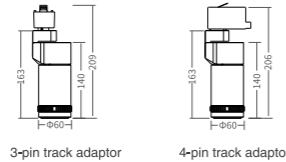
### MAIN FEATURES

- Stylish and compact design with integrated driver.
- Excellent modular combination concept: integrated driver+ different fixture bases, DIY to get different lighting solutions and easy for maintenance.
- Beam angle adjustable mechanism provides endless beam options from a narrow to wide flood distribution by simply rotate the rubber ring.
- Light efficiency is up to 90lm/W.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.

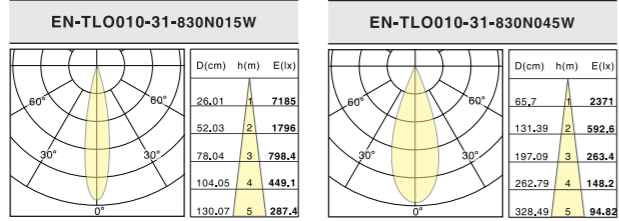
### Accessories



EN-TLO010-31  
EN-TLO015-31



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO010-31-830N015W	10 W	250mA	687 lm	80+	3000K	15°
EN-TLO010-31-840N015W	10 W	250mA	738 lm	80+	4000K	15°
EN-TLO010-31-830N045W	10 W	250mA	916 lm	80+	3000K	45°
EN-TLO010-31-840N045W	10 W	250mA	985 lm	80+	4000K	45°

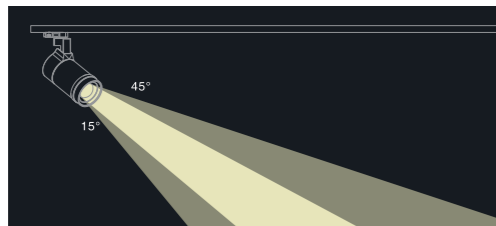
  

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO015-31-830N015W	15 W	350mA	898 lm	80+	3000K	15°
EN-TLO015-31-840N015W	15 W	350mA	967 lm	80+	4000K	15°
EN-TLO015-31-830N045W	15 W	350mA	1191 lm	80+	3000K	45°
EN-TLO015-31-840N045W	15 W	350mA	1280 lm	80+	4000K	45°

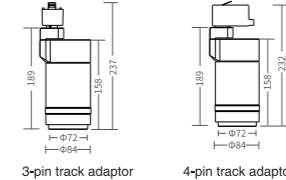


**Lighting Solutions**

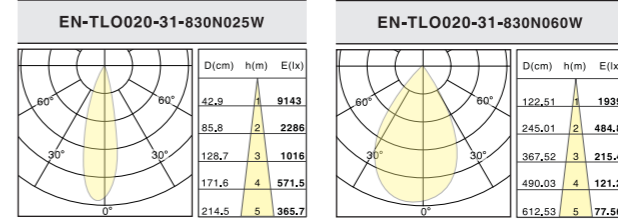
Beam angle adjustable from 15° to 45°



EN-TLO020-31  
EN-TLO025-31  
EN-TLO030-31



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-31-830N025W	20 W	520mA	1895 lm	80+	3000K	25°
EN-TLO020-31-840N025W	20 W	520mA	2037 lm	80+	4000K	25°
EN-TLO020-31-830N060W	20 W	520mA	2072 lm	80+	3000K	60°
EN-TLO020-31-840N060W	20 W	520mA	2227 lm	80+	4000K	60°

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO025-31-830N025W	25 W	600mA	1964 lm	80+	3000K	25°
EN-TLO025-31-840N025W	25 W	600mA	2111 lm	80+	4000K	25°
EN-TLO025-31-830N060W	25 W	600mA	2233 lm	80+	3000K	60°
EN-TLO025-31-840N060W	25 W	600mA	2401 lm	80+	4000K	60°

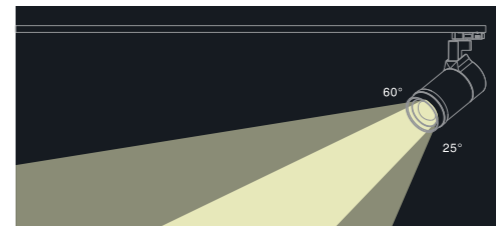
  

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO030-31-830N025W	30 W	730mA	2135 lm	80+	3000K	25°
EN-TLO030-31-840N025W	30 W	730mA	2295 lm	80+	4000K	25°
EN-TLO030-31-830N060W	30 W	730mA	2528 lm	80+	3000K	60°
EN-TLO030-31-840N060W	30 W	730mA	2718 lm	80+	4000K	60°



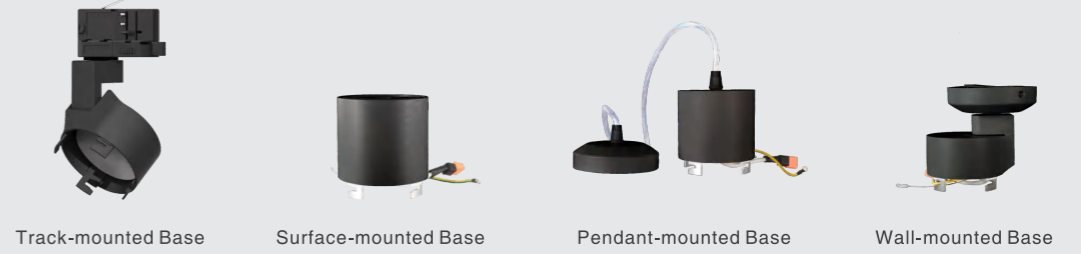
**Lighting Solutions**

Beam angle adjustable from 25° to 60°

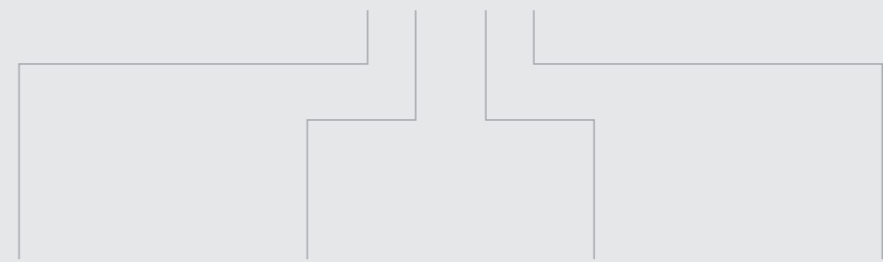




Excellent Modular Combination Concept



Zoomable Light Engine



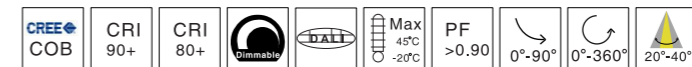
**Track-mounted**      **Surface-mounted**      **Pendant**      **Wall-mounted**

- |              |              |              |              |
|--------------|--------------|--------------|--------------|
| EN-TLO010-31 | EN-TLO010-32 | EN-TLO010-33 | EN-TLO010-34 |
| EN-TLO015-31 | EN-TLO015-32 | EN-TLO015-33 | EN-TLO015-34 |
| EN-TLO020-31 | EN-TLO020-32 | EN-TLO020-33 | EN-TLO020-34 |
| EN-TLO025-31 | EN-TLO025-32 | EN-TLO025-33 | EN-TLO025-34 |
| EN-TLO030-31 | EN-TLO030-32 | EN-TLO030-33 | EN-TLO030-34 |



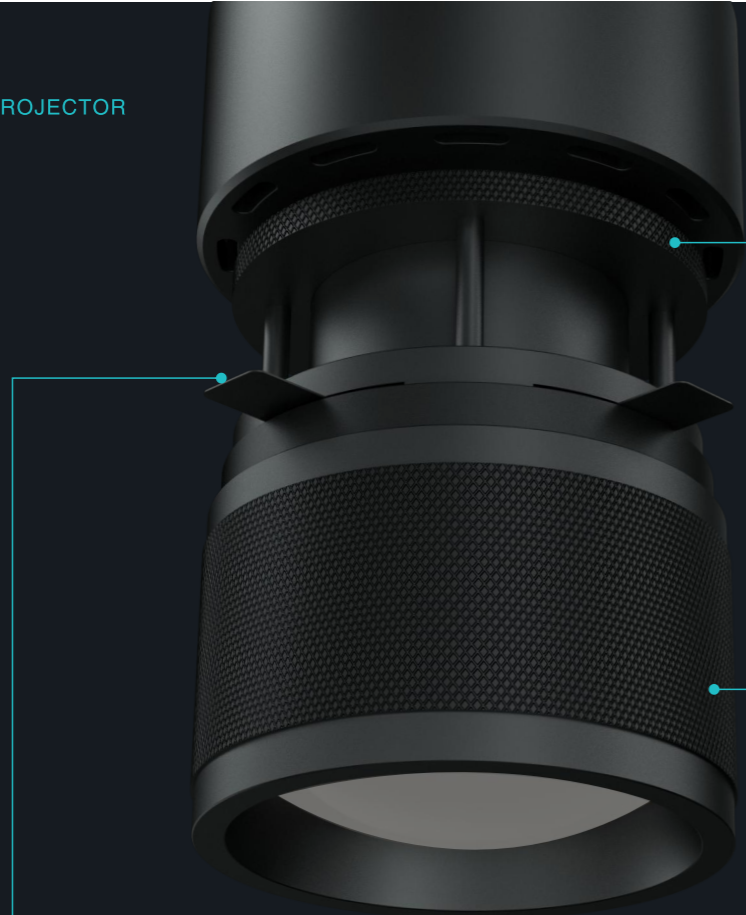
# I Projector

OVEGA(EN-TLO series, projection version) is a stylish and compact LED function track light that will fit smoothly into any high-end museum, gallery environments. Featuring an adjustable beam and framing patterns mechanism designed to provide different sizes of light spot and different light shapes. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.



### MAIN FEATURES

- Stylish and compact design with integrated driver.
- Designed for precise, sharp-focused or soft-focused projection of a light field.
- An adjustable beam(20°-40°) and a set of four framing blades bring sharp-edged or soft edged, high-contrast square & triangle light shape at user's convenience.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.



A

**Clear or Soft Outline**

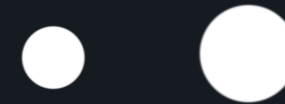
Pulling **the Part A** to change the sharpness of the light outline



B

**Light Beam**

Pulling **the Part B** to change the light size  
Zoomable 20°-40°



C

**Framing Patterns**

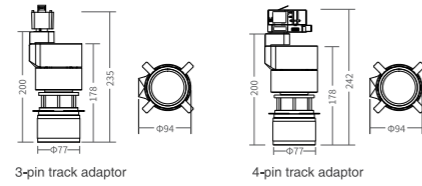
Adjust **the 4 framing blades ( the Part C )** to control the light shape



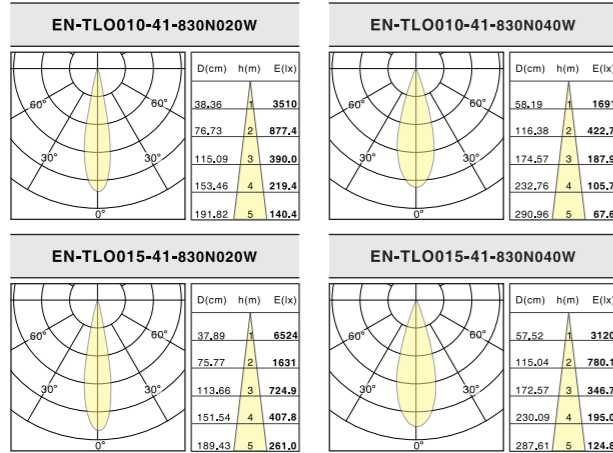
• **OVEGA -Projector**

Offering precise yet gentle accent lighting, the high-performance OVEGA-projector provides for an extraordinary experience at exhibitions. Sharp contrasts and uniform light distribution set exhibits centre-stage perfectly, whilst at the same time minimising the illumination of walls.

EN-TLO010-41  
EN-TLO015-41



3000K

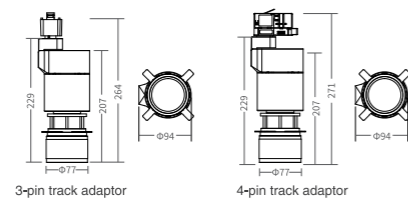


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO010-41-830N020W	10 W	200mA	457 lm	80+	3000K	20°
EN-TLO010-41-840N020W	10 W	200mA	491 lm	80+	4000K	20°
EN-TLO010-41-830N040W	10 W	200mA	466 lm	80+	3000K	40°
EN-TLO010-41-840N040W	10 W	200mA	501 lm	80+	4000K	40°

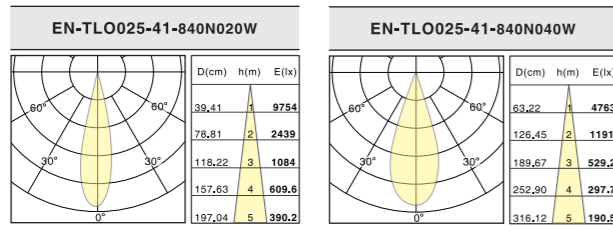
  

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO015-41-830N020W	15 W	350mA	755 lm	80+	3000K	20°
EN-TLO015-41-840N020W	15 W	350mA	812 lm	80+	4000K	20°
EN-TLO015-41-830N040W	15 W	350mA	768 lm	80+	3000K	40°
EN-TLO015-41-840N040W	15 W	350mA	826 lm	80+	4000K	40°

EN-TLO025-41



4000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO025-41-830N020W	25 W	600mA	1341 lm	80+	3000K	20°
EN-TLO025-41-840N020W	25 W	600mA	1427 lm	80+	4000K	20°
EN-TLO025-41-830N040W	25 W	600mA	1396 lm	80+	3000K	40°
EN-TLO025-41-840N040W	25 W	600mA	1486 lm	80+	4000K	40°

Excellent Modular Combination Concept



Track-mounted Base



Wall-mounted Base



Projection Light Engine



Track-mounted

EN-TLO010-41  
EN-TLO015-41  
EN-TLO025-41



Wall-mounted

EN-TLO010-44  
EN-TLO015-44  
EN-TLO025-44



## Wall Washer

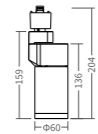
OVEGA(EN-TLO series, wall washer version) is a stylish and compact LED track light that will fit smoothly into any commercial environments where requires vertical illuminance for brightening and dividing the space. It can wash the wall very smoothly and evenly without any shadow. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.



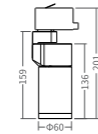
### MAIN FEATURES

- Stylish and compact design with integrated driver.
- Excellent modular combination concept: integrated driver + different fixture bases, DIY to get different light solutions and easy for maintenance.
- Asymmetrical light distribution for highly uniform wallwashing, 25°75°.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.

EN-TLO010-51



3-pin track adaptor

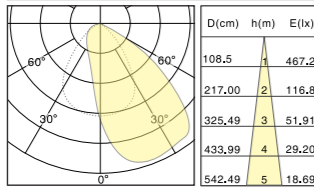


4-pin track adaptor



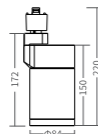
3000K

EN-TLO010-51-830N02x7W

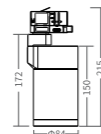


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO010-51-830N02x7W	10 W	250mA	730lm	80+	3000K	25°75°
EN-TLO010-51-840N02x7W	10 W	250mA	785lm	80+	4000K	25°75°
EN-TLO010-51-850N02x7W	10 W	250mA	844lm	80+	5000K	25°75°

EN-TLO020-51



3-pin track adaptor

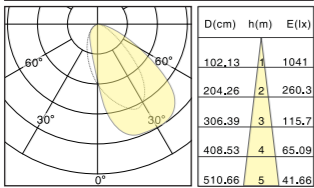


4-pin track adaptor



3000K

EN-TLO020-51-830N02x7B



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO020-51-830N012B	20 W	500mA	1675lm	80+	3000K	25°75°
EN-TLO020-51-840N012B	20 W	500mA	1801lm	80+	4000K	25°75°
EN-TLO020-51-850N012B	20 W	500mA	1936lm	80+	5000K	25°75°

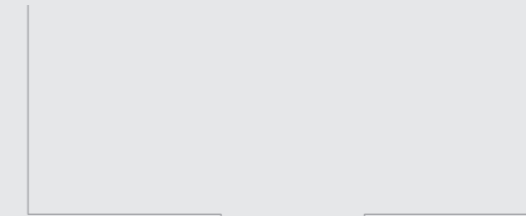
Excellent Modular Combination Concept



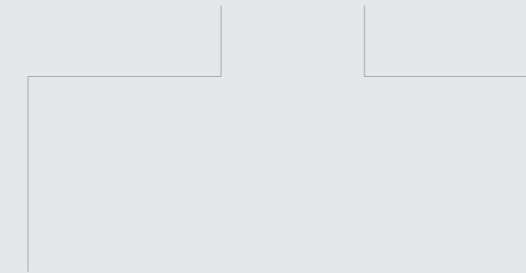
Track-mounted Base



Wall-mounted Base



Wall Washer Light Engine



Track-mounted

EN-TLO010-51  
EN-TLO020-51



Wall-mounted

EN-TLO010-54  
EN-TLO020-54



Accessories



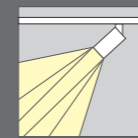
Honeycomb Louver  
+Wall Washer

Wall Washer

# Plus

OVEGA(EN-TLO series, PLUS version) is a upgraded version of OVEGA, except for it's very stylish and attractive design, PLUS also combines spotlights, floodlight and wallwashing in a single luminaire, so it will fit smoothly into any indoor environments where requires different lighting solutions, but want to get a unified impression. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.

OVEGA-Plus Light Solution:

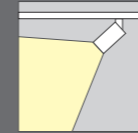


Spotlights

Very narrow to wide beam, rotationally symmetrical light distribution for accent lighting

OVEGA-Plus

30W-35W  
Light distribution: Narrow spot, Spot, Flood

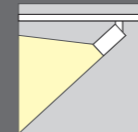


Floodlights

Very wide rotationally symmetrical light distribution for floodlighting

OVEGA-Plus

30W-35W  
Light distribution: Wide flood, line flood, extra wide flood



Wallwashing

Asymmetrical light distribution for highly uniform wall washing

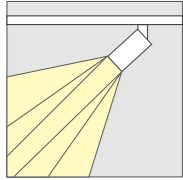
OVEGA-Plus

30W-35W  
Light distribution: Wallwash



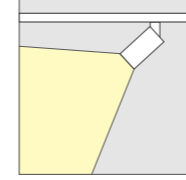
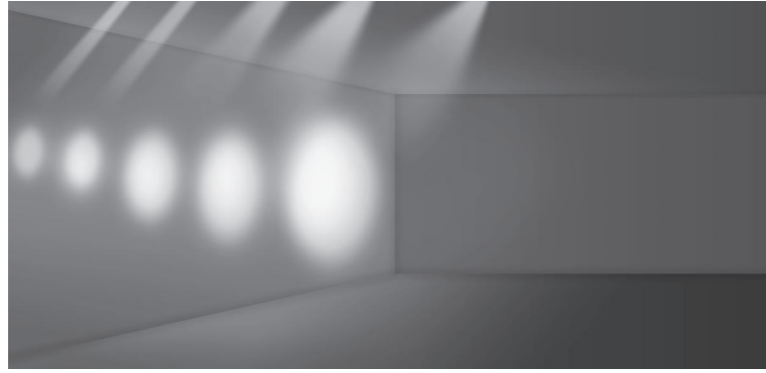
MAIN FEATURES

- Stylish and attractive design thanks to the beautiful combination of round and square.
- Excellent modular combination concept: integrated driver + different fixture bases, DIY to get different light solutions and easy for maintenance.
- Combines spotlights, floodlight and wallwashing in a single luminaire.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- Use OVEGA family to get a unified impression in one environment.



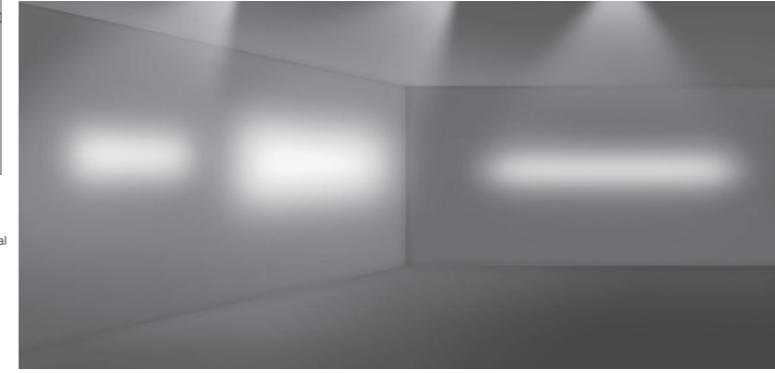
**Spotlights**

Very narrow to wide beam, rotationally symmetrical light distribution for accent lighting

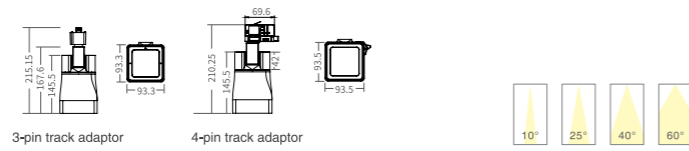


**Floodlights**

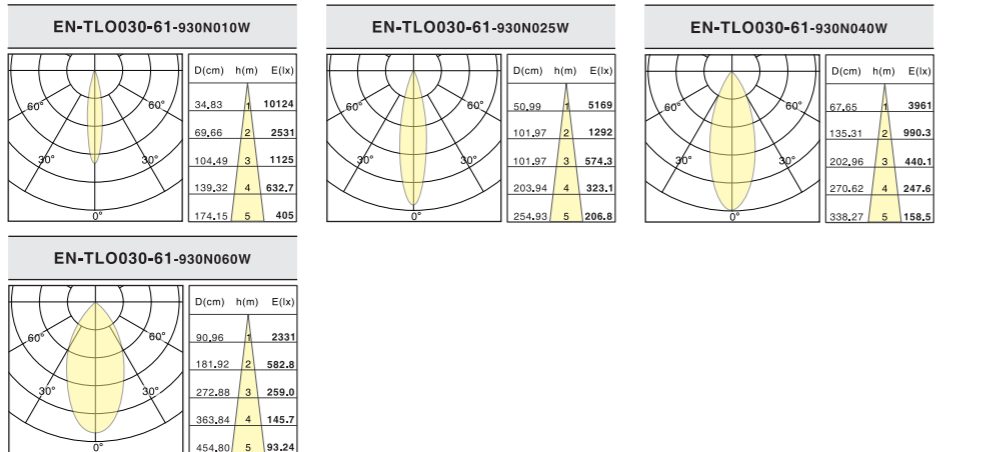
Very wide rotationally symmetrical light distribution for floodlighting



EN-TLO030-61  
EN-TLO035-61

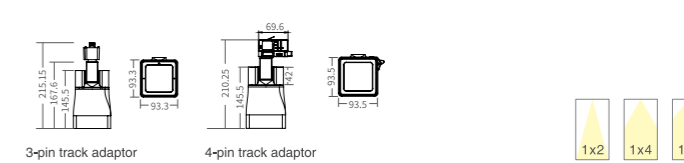


3000K

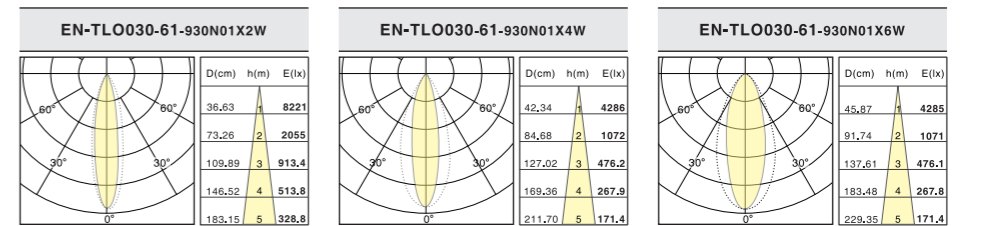


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO030-61-930N010W	30W	700mA	2340 lm	90+	3000K	10°
EN-TLO030-61-940N010W	30W	700mA	2479 lm	90+	4000K	10°
EN-TLO030-61-930N025W	30W	700mA	2181 lm	90+	3000K	25°
EN-TLO030-61-940N025W	30W	700mA	2309 lm	90+	4000K	25°
EN-TLO030-61-930N040W	30W	700mA	2299 lm	90+	3000K	40°
EN-TLO030-61-940N040W	30W	700mA	2435 lm	90+	4000K	40°
EN-TLO030-61-930N060W	30W	700mA	2102 lm	90+	3000K	60°
EN-TLO030-61-940N060W	30W	700mA	2226 lm	90+	4000K	60°
EN-TLO035-61-930N010W	35W	900mA	2731 lm	90+	3000K	10°
EN-TLO035-61-940N010W	35W	900mA	2892 lm	90+	4000K	10°
EN-TLO035-61-930N025W	35W	900mA	2544 lm	90+	3000K	25°
EN-TLO035-61-940N025W	35W	900mA	2693 lm	90+	4000K	25°
EN-TLO035-61-930N040W	35W	900mA	2683 lm	90+	3000K	40°
EN-TLO035-61-940N040W	35W	900mA	2840 lm	90+	4000K	40°
EN-TLO035-61-930N060W	35W	900mA	2452 lm	90+	3000K	60°
EN-TLO035-61-940N060W	35W	900mA	2597 lm	90+	4000K	60°

EN-TLO030-61  
EN-TLO035-61



3000K

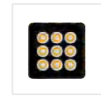


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO030-61-930N01x2W	30W	700mA	2377 lm	90+	3000K	10x25°
EN-TLO030-61-940N01x2W	30W	700mA	2517 lm	90+	4000K	10x25°
EN-TLO030-61-930N01x4W	30W	700mA	2117 lm	90+	3000K	15x45°
EN-TLO030-61-940N01x4W	30W	700mA	2242 lm	90+	4000K	15x45°
EN-TLO030-61-930N01x6W	30W	700mA	2329 lm	90+	3000K	15x60°
EN-TLO030-61-940N01x6W	30W	700mA	2465 lm	90+	4000K	15x60°
EN-TLO035-61-930N01x2W	35W	900mA	2773 lm	90+	3000K	10x25°
EN-TLO035-61-940N01x2W	35W	900mA	2936 lm	90+	4000K	10x25°
EN-TLO035-61-930N01x4W	35W	900mA	2470 lm	90+	3000K	15x45°
EN-TLO035-61-940N01x4W	35W	900mA	2615 lm	90+	4000K	15x45°
EN-TLO035-61-930N01x6W	35W	900mA	2717 lm	90+	3000K	15x60°
EN-TLO035-61-940N01x6W	35W	900mA	2875 lm	90+	4000K	15x60°

**Magic 10°**

“10°lens + 5 different Filter” get 5 different light shapes.

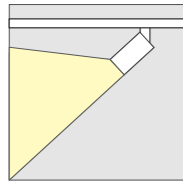
EN-TLO030-61  
EN-TLO035-61



10°lens

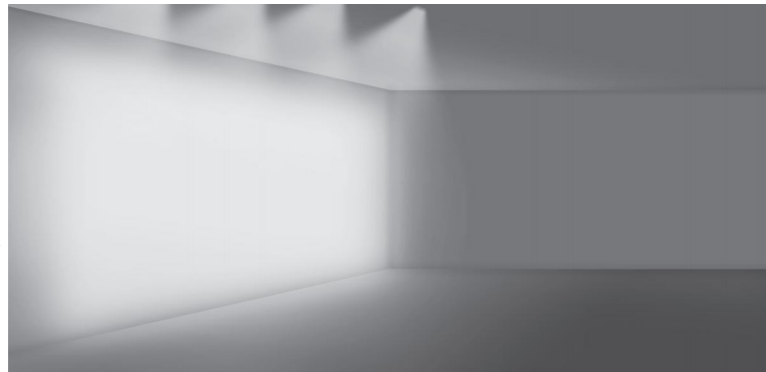


Filter



**Wallwashing**

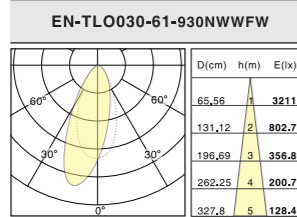
10° beam lens + wall washing filter  
Asymmetrical light distribution for highly uniform wall washing.



3000K



10°lens + EN-TLOAC14 Wall Washer Filter

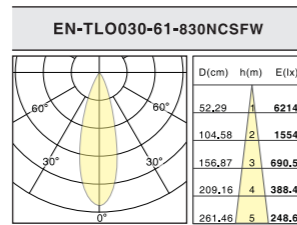


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLO030-61-930NWWFW	30 W	700mA	2448 lm	90+	3000K	10°
EN-TLO030-61-930NWWFW	30 W	700mA	2592 lm	90+	4000K	10°
EN-TLO035-61-930NWWFW	35 W	900mA	2856 lm	90+	3000K	10°
EN-TLO035-61-930NWWFW	35 W	900mA	3024 lm	90+	4000K	10°

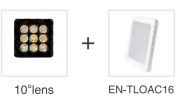
**Circular Small**



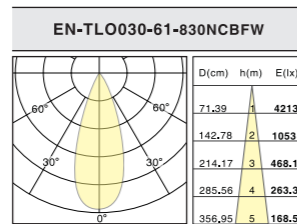
10°lens + EN-TLOAC15 Circular Small Filter



**Circular Big**



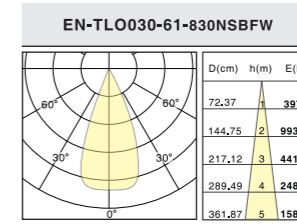
10°lens + EN-TLOAC16 Circular Big Filter



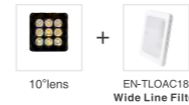
**Square Big**



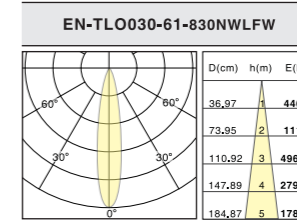
10°lens + EN-TLOAC17 Square Big Filter



**Wide Line**



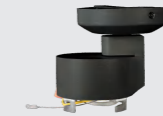
10°lens + EN-TLOAC18 Wide Line Filter



**Excellent Modular Combination Concept**



Track-mounted Base



Wall-mounted Base



Plus Light Engine



Track-mounted

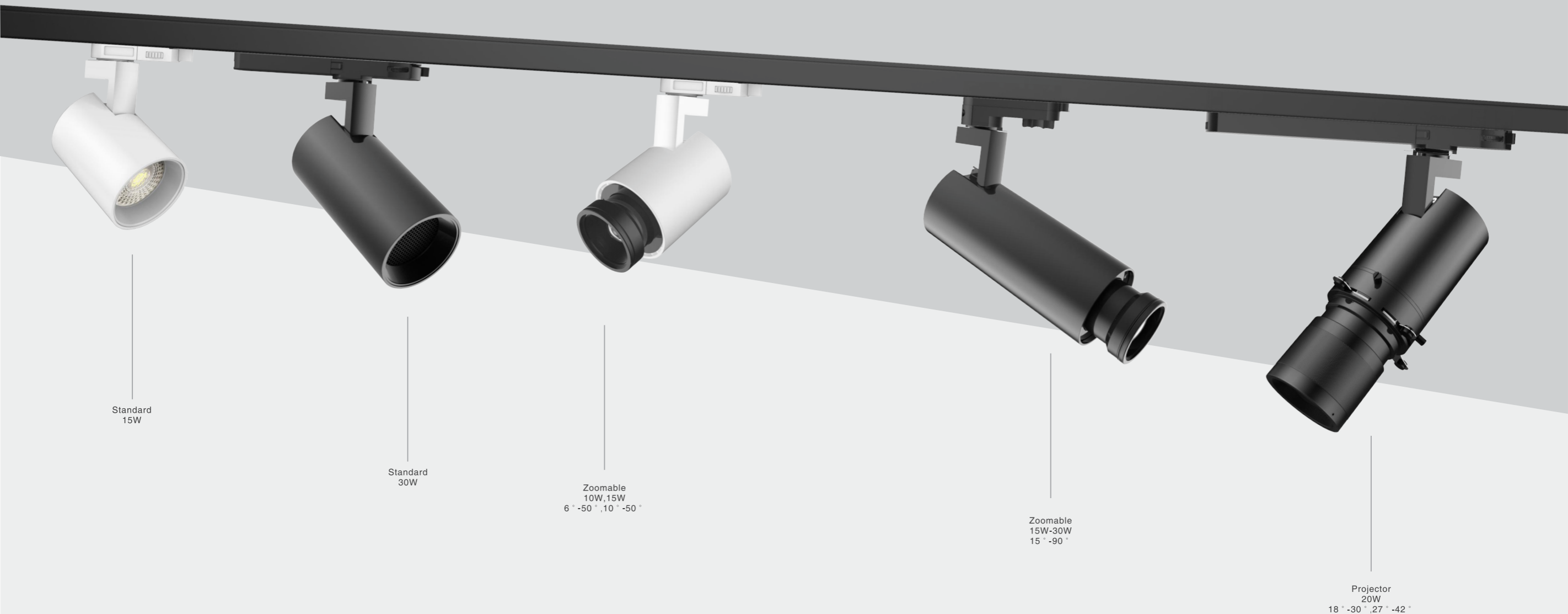
EN-TLO030-61  
EN-TLO035-61



Wall-mounted

EN-TLO030-64  
EN-TLO035-64





Standard  
15W

Standard  
30W

Zoomable  
10W,15W  
6° -50°, 10° -50°

Zoomable  
15W-30W  
15° -90°

Projector  
20W  
18° -30°, 27° -42°

# IMAX

**ONE SOLUTION for many beam angle challenges.** IMAX family Track Lights provide first-class options for architects, lighting designer who want superior flexibility in an LED accent lighting system.

In versions with different light solutions, IMAX covers high performance accent lighting with different interchangeable beam lens, beam angle adjusting from narrow to wide, and contour projection.

Attracted by it's slim and clean design, IMAX is a complete family with full lighting solutions. If you have an environment ask for different lighting solution, I-MAX will be the best choice to get a unified impression.

## Overview

<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	Fixed lens 15°, 24°, 38°, 60° Zoomable 6°-50°, 10°-50°, 15°-70°, 15° -90° Projection (18°-30° & 27°-42°+framing patterns)
<b>Watt:</b>	10W - 30W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	579lm-3035lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



### Standard-small

(15W)

#### Optical Accessories



Honeycomb Filter

Cross Louver



### Standard

(20W)



### Standard

(30W)



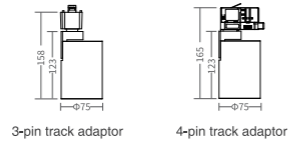
#### MAIN FEATURES

- Slim and clean design with adaptor driver.
- Light efficiency is up to 100lm/W.
- Interchangeable lens: 15°, 24°, 38°, 60°.
- Can be dressed in honeycomb filter and cross louve to enhance the visual quality, reduce glare.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.

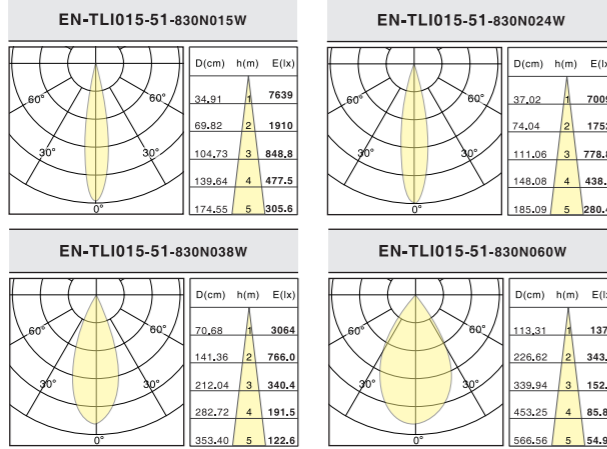
## IMAX- Standard

IMAX (EN-TLI series, standard version) is a slim and clean LED track light that will fit smoothly into any retail and gallery environments. High lumen efficiency(>100lm/W) & versatile optical accessories can increase the great light comfort and fulfill different light demands. The head can be adjusted precisely 360°+ horizontal(rotation) without dead angle and 90°vertical. The light, as a result, is emitted exactly where you need it.

EN-TLI015-51

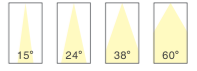
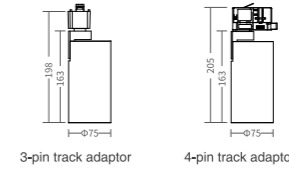


3000K

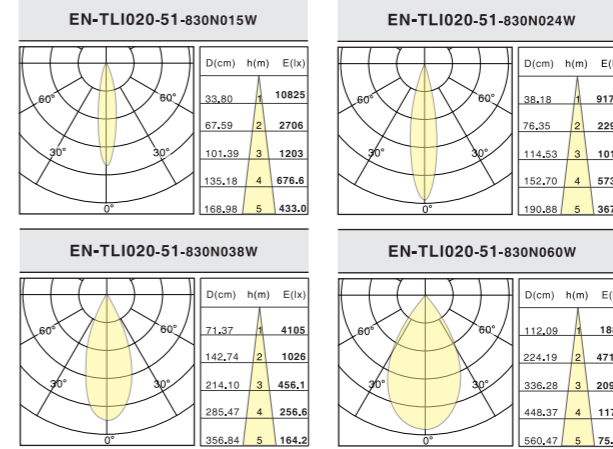


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI015-51-830N015W	15 W	350mA	1418 lm	80+	3000K	15°
EN-TLI015-51-840N015W	15 W	350mA	1524 lm	80+	4000K	15°
EN-TLI015-51-830N024W	15 W	350mA	1514 lm	80+	3000K	24°
EN-TLI015-51-840N024W	15 W	350mA	1628 lm	80+	4000K	24°
EN-TLI015-51-830N038W	15 W	350mA	1532 lm	80+	3000K	38°
EN-TLI015-51-840N038W	15 W	350mA	1648 lm	80+	4000K	38°
EN-TLI015-51-830N060W	15 W	350mA	1371 lm	80+	3000K	60°
EN-TLI015-51-840N060W	15 W	350mA	1474 lm	80+	4000K	60°

EN-TLI020-51



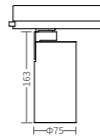
3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI020-51-830N015W	20 W	500mA	1940 lm	80+	3000K	15°
EN-TLI020-51-840N015W	20 W	500mA	2086 lm	80+	4000K	15°
EN-TLI020-51-830N024W	20 W	500mA	2069 lm	80+	3000K	24°
EN-TLI020-51-840N024W	20 W	500mA	2225 lm	80+	4000K	24°
EN-TLI020-51-830N038W	20 W	500mA	2076 lm	80+	3000K	38°
EN-TLI020-51-840N038W	20 W	500mA	2232 lm	80+	4000K	38°
EN-TLI020-51-830N060W	20 W	500mA	1855 lm	80+	3000K	60°
EN-TLI020-51-840N060W	20 W	500mA	1994 lm	80+	4000K	60°



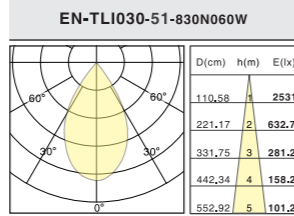
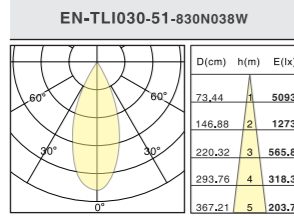
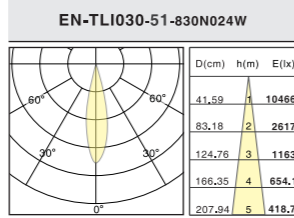
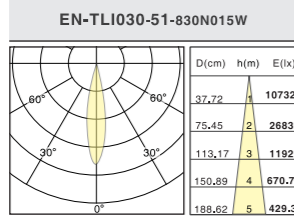
EN-TLI030-51



3-pin track adaptor/4-pin track adaptor

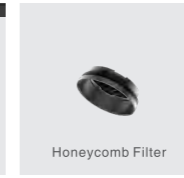


3000K

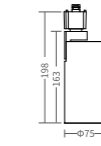


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI030-51-830N015W	30 W	700mA	2488 lm	80+	3000K	15°
EN-TLI030-51-840N015W	30 W	700mA	2675 lm	80+	4000K	15°
EN-TLI030-51-830N024W	30 W	700mA	2701 lm	80+	3000K	24°
EN-TLI030-51-840N024W	30 W	700mA	2905 lm	80+	4000K	24°
EN-TLI030-51-830N038W	30 W	700mA	2720 lm	80+	3000K	38°
EN-TLI030-51-840N038W	30 W	700mA	2925 lm	80+	4000K	38°
EN-TLI030-51-830N060W	30 W	700mA	2438 lm	80+	3000K	60°
EN-TLI030-51-840N060W	30 W	700mA	2621 lm	80+	4000K	60°

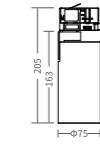
EN-TLI020-51



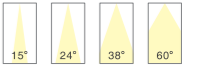
Honeycomb Filter



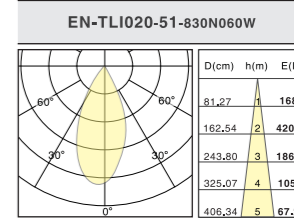
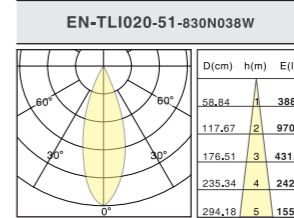
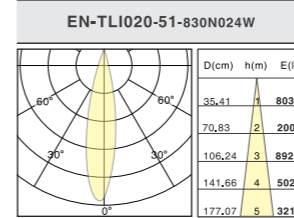
3-pin track adaptor



4-pin track adaptor

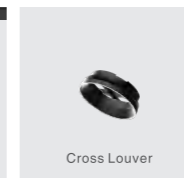


3000K

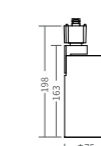


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI020-830N015W	20 W	500mA	1337 lm	80+	3000K	15°
EN-TLI020-840N015W	20 W	500mA	1438 lm	80+	4000K	15°
EN-TLI020-830N024W	20 W	500mA	1421 lm	80+	3000K	24°
EN-TLI020-840N024W	20 W	500mA	1528 lm	80+	4000K	24°
EN-TLI020-830N038W	20 W	500mA	1371 lm	80+	3000K	38°
EN-TLI020-840N038W	20 W	500mA	1474 lm	80+	4000K	38°
EN-TLI020-830N060W	20 W	500mA	1003 lm	80+	3000K	60°
EN-TLI020-840N060W	20 W	500mA	1079 lm	80+	4000K	60°

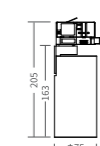
EN-TLI020-51



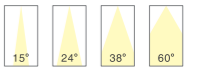
Cross Louver



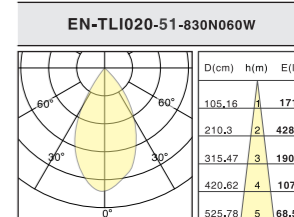
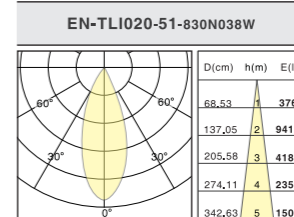
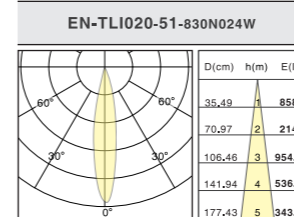
3-pin track adaptor



4-pin track adaptor

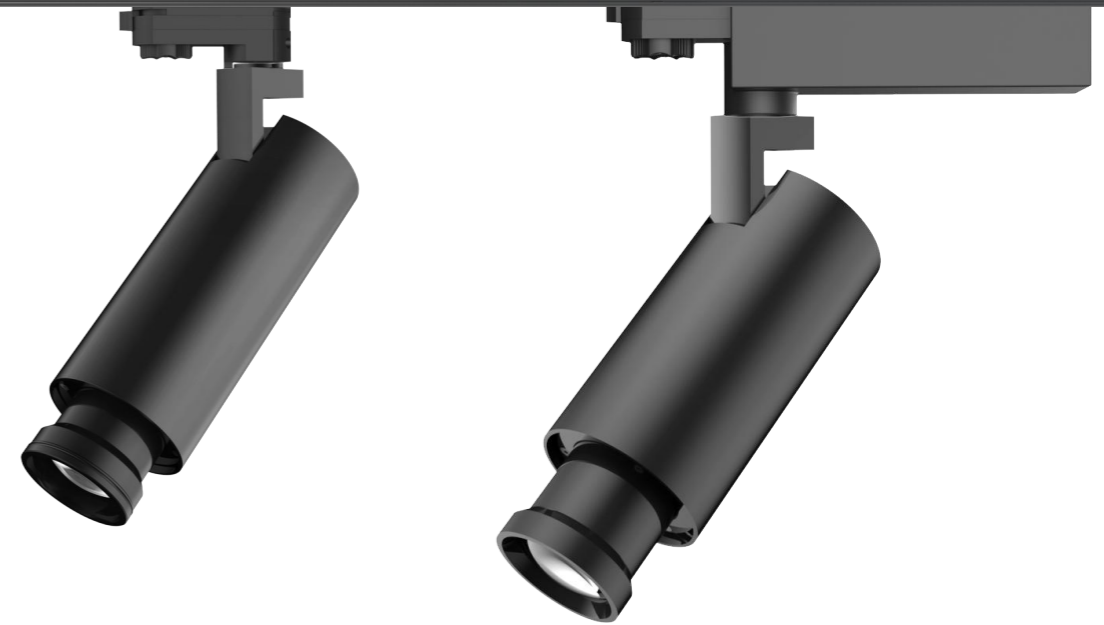


3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI020-51-830N015W	20 W	500mA	1722 lm	80+	3000K	15°
EN-TLI020-51-840N015W	20 W	500mA	1851 lm	80+	4000K	15°
EN-TLI020-51-830N024W	20 W	500mA	1859 lm	80+	3000K	24°
EN-TLI020-51-840N024W	20 W	500mA	1983 lm	80+	4000K	24°
EN-TLI020-51-830N038W	20 W	500mA	1844 lm	80+	3000K	38°
EN-TLI020-51-840N038W	20 W	500mA	1716 lm	80+	4000K	38°
EN-TLI020-51-830N060W	20 W	500mA	1596 lm	80+	3000K	60°
EN-TLI020-51-840N060W	20 W	500mA	1716 lm	80+	4000K	60°

NEW



## Zoomable

6° -50° / 10° -50°

IMAX(EN-TLI series, zoomable version) is a slim and clean LED track light that will fit smoothly into any museum, exhibition and gallery environments. Featuring an adjustable beam mechanism designed to provide endless beam options from 6°- 50°&10°- 50° . The head can be adjusted precisely 360°+ horizontal(rotation) without dead angle and 90°vertical. The light, as a result, is emitted exactly where you need it.

## Zoomable

15° -90° / 15° -70°

IMAX(EN-TLI series, zoomable version) is a slim and clean LED track light that will fit smoothly into any museum, exhibition and gallery environments. Featuring an adjustable beam mechanism designed to provide endless beam options from a 15° narrow to a 90° wide with sharp outline or from a 15° narrow to a 70° wide with soft outline . Every IMAX-T contains a built-in dimmer, to smoothly control the light from 100% to 5%, creating the right individual scenery. The head can be adjusted precisely 360°+ horizontal(rotation) without dead angle and 90°vertical. The light, as a result, is emitted exactly where you need it.

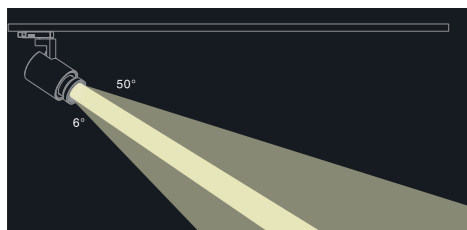


Accessories

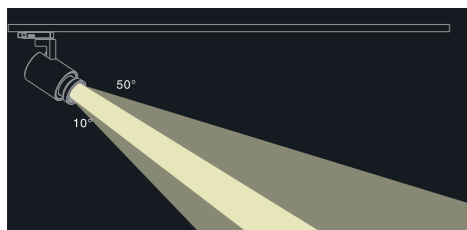
- Honey-comb
- Barn-door
- Circular Small
- Circular Big
- Square
- Rectangular
- Wall Washing

Light Solutions:

Beam angle adjustable from 6° to 50°(10W)



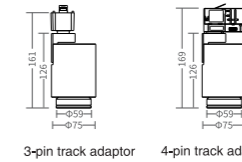
Beam angle adjustable from 10° to 50°(15W)



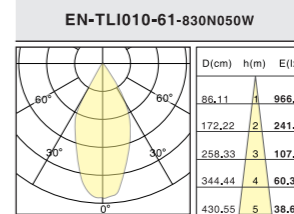
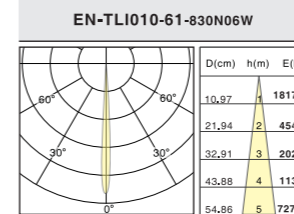
MAIN FEATURES

- Slim and clean design with integrated driver.
- By adjusting the focal length, the beam angle is changed from 6° to 50° & 10° to 50°.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90° vertical aiming.

EN-TLI010-61

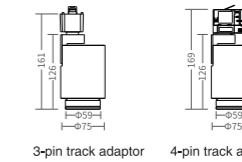


3000K

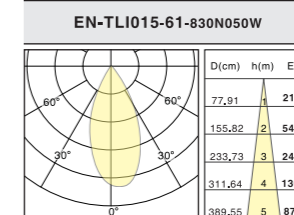
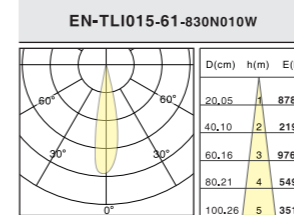


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI010-61-830N06W	10 W	700mA	315 lm	80+	3000K	6°
EN-TLI010-61-840N06W	10 W	700mA	339 lm	80+	4000K	6°
EN-TLI010-61-830N050W	10 W	700mA	518 lm	80+	3000K	50°
EN-TLI010-61-840N050W	10 W	700mA	557 lm	80+	4000K	50°

EN-TLI015-61



3000K

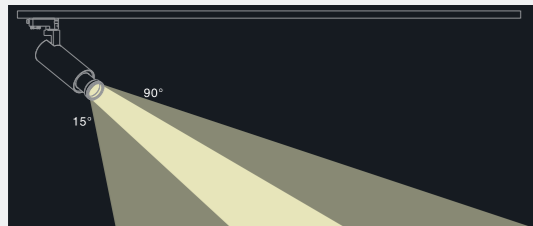


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLI015-61-830N010W	15 W	250mA	646lm	80+	3000K	10°
EN-TLI015-61-840N010W	15 W	250mA	659lm	80+	4000K	10°
EN-TLI015-61-830N050W	15 W	250mA	1080lm	80+	3000K	50°
EN-TLI015-61-840N050W	15 W	250mA	1102lm	80+	4000K	50°

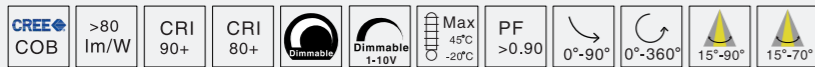
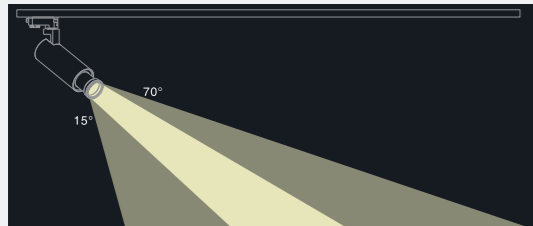


**Light Solutions:**

Beam angle adjustable from **15° to 90°** with sharp outlines



Beam angle adjustable from **15° to 70°** with soft outline



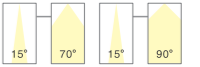
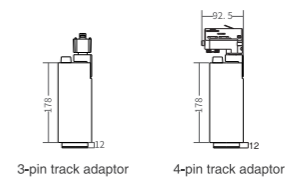
**MAIN FEATURES**

- Slim and clean design with integrated driver(15W, 20W).
- By adjusting the focal length, the beam angle is changed from 15° to 90° with sharp outline or from 15° to 70° with soft outline .
- Privately-designed joints can hold the track head at any positions without malfunctions.
- Self-dimming is available thanks to built-in dimmer(1-10V dimming).
- 360°+ rotation without dead angle and 90°vertical aiming.

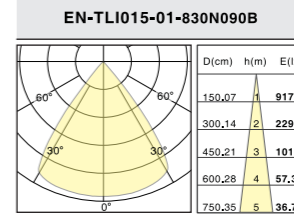
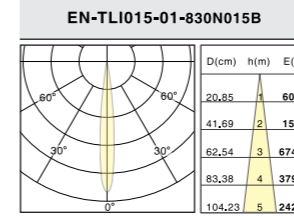
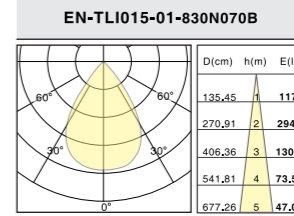
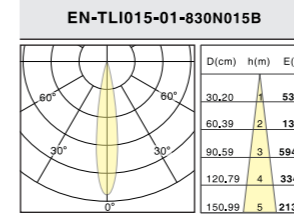
**Accessories**

- Honey-comb
- Barn-door
- Circular Small
- Circular Big
- Square
- Rectangular
- Wall Washing

EN-TLI015-01



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
<i>Beam angle adjustable from 15° to 70°</i>						
EN-TLI015-01-830N015B	15 W	350mA	579 lm	80+	3000K	15°
EN-TLI015-01-840N015B	15 W	350mA	610 lm	80+	4000K	15°
EN-TLI015-01-830N070B	15 W	350mA	1301 lm	80+	3000K	70°
EN-TLI015-01-840N070B	15 W	350mA	1370 lm	80+	4000K	70°
<i>Beam angle adjustable from 15° to 90°</i>						
EN-TLI015-01-830N015B	15 W	350mA	303 lm	80+	3000K	15°
EN-TLI015-01-840N015B	15 W	350mA	319 lm	80+	4000K	15°
EN-TLI015-01-830N090B	15 W	350mA	1136 lm	80+	3000K	90°
EN-TLI015-01-830N090B	15 W	350mA	1196 lm	80+	4000K	90°



built-in Dimmer

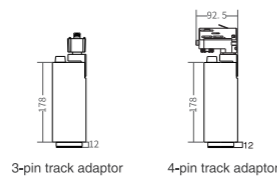


with honeycomb and barn door

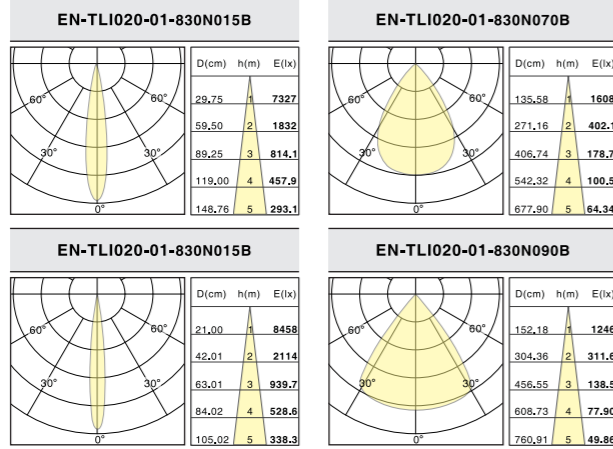


push in & pull out to change the light beam

EN-TLI020-01

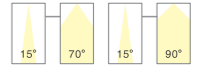
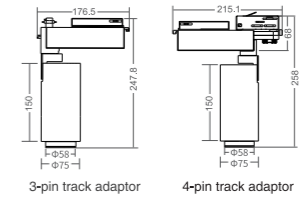


3000K

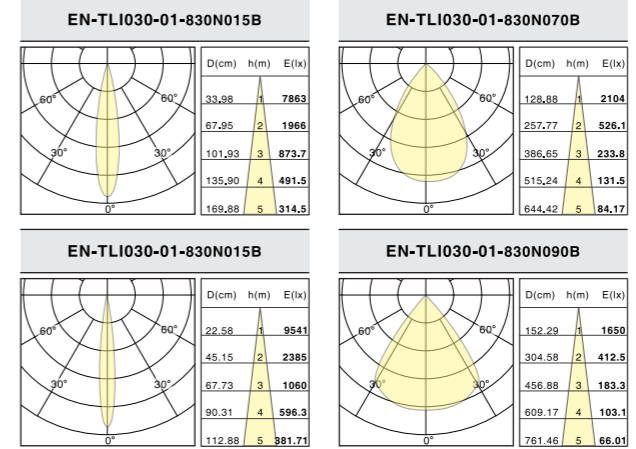


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
<i>Beam angle adjustable from 15° to 70°</i>						
EN-TLI020-01-830N015B	20 W	500mA	794 lm	80+	3000K	15°
EN-TLI020-01-840N015B	20 W	500mA	836 lm	80+	4000K	15°
EN-TLI020-01-830N070B	20 W	500mA	1784 lm	80+	3000K	70°
EN-TLI020-01-840N070B	20 W	500mA	1878 lm	80+	4000K	70°
<i>Beam angle adjustable from 15° to 90°</i>						
EN-TLI020-01-830N015B	20 W	500mA	421 lm	80+	3000K	15°
EN-TLI020-01-840N015B	20 W	500mA	443 lm	80+	4000K	15°
EN-TLI020-01-830N090B	20 W	500mA	1573 lm	80+	3000K	90°
EN-TLI020-01-840N090B	20 W	500mA	1656 lm	80+	4000K	90°

EN-TLI030-01



3000K

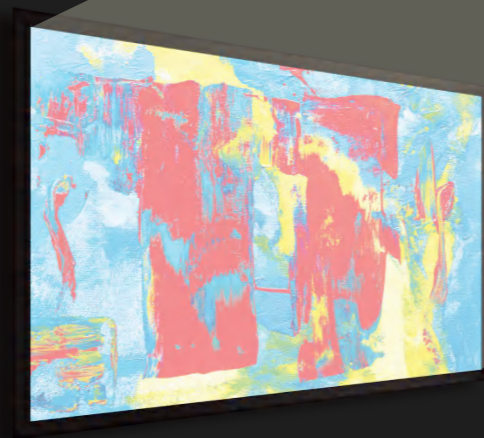


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
<i>Beam angle adjustable from 15° to 70°</i>						
EN-TLI030-01-830N015B	30 W	700mA	1043 lm	80+	3000K	15°
EN-TLI030-01-840N015B	30 W	700mA	1098 lm	80+	4000K	15°
EN-TLI030-01-830N070B	30 W	700mA	2259 lm	80+	3000K	70°
EN-TLI030-01-840N070B	30 W	700mA	2378 lm	80+	4000K	70°
<i>Beam angle adjustable from 15° to 90°</i>						
EN-TLI030-01-830N015B	30 W	700mA	541 lm	80+	3000K	15°
EN-TLI030-01-840N015B	30 W	700mA	569 lm	80+	4000K	15°
EN-TLI030-01-830N090B	30 W	700mA	2045 lm	80+	3000K	90°
EN-TLI030-01-840N090B	30 W	700mA	2153 lm	80+	4000K	90°



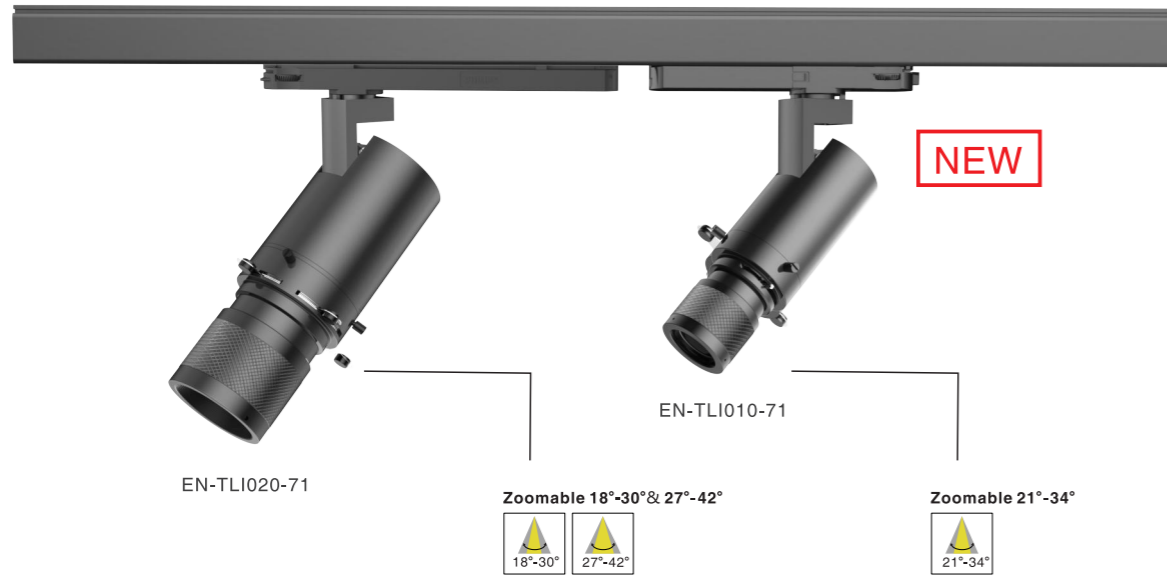
## I Projector

IMAX(EN-TLI series, projector version) is a slim and functional LED track light that will fit smoothly into optimum accurate lighting for museums, exhibitions, art galleries and sales and showroom areas. Featuring a group of precision optical lens and framing patterns mechanism designed to provide sharp-edged, high-contrast square & triangle light shapes, logo projection is also available. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it.

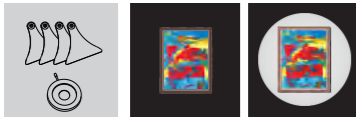


UGR<6  
No Spilt Light  
No Stray Light

Pure style exhibitions need dark environment in order to get all attentions focus on the exhibits(pictures). IMAX-Projector maximumly collect the light beam, cooperating with precisely designed optical system and precision optical lens, fully control the lights, achieve optimized light distribution with UGR<6, plus no spilt light and no stray light.



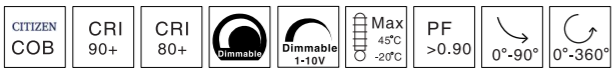
Framing patterns: triangle, square etc.



Customized LOGO Projection



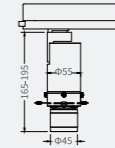
Dimmable



**MAIN FEATURES**

- Tailor-made contour projector for high-end museums & galleries thanks to its precise light control.
- Designed for sharp-focused or soft-focused projection of a light field.
- A set of four framing blades bring sharp-edged or soft edged, high-contrast square & triangle light shape at user's convenience.
- Logo projection, customized logo can be projected at your request.
- Privately-designed joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.
- An adjustable beam(21°-34° / 18°-30° & 27°-42°) can be switched to 3°-45° by using the iris diaphragm.

EN-TLI010-71

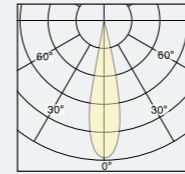


3-pin track adaptor/4-pin track adaptor



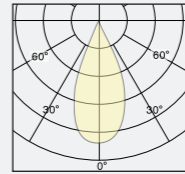
3000K

EN-TLI010-71-830N021B



D(cm)	h(m)	E(lx)
39.74	1	2638
79.48	2	659.5
119.22	3	293.1
159.96	4	164.9
198.70	5	105.5

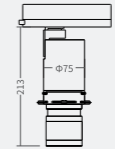
EN-TLI010-71-830N034B



D(cm)	h(m)	E(lx)
62.61	1	1296
125.22	2	324.1
187.83	3	144.0
250.44	4	81.01
313.05	5	51.85

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
<i>Beam angle adjustable from 21° to 34°</i>						
EN-TLI010-71-830N021B	10 W	250mA	416 lm	80+	3000K	21°
EN-TLI010-71-840N021B	10 W	250mA	435 lm	80+	4000K	21°
EN-TLI010-71-830N034B	10 W	250mA	465 lm	80+	3000K	34°
EN-TLI010-71-840N034B	10 W	250mA	488 lm	80+	4000K	34°

EN-TLI020-71

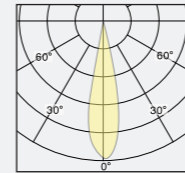


3-pin track adaptor/4-pin track adaptor



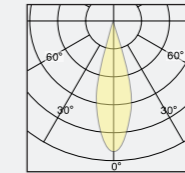
3000K

EN-TLI020-71-830N018B



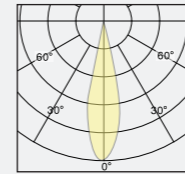
D(cm)	h(m)	E(lx)
31.72	1	8413
63.43	2	2103
95.15	3	934.8
126.87	4	525.8
158.58	5	336.5

EN-TLI020-71-830N030B



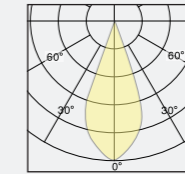
D(cm)	h(m)	E(lx)
48.25	1	5053
96.49	2	1263
144.74	3	561.4
192.98	4	315.8
241.23	5	202.1

EN-TLI020-71-830N027B



D(cm)	h(m)	E(lx)
41.72	1	5961
83.43	2	1490
125.15	3	662.3
166.86	4	372.5
208.58	5	238.4

EN-TLI020-71-830N042B



D(cm)	h(m)	E(lx)
68.16	1	2506
136.31	2	626.4
204.47	3	278.4
272.63	4	156.6
340.78	5	100.2

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
<i>Beam angle adjustable from 18° to 30°</i>						
EN-TLI020-71-830N018B	20 W	500mA	631 lm	80+	3000K	18°
EN-TLI020-71-840N018B	20 W	500mA	651 lm	80+	4000K	18°
EN-TLI020-71-830N030B	20 W	500mA	754 lm	80+	3000K	30°
EN-TLI020-71-840N030B	20 W	500mA	777 lm	80+	4000K	30°
<i>Beam angle adjustable from 27° to 42°</i>						
EN-TLI020-71-830N027B	20 W	500mA	556 lm	80+	3000K	27°
EN-TLI020-71-840N027B	20 W	500mA	573 lm	80+	4000K	27°
EN-TLI020-71-830N042B	20 W	500mA	663 lm	80+	3000K	42°
EN-TLI020-71-840N042B	20 W	500mA	684 lm	80+	4000K	42°



Condenser lens

Logo / Filter



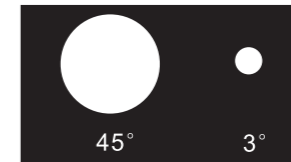
Clear or Soft Outline

Rotate it to change the sharpness of the light outline



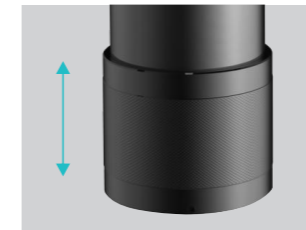
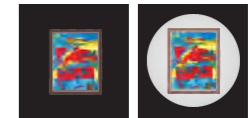
Iris diaphragm

The iris diaphragm controls the lightbeam for circular illustrations and the beam angle could be precisely adjusted from 3° to 45° with using the iris diaphragm base.



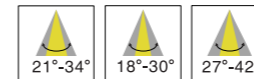
Framing blades

The framing blades controls the light beam for square / rectangular illustrations



Zoomable 21°-34° / 18°-30° & 27°-42°

Push in & pull out the cylinder to change the light beam from 21° to 34° / 18° to 30° & 27° to 42°.



• IMAX -Projector

IMAX projector, also called professional art museum contour projector, gallery contour spotlight. It is designed for accurate lighting of fine art works, adopts a brand new lighting mode, high transparency optical lens and advanced optical aperture imaging technology. It realizes precise projection, which gives the static art exhibition vivid vitality, looking like in self luminous, tremendous exhibits in the air, perfectly present the essence of art.

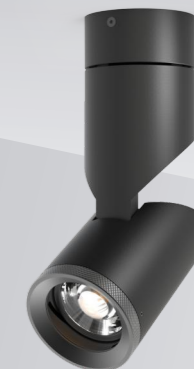
Track-Mounted



Standard  
25W



Zoomable  
25W  
25°-60°



Surface-mounted

## FLEX

UNIQUE in its design, VERSATILE in its using!

A simple, elegant cylinder design with a jointed section that is both easy to adjust and firmly retains its setting, Flex Family Track Light always ready to put on a great performance no matter the applications.

In versions with different light solutions, Flex covers high performance accent lighting with different interchangeable beam lens and beam angle adjusting from a 25° narrow to a 60° wide.

Flex is a family with both track mounted and surface mounted spotlights with different light solutions. So, if you have an environment with different types of ceilings it will be possible to use the same spotlight family and get a unified impression.

### Overview

<b>Application:</b>	Track-mounted, Surface-mounted
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	Beam angle adjustable(25°-60°) Fixed lens: 15°, 24°, 38°, 60°
<b>Watt:</b>	8W - 25W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	529lm-2580lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



25°-60°

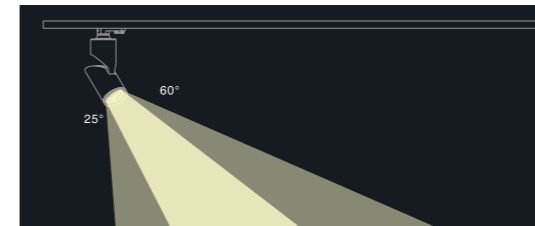
## Zoomable

FLEX(EN-TLF series, zoomable version) is a slim cylinder in foldable design LED track light that will fit smoothly into any museum, exhibition and gallery environments. Featured adjustable beam design to provide various options for 25° narrow to 60° wide angle. The head can be adjusted precisely 360°+ horizontally(rotation) and 90°vertically without dead angle. The light, as a result, is emitted exactly where you need it. Support track mount and surface mount.



### Lighting Solutions

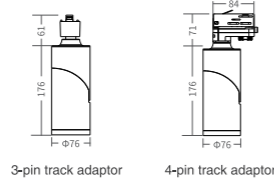
Beam angle adjustable from 25° to 60°



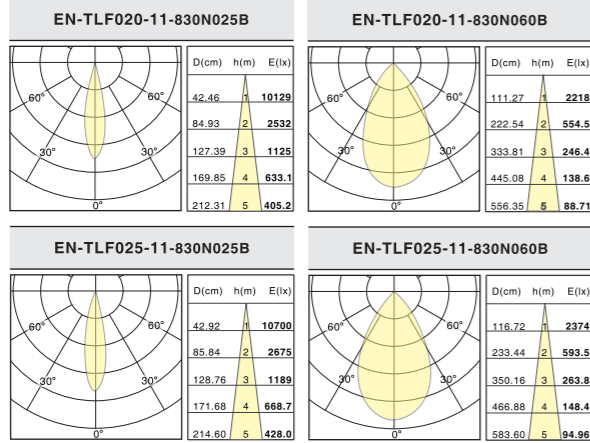
### MAIN FEATURES

- A sleek & elegant cylinder in foldable design, concise but not simple.
- By simply rotating the front ring, the beam angle can be adjusted from 25° to 60°.
- Private-designed joints can hold the track head at any positions without malfunctions.
- Smart magnet can make fixture base and driver box seamless connect.
- 360°+ rotation without dead angle and 90° vertical aiming.

EN-TLF020-11  
EN-TLF025-11



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLF020-11-830N025B	20 W	520mA	2021 lm	80+	3000K	25°
EN-TLF020-11-840N025B	20 W	520mA	2084 lm	80+	4000K	25°
EN-TLF020-11-830N060B	20 W	520mA	2064 lm	80+	3000K	60°
EN-TLF020-11-840N060B	20 W	520mA	2148 lm	80+	4000K	60°
EN-TLF025-11-830N025B	25 W	600mA	2168 lm	80+	3000K	25°
EN-TLF025-11-840N025B	25 W	600mA	2235 lm	80+	4000K	25°
EN-TLF025-11-830N060B	25 W	600mA	2311 lm	80+	3000K	60°
EN-TLF025-11-840N060B	25 W	600mA	2382 lm	80+	4000K	60°





## Standard

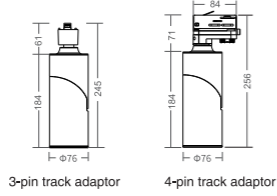
FLEX(EN-TLF series, fixed lens version) is a slim cylinder in foldable design LED track light that will fit smoothly into any retail and gallery environments. The front deep ring can bring a good light comfort. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. Support track mount and surface mount.



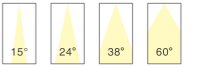
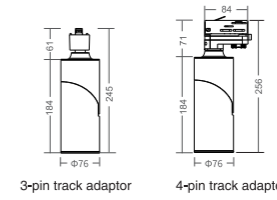
### MAIN FEATURES

- A sleek & elegant cylinder in foldable design, concise but not simple.
- Light efficiency is up to 90lm/W.
- Interchangeable lens: 24°, 38°, 60°.
- Private-design joints can hold the track head at any positions without malfunctions.
- Smart magnet can make fixture base and driver box seamless connected.
- 360°+ rotation without dead angle and 90° vertical aiming.

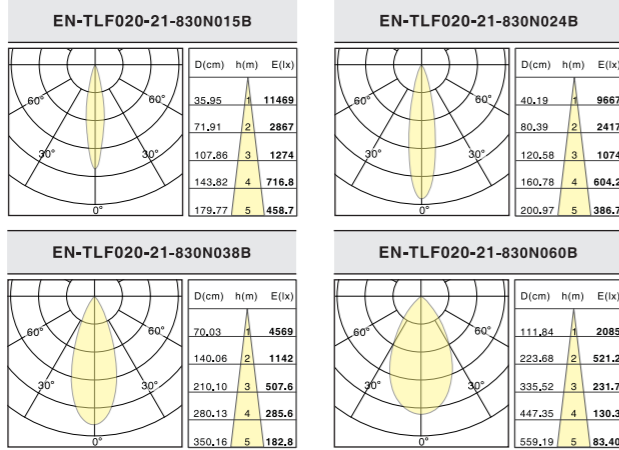
EN-TLF020-21



EN-TLF025-21

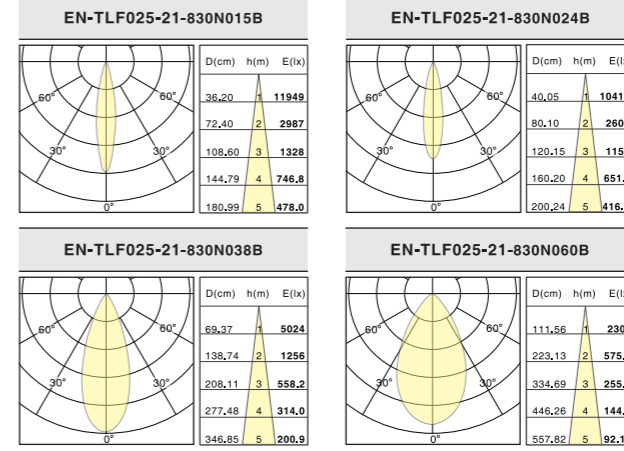


3000K



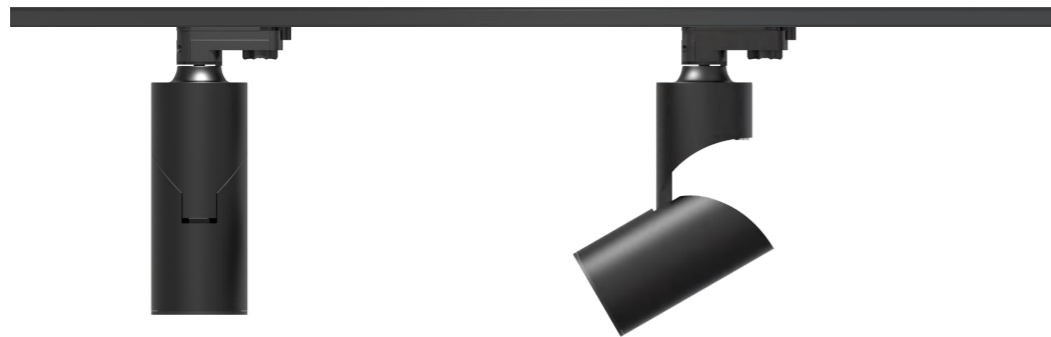
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLF020-21-830N015B	20 W	520mA	2164 lm	80+	3000K	15°
EN-TLF020-21-840N015B	20 W	520mA	2278 lm	80+	4000K	15°
EN-TLF020-21-830N024B	20 W	520mA	2268 lm	80+	3000K	24°
EN-TLF020-21-840N024B	20 W	520mA	2388 lm	80+	4000K	24°
EN-TLF020-21-830N038B	20 W	520mA	2281 lm	80+	3000K	38°
EN-TLF020-21-840N038B	20 W	520mA	2401 lm	80+	4000K	38°
EN-TLF020-21-830N060B	20 W	520mA	2114 lm	80+	3000K	60°
EN-TLF020-21-840N060B	20 W	520mA	2225 lm	80+	4000K	60°

3000K

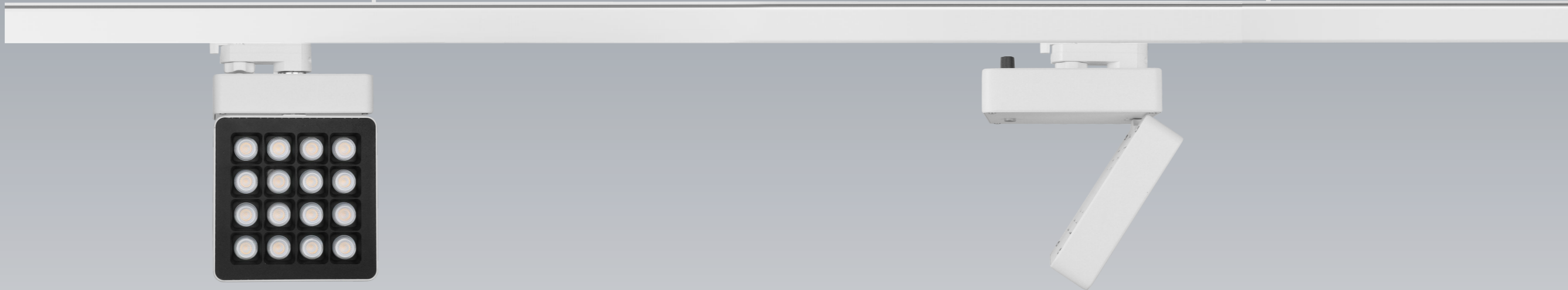


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLF025-21-830N015B	25 W	600mA	2332 lm	80+	3000K	15°
EN-TLF025-21-840N015B	25 W	600mA	2508 lm	80+	4000K	15°
EN-TLF025-21-830N024B	25 W	600mA	2453 lm	80+	3000K	24°
EN-TLF025-21-840N024B	25 W	600mA	2578 lm	80+	4000K	24°
EN-TLF025-21-830N038B	25 W	600mA	2462 lm	80+	3000K	38°
EN-TLF025-21-840N038B	25 W	600mA	2580 lm	80+	4000K	38°
EN-TLF025-21-830N060B	25 W	600mA	2321 lm	80+	3000K	60°
EN-TLF025-21-840N060B	25 W	600mA	2439 lm	80+	4000K	60°

Welcome to contact [sales@encore-tech.com](mailto:sales@encore-tech.com), ask for latest IES files.





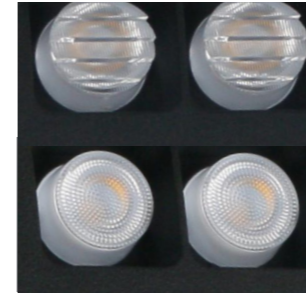


## KINGO

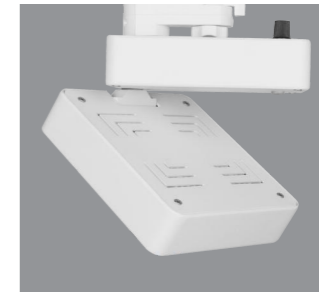
KINGO family is a stylish and cubic LED track light that make the retail, gallery and museum environments looks very special. It covers high performance accent lighting with various spotlights, floodlighting and wall washing.

### Overview

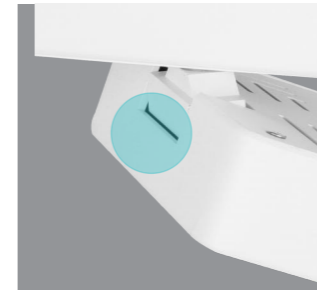
<b>Application:</b>	Track-mounted, Pendant, Surface-mounted
<b>Light source:</b>	High power LED
<b>Light solution:</b>	Spotlights 15°, 20°, 30°, 45°, 60° Floodlights 40°x 20°, 60°x10°
<b>SDCM:</b>	<3
<b>Watt:</b>	18W-30W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>Luminous:</b>	1713lm-2875lm
<b>Control option:</b>	On/off, Triac, DALI
<b>CRI:</b>	80+, 90+
<b>Color:</b>	White, Black, Silver



Different lens for spot lights & flood lights



Optimized passive cooling system



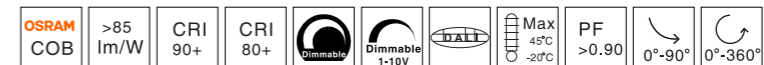
Intelligent joint can hold at any point



Built-in dimmer(1-10V dimming)

## Kingo

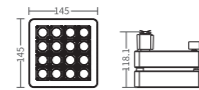
KINGO(EN-TLK series) is a stylish and dual-cubic LED track light that make the retail, gallery and museum environments looks very special. Optics designed for narrow, medium and wide beams, also can be wall washer, to fulfill different light demands. The driver compartment is integrated in the overall design and maintains a separation from LED for optimal thermal management. The head can be adjusted precisely 360°+ horizontal(rotation) without dead angle and 90°vertical. The light, as a result, is emitted exactly where you need it.



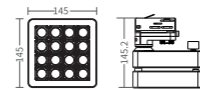
### MAIN FEATURES

- Overlapping of two slim cubes give the luminaire more flexibility and creativity.
- Optics designed for narrow, medium and wide beams, also can be wall washer.
- Support Triac, 1-10V and DALI dimming thanks to enough drive-box space in a cubic design.
- Privately-designed joint can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90°vertical aiming.

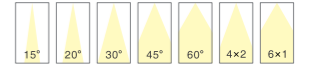
EN-TLK030-01



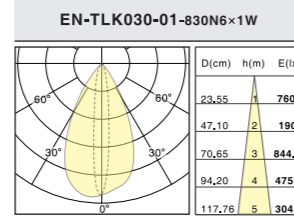
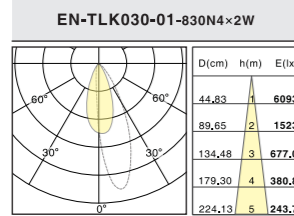
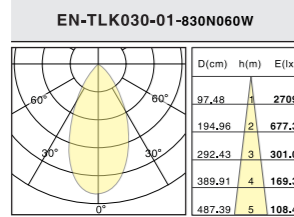
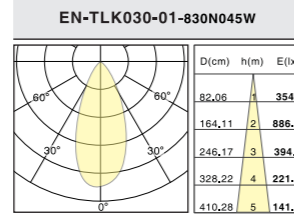
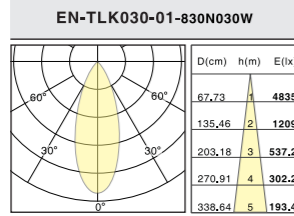
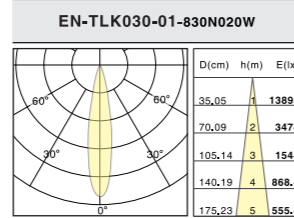
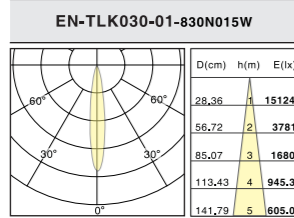
3-pin track adaptor



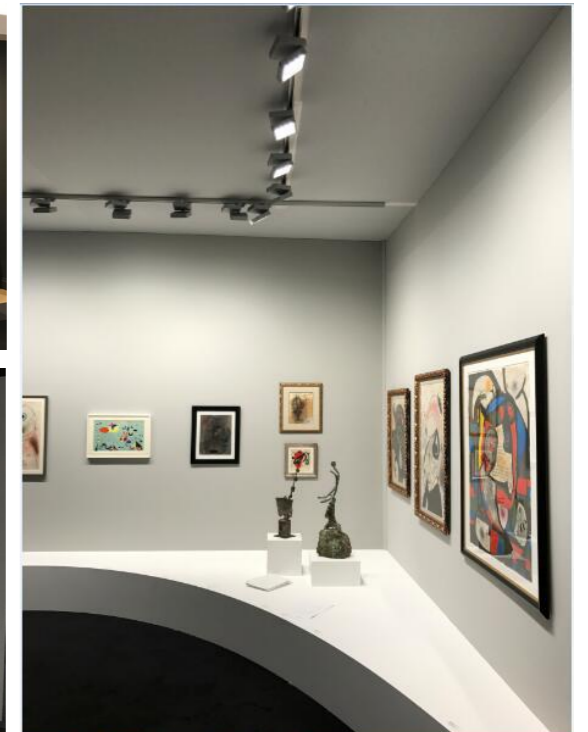
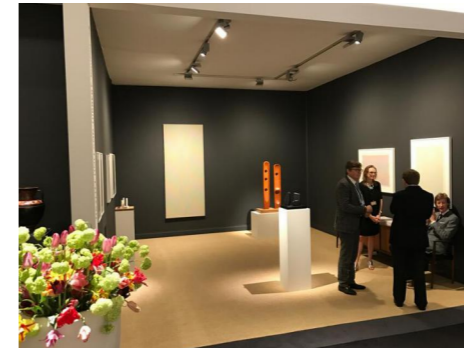
4-pin track adaptor



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLK030-01-830N015W	30 W	550mA	2490 lm	80+	3000K	15°
EN-TLK030-01-840N015W	30 W	550mA	2673 lm	80+	4000K	15°
EN-TLK030-01-830N020W	30 W	550mA	2571 lm	80+	3000K	20°
EN-TLK030-01-840N020W	30 W	550mA	2760 lm	80+	4000K	20°
EN-TLK030-01-830N030W	30 W	550mA	2364 lm	80+	3000K	30°
EN-TLK030-01-840N030W	30 W	550mA	2510lm	80+	4000K	30°
EN-TLK030-01-830N045W	30 W	550mA	2448 lm	80+	3000K	45°
EN-TLK030-01-840N045W	30 W	550mA	2612 lm	80+	4000K	45°
EN-TLK030-01-830N060W	30 W	550mA	2360 lm	80+	3000K	60°
EN-TLK030-01-840N060W	30 W	550mA	2530 lm	80+	4000K	60°
EN-TLK030-01-830N04x2W	30 W	550mA	2340 lm	80+	3000K	20x40°
EN-TLK030-01-840N04x2W	30 W	550mA	2510 lm	80+	4000K	20x40°
EN-TLK030-01-830N06x1W	30 W	550mA	2329 lm	80+	3000K	10x60°
EN-TLK030-01-840N06x1W	30 W	550mA	2500 lm	80+	4000K	10x60°





## MOFA

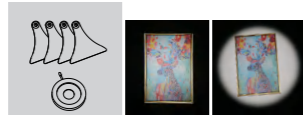
MOFA(EN-TLM, projection version) is a functional LED track light that will fit smoothly into any high-end museum, gallery and commercial sites. Featuring a group of precision optical lens and framing patterns mechanism designed to provide sharp-edged, high-contrast square & triangle light shapes, logo projection is also available. The head can be adjusted precisely 360°+ horizontal(rotation) and 90°vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.

### Overview

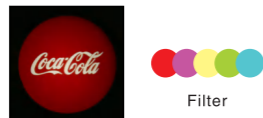
<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	16°
<b>Watt:</b>	30W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	464lm- 488lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White+Black, Black



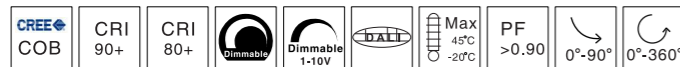
**Framing patterns:**  
triangle, square etc.



**Customized LOGO Projection**



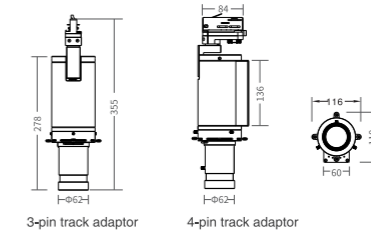
**Dimmable**



**MAIN FEATURES**

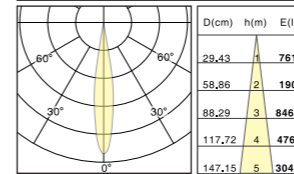
- Optimum accent lighting for museums, exhibitions, art galleries and sales and showroom areas.
- Designed for precise, sharp-focused projection of a light field.
- A set of four framing blades and an iris diaphragm bring sharp-edged, high-contrast square & triangle lighting shape at user's convenience.
- Logo projection, customized logo can be projected at your request.
- Self-dimming is available thanks to built-in dimmer.
- 360°+ rotation without dead angle and 90°vertical aiming.

EN-TLM030-01



3000K

EN-TLM030-01-830N016W



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLM030-01-830N016W	30 W	700mA	464 lm	80+	3000k	16°
EN-TLM030-01-840N016W	30 W	700mA	497 lm	80+	4000k	16°



• Optical structure can make any possible lighting shapes.



• Adjustable aperture inside to adjust the size of lighting shape

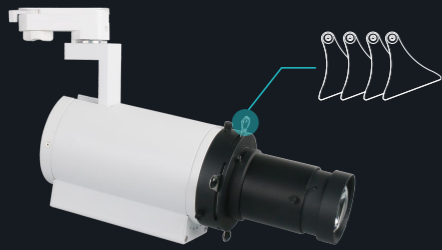


• In order to maximize the light body working life,we consider and tailor-made the lamp body cooling hole.

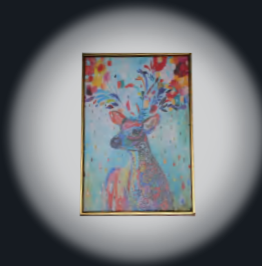


• Reliable joiner can hold at any position without loosen.

• **Framing Patterns**  
triangle ,square etc



Adjust the **4 framing blades** to control the light shape



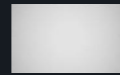
Circular illustrations



Square illustrations



Triangle



Square

• **Light Beam**



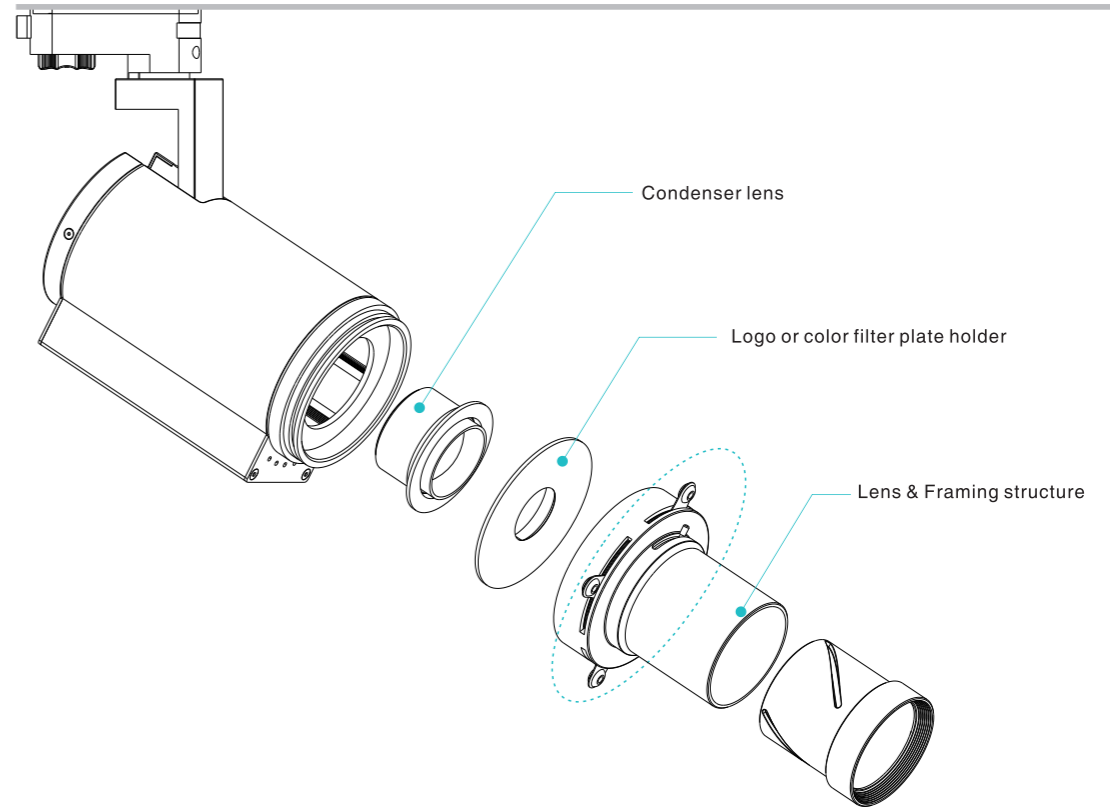
Adjust **iris diaphragm** to control the circular illustration size



• **Clear or Soft Outline**



Adjust **Front snoot** to make the light spot clear or blurred borders



**Framing structure + Logo Projection**

Through adjustable framing blades and iris diaphragms, can showing off both square and circular exhibits to optimum effect. A built-in plate holder creates ideal logo or color projection.

- The framing blades controls the light beam for square illustrations.



- The iris diaphragm controls the light beam for circular illustrations.



- Logo & color filter projection. Logo can be customized.



Logo



Filter

**Lenses**

Optical structure functions with condenser and objective lens set, provide uniform light distribution and adjustment of resolution. Zooming action can be performed by just turning front ring.

- Lenses**
- Condenser lens
- Objective lens

**Radiation angles**  
spot: 16°



## AIMER

### Classic in style, Versatile in use!

Aimer (EN-TLA series) is designed for lighting retail, gallery and exhibition spaces. The driver compartment is separate from the optical compartment, assuring excellent thermal dissipation and a balanced design. Aimer is available in two sizes and in two versions (vertical and flat), support Triac, 1-10V and DALI dimming thanks to enough drive-box space in a unique design. Aimer can also add a built-in dimmer as an option, to smoothly control the light from 100% to 5%, creating the right individual scenery.



### Overview

<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>Light solution:</b>	<3
<b>SDCM:</b>	Fixed lens 15°, 24°, 38°, 60°
<b>Watt:</b>	25W - 35W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>Luminous:</b>	80+, 90+
<b>Control option:</b>	2395lm-3398lm
<b>CRI:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



Accessories



Honeycomb Filter



EN-TLA\*\*\*-01  
Standard



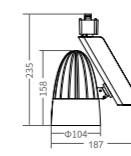
EN-TLA\*\*\*-02  
with Built-in Dimmer(1-10V dimming)

	>95 lm/W	CRI 90+	CRI 80+			Max 45°C -20°C	PF >0.90		
								0°-355°	0°-355°

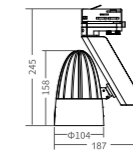
MAIN FEATURES

- Classic in style, Versatile in use.
- Light efficiency is up to 95lm/W.
- Interchangeable reflector: 15°, 24°, 38°, 60°.
- Support Triac, 1-10V and DALI dimming thanks to enough drive-box space in a unique design.
- Privately-designed joint can hold the track head at any positions without malfunctions.
- Rotating solution: 355° in horizontal, 355° in vertical.
- Self-dimming is available thanks to built-in dimmer(1-10V dimming).
- Can be equipped with anti-glare honeycomb filter.

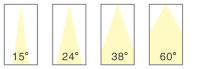
EN-TLA025-01



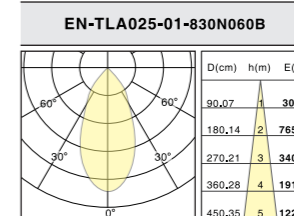
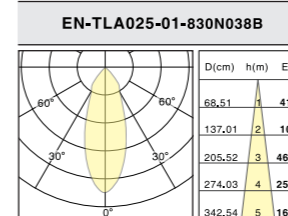
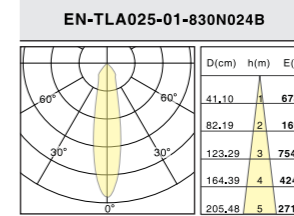
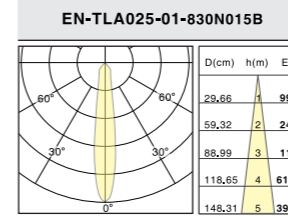
3-pin track adaptor



4-pin track adaptor



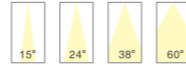
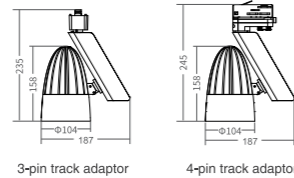
3000K



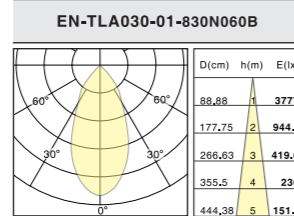
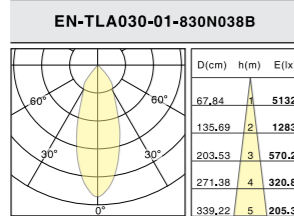
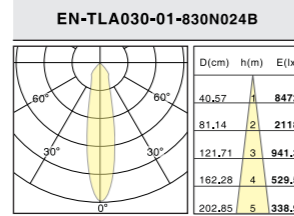
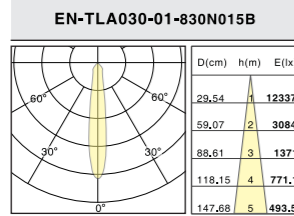
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLA025-01-830N015B	25 W	600mA	2299 lm	80+	3000K	15°
EN-TLA025-01-840N015B	25 W	600mA	2420lm	80+	4000K	15°
EN-TLA025-01-830N024B	25 W	600mA	2321 lm	80+	3000K	24°
EN-TLA025-01-840N024B	25 W	600mA	2444lm	80+	4000K	24°
EN-TLA025-01-830N038B	25 W	600mA	2385 lm	80+	3000K	38°
EN-TLA025-01-840N038B	25 W	600mA	2511 lm	80+	4000K	38°
EN-TLA025-01-830N060B	25 W	600mA	2335 lm	80+	3000K	60°
EN-TLA025-01-840N060B	25 W	600mA	2458 lm	80+	4000K	60°



EN-TLA030-01

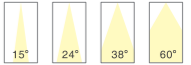
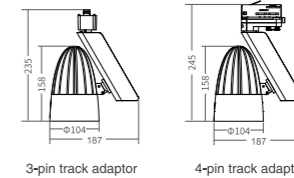


3000K

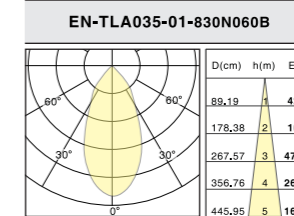
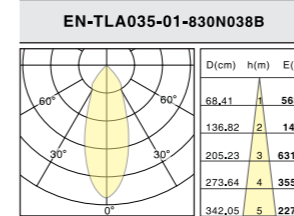
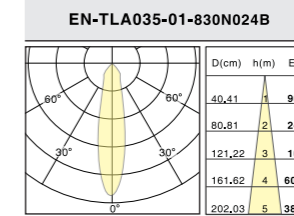
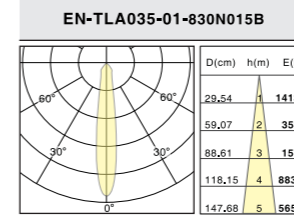


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLA030-01-830N015B	30 W	730mA	2796 lm	80+	3000K	15°
EN-TLA030-01-840N015B	30 W	730mA	2943 lm	80+	4000K	15°
EN-TLA030-01-830N024B	30 W	730mA	2837 lm	80+	3000K	24°
EN-TLA030-01-840N024B	30 W	730mA	2986 lm	80+	4000K	24°
EN-TLA030-01-830N038B	30 W	730mA	2919 lm	80+	3000K	38°
EN-TLA030-01-840N038B	30 W	730mA	3073 lm	80+	4000K	38°
EN-TLA030-01-830N060B	30 W	730mA	2834 lm	80+	3000K	60°
EN-TLA030-01-840N060B	30 W	730mA	2983 lm	80+	4000K	60°

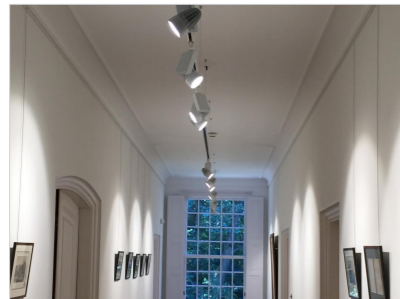
EN-TLA035-01



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLA035-01-830N015B	35 W	850mA	3186 lm	80+	3000K	15°
EN-TLA035-01-840N015B	35 W	850mA	3354 lm	80+	4000K	15°
EN-TLA035-01-830N024B	35 W	850mA	3224 lm	80+	3000K	24°
EN-TLA035-01-840N024B	35 W	850mA	3394 lm	80+	4000K	24°
EN-TLA035-01-830N038B	35 W	850mA	3262 lm	80+	3000K	38°
EN-TLA035-01-840N038B	35 W	850mA	3434 lm	80+	4000K	38°
EN-TLA035-01-830N060B	35 W	850mA	3195 lm	80+	3000K	60°
EN-TLA035-01-840N060B	35 W	850mA	3364 lm	80+	4000K	60°





# BIRO

BIRO(EN-TLB series) is designed for lighting retail, gallery and exhibition spaces. The driver compartment is separate from the optical compartment, assuring excellent thermal dissipation and a balanced design. Interchangeable beam reflector can help you to change the beam reflector easily without tools.

## Overview

<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>Light solution:</b>	<3
<b>SDCM:</b>	Fixed lens 15°, 24°, 38°, 60°
<b>Watt:</b>	20W - 30W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>Luminous:</b>	80+, 90+
<b>Control option:</b>	1974lm-2782lm
<b>CRI:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



### Accessories



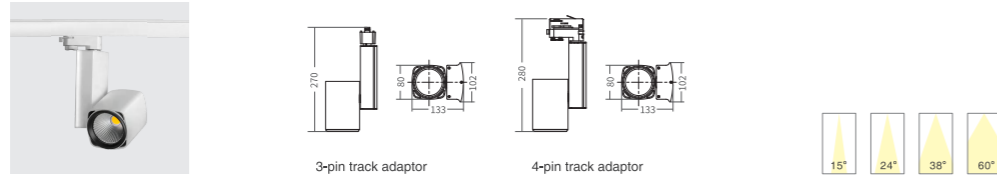
Honeycomb Filter

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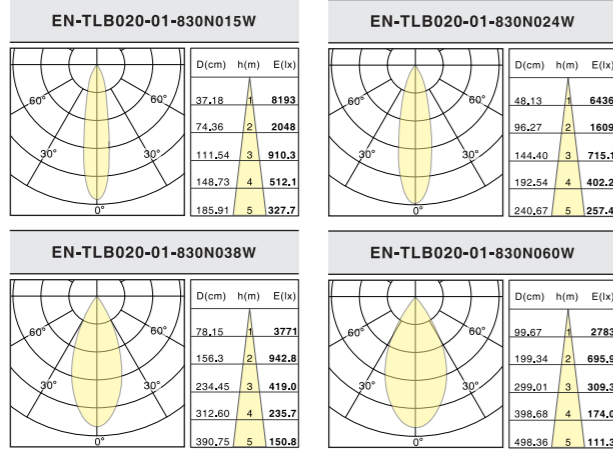
### MAIN FEATURES

- Light efficiency is up to 95lm/W.
- Interchangeable reflector: 15°, 24°, 38°, 60°
- Privately-designed joint can hold the track head at any positions without malfunctions.
- Precision aiming adjustment: 355° aiming both horizontal and vertical rotation.
- Can be equipped with anti-glare honeycomb filter.

EN-TLB020-01

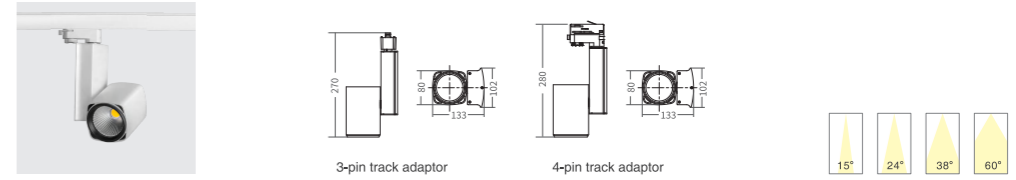


3000K

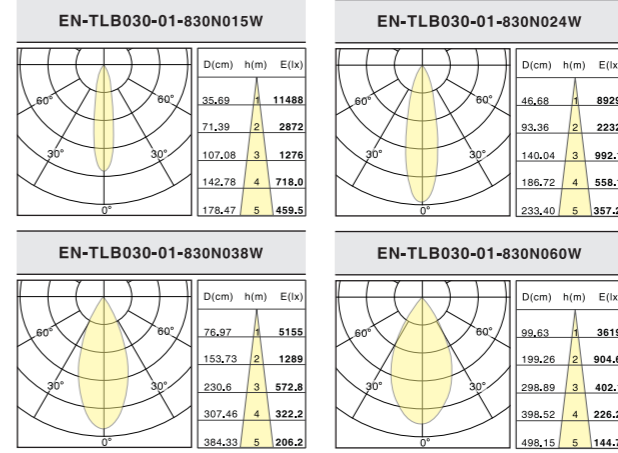


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLB020-01-830N015W	20 W	520mA	1974 lm	80+	3000K	15°
EN-TLB020-01-840N015W	20 W	520mA	2077 lm	80+	4000K	15°
EN-TLB020-01-830N024W	20 W	520mA	1980 lm	80+	3000K	24°
EN-TLB020-01-840N024W	20 W	520mA	2084 lm	80+	4000K	24°
EN-TLB020-01-830N038W	20 W	520mA	1974 lm	80+	3000K	38°
EN-TLB020-01-840N038W	20 W	520mA	2078 lm	80+	4000K	38°
EN-TLB020-01-830N060W	20 W	520mA	1981 lm	80+	3000K	60°
EN-TLB020-01-840N060W	20 W	520mA	2085 lm	80+	4000K	60°

EN-TLB030-01



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLB030-01-830N015W	30 W	700mA	2643 lm	80+	3000K	15°
EN-TLB030-01-840N015W	30 W	700mA	2782 lm	80+	4000K	15°
EN-TLB030-01-830N024W	30 W	700mA	2640 lm	80+	3000K	24°
EN-TLB030-01-840N024W	30 W	700mA	2779 lm	80+	4000K	24°
EN-TLB030-01-830N038W	30 W	700mA	2632 lm	80+	3000K	38°
EN-TLB030-01-840N038W	30 W	700mA	2770 lm	80+	4000K	38°
EN-TLB030-01-830N060W	30 W	700mA	2605 lm	80+	3000K	60°
EN-TLB030-01-840N060W	30 W	700mA	2742 lm	80+	4000K	60°



## CADIO

CADIO family is designed for lighting retail, gallery and exhibition spaces. Interchangeable beams can fulfill different light demands. CADIO is available in two versions, the driver apart from LED engine or integrated with LED engine.

CADIO compact version is a family with both track mounted and surface mounted spotlights, if you have an environment asking for different installation methods, it will be possible to use the same spotlight family and get a unified impression.

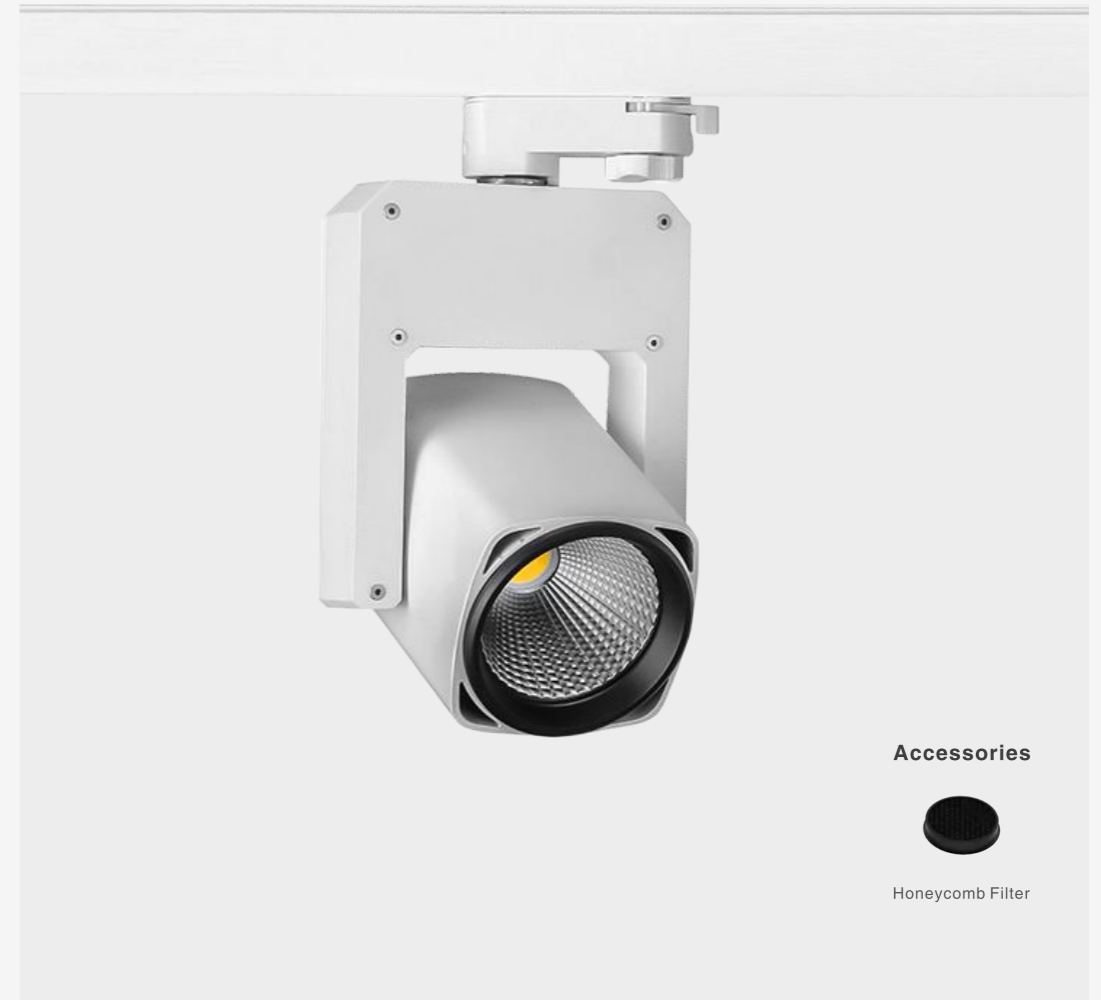
### Overview

<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	Fixed lens 15°, 24°, 38°, 60°
<b>Watt:</b>	20W - 30W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	1974lm-2782lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



EN-TLC020-01  
EN-TLC030-01

EN-TLC025-11



## Standard

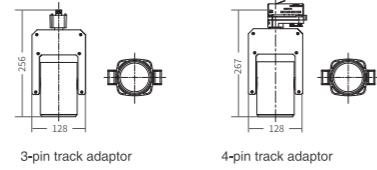
CADIO(EN-TLC series, classic style) is designed for lighting retail, gallery and exhibition spaces. The driver compartment is separate from the optical compartment, assuring excellent thermal dissipation and a balanced design. Interchangeable beam reflectors can help you to change the beam reflectors easily without tools.



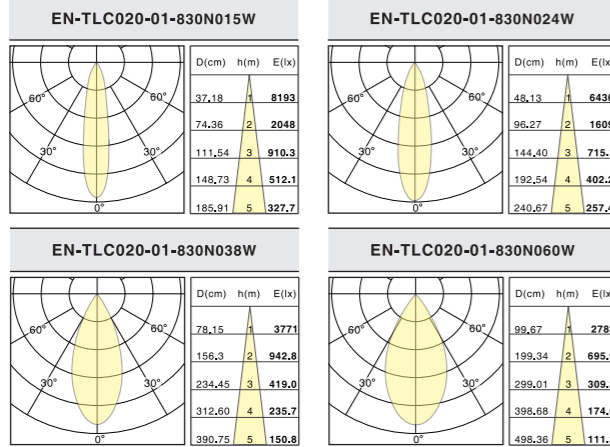
### MAIN FEATURES

- Compact design with integrated driver.
- Light efficiency is up to 95lm/W.
- Interchangeable reflector: 15°, 24°, 38°, 60°
- Privately-designed joint can hold the track head at any positions without malfunctions.
- Rotating solution: 355° in horizontal, 90° in vertical.

EN-TLC020-01

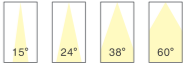
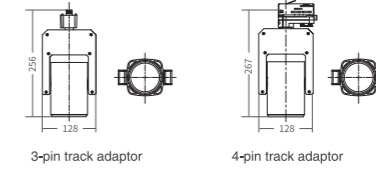


3000K

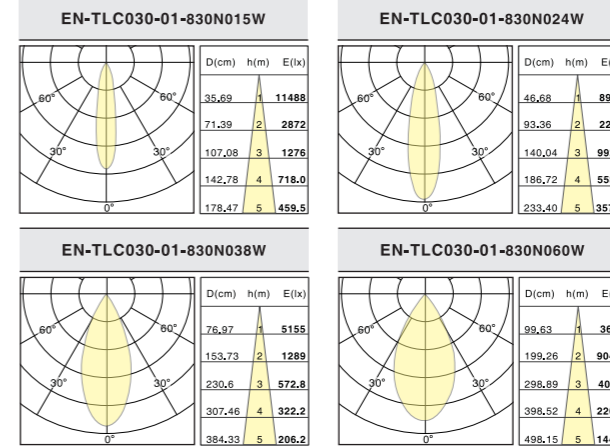


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLC020-01-830N015W	20 W	520mA	1974 lm	80+	3000K	15°
EN-TLC020-01-840N015W	20 W	520mA	2077 lm	80+	4000K	15°
EN-TLC020-01-830N024W	20 W	520mA	1980 lm	80+	3000K	24°
EN-TLC020-01-840N024W	20 W	520mA	2084 lm	80+	4000K	24°
EN-TLC020-01-830N038W	20 W	520mA	1974 lm	80+	3000K	38°
EN-TLC020-01-840N038W	20 W	520mA	2078 lm	80+	4000K	38°
EN-TLC020-01-830N060W	20 W	520mA	1981 lm	80+	3000K	60°
EN-TLC020-01-840N060W	20 W	520mA	2085 lm	80+	4000K	60°

EN-TLC030-01



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLC030-01-830N015W	30 W	700mA	2643 lm	80+	3000K	15°
EN-TLC030-01-840N015W	30 W	700mA	2782 lm	80+	4000K	15°
EN-TLC030-01-830N024W	30 W	700mA	2640 lm	80+	3000K	24°
EN-TLC030-01-840N024W	30 W	700mA	2779 lm	80+	4000K	24°
EN-TLC030-01-830N038W	30 W	700mA	2632 lm	80+	3000K	38°
EN-TLC030-01-840N038W	30 W	700mA	2770 lm	80+	4000K	38°
EN-TLC030-01-830N060W	30 W	700mA	2605 lm	80+	3000K	60°
EN-TLC030-01-840N060W	30 W	700mA	2742 lm	80+	4000K	60°



Track-mounted

Pendant

Surface-mounted

## Premium

CADIO(EN-TLC series, compact style) LED track light is designed for lighting retail, gallery and exhibition spaces. The front snoot can bring a good light comfort. The head can be adjusted precisely 360°+ horizontal(rotation) without dead angle and 90°vertical. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions. Support track mount and surface mount.

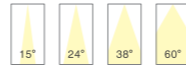
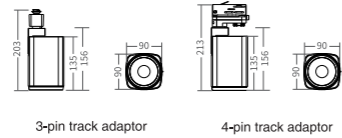


	>105 lm/W	CRI 90+	CRI 80+			Max 45°C -20°C	PF >0.90		
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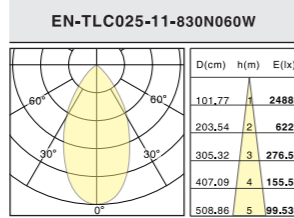
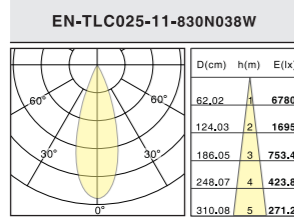
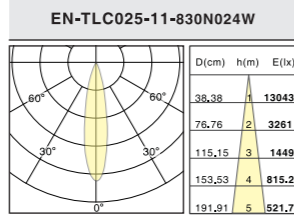
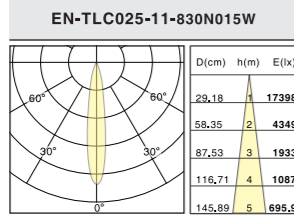
### MAIN FEATURES:

- Compact design with integrated driver.
- Light efficiency is up to 105lm/W.
- Interchangeable reflector: 15°, 24°, 38°, 60°
- Privately-designed joint can hold the track head at any positions without malfunctions.
- 360°+ horizontal(rotation) adjustment and 90° vertical aiming.

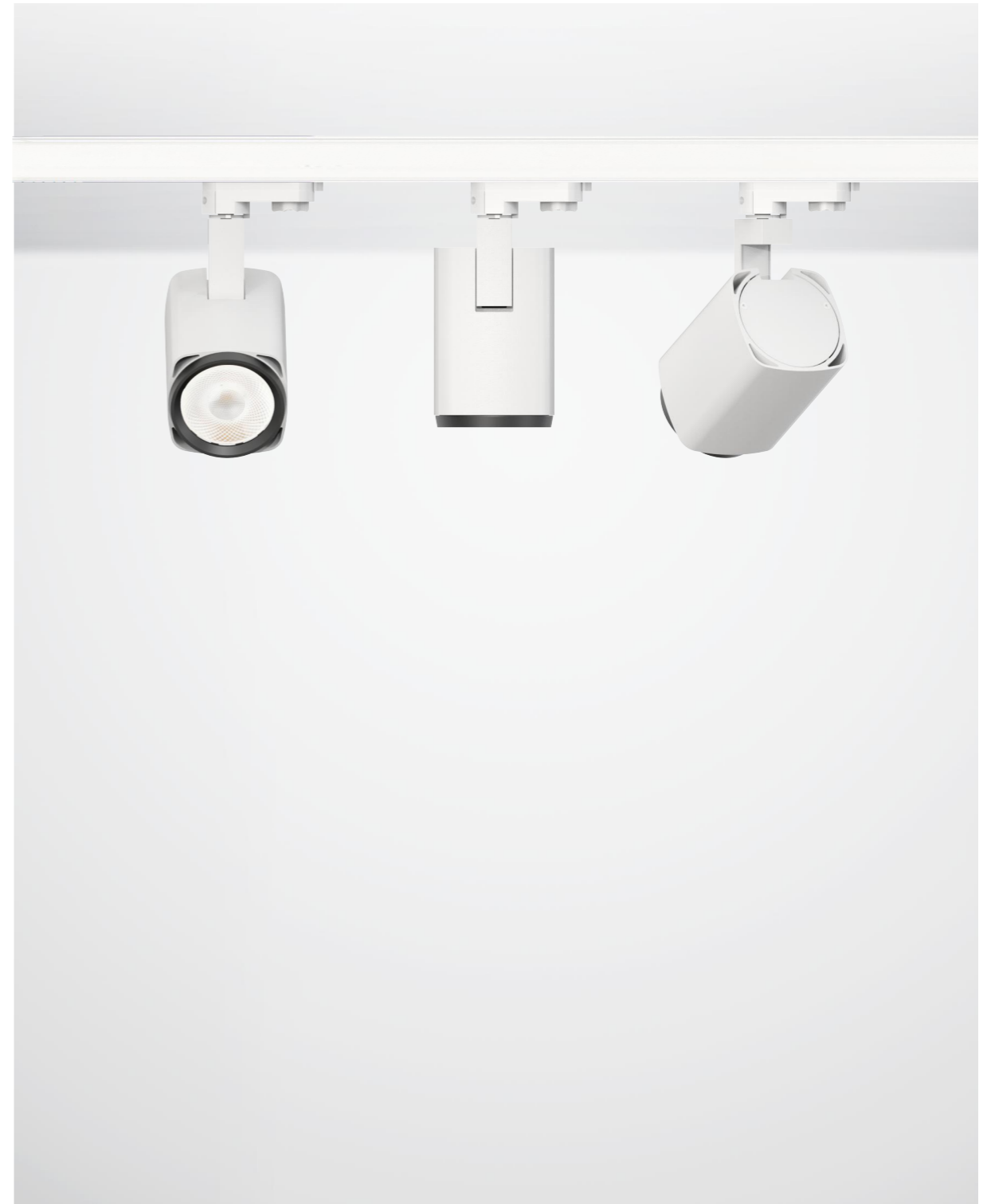
EN-TLC025-11



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLC025-11-830N015W	25 W	600mA	2521 lm	80+	3000K	15°
EN-TLC025-11-840N015W	25 W	600mA	2653 lm	80+	4000K	15°
EN-TLC025-11-830N024W	25 W	600mA	2697 lm	80+	3000K	24°
EN-TLC025-11-840N024W	25 W	600mA	2839 lm	80+	4000K	24°
EN-TLC025-11-830N038W	25 W	600mA	2574 lm	80+	3000K	38°
EN-TLC025-11-840N038W	25 W	600mA	2709 lm	80+	4000K	38°
EN-TLC025-11-830N060W	25 W	600mA	2303 lm	80+	3000K	60°
EN-TLC025-11-840N060W	25 W	600mA	2425 lm	80+	4000K	60°





# QUASAR

QUASAR(EN-TLJ series) versatility allows it to be used for both accent and general lighting applications, even from considerable heights, thanks to the use of high powered LED engines with flux up to 5000lm. A compact design with superior thermal management makes this fixture perfect for any truly High-end commercial application.

## Overview

<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	Fixed lens 10°, 12°, 15°, 20°, 24°, 38°, 60°
<b>Watt:</b>	8W - 50W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	769lm-5760lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



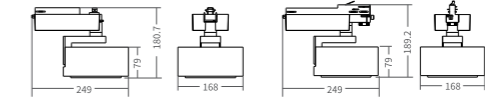
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### MAIN FEATURES

- Compact design with integrated driver(50W).
- Light efficiency is up to 95lm/W.
- Interchangeable reflector: 15°, 24°, 38°, 60°.
- Privately-designed joint can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90° vertical aiming.

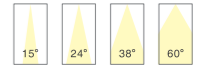


EN-TLJ050-01

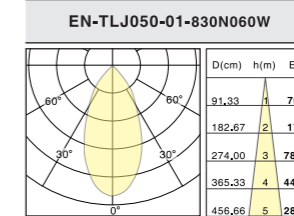
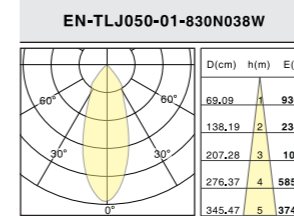
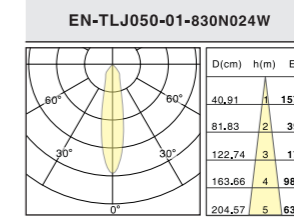
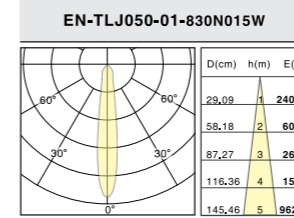


3-pin track adaptor

4-pin track adaptor



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLJ050-01-830N015W	50 W	1200mA	5341 lm	80+	3000K	15°
EN-TLJ050-01-840N015W	50 W	1200mA	5564 lm	80+	4000K	15°
EN-TLJ050-01-830N024W	50 W	1200mA	5386 lm	80+	3000K	24°
EN-TLJ050-01-840N024W	50 W	1200mA	5610 lm	80+	4000K	24°
EN-TLJ050-01-830N038W	50 W	1200mA	5419 lm	80+	3000K	38°
EN-TLJ050-01-840N038W	50 W	1200mA	5645 lm	80+	4000K	38°
EN-TLJ050-01-830N060W	50 W	1200mA	5404 lm	80+	3000K	60°
EN-TLJ050-01-840N060W	50 W	1200mA	5630 lm	80+	4000K	60°

# GIMINI

GIMINI(EN-TLL series) is designed for lighting retail, gallery and exhibition spaces. The driver compartment is separate from the optical compartment, assuring excellent thermal dissipation and a balanced design. Interchangeable beam reflectors can help you to change the beam reflector easily without tools. GEMINI is available in two sizes with 15W version and 35W version.

## Overview

<b>Application:</b>	Track-mounted
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	Fixed lens 10°, 15°, 18°, 24°, 30°, 38°
<b>Watt:</b>	15W - 35W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	1192lm-3192lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black

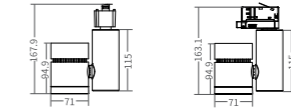


### MAIN FEATURES

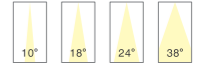
- Clean & elegant design thanks to dual-cylinder perfect combination.
- Interchangeable reflector: 10°, 18°, 30°, 38°.
- Privately-designed joint can hold the track head at any positions without malfunctions.
- 355°+ rotation and 180° vertical aiming.



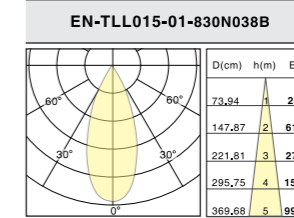
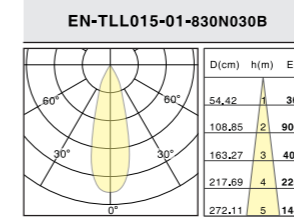
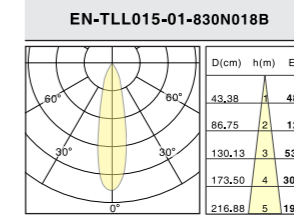
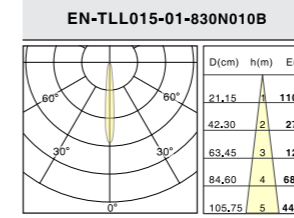
EN-TLL015-01



3-pin track adaptor 4-pin track adaptor

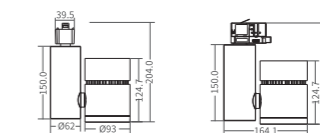


3000K

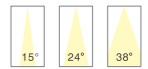


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLL015-01-830N010B	15 W	350mA	1291 lm	80+	3000K	10°
EN-TLL015-01-840N010B	15 W	350mA	1359 lm	80+	4000K	10°
EN-TLL015-01-830N018B	15 W	350mA	1272 lm	80+	3000K	18°
EN-TLL015-01-840N018B	15 W	350mA	1338 lm	80+	4000K	18°
EN-TLL015-01-830N030B	15 W	350mA	1269 lm	80+	3000K	30°
EN-TLL015-01-840N030B	15 W	350mA	1336 lm	80+	4000K	30°
EN-TLL015-01-830N038B	15 W	350mA	1192 lm	80+	3000K	38°
EN-TLL015-01-840N038B	15 W	350mA	1255 lm	80+	4000K	38°

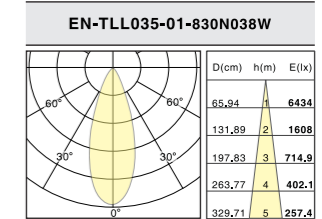
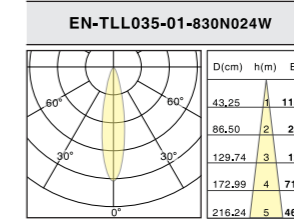
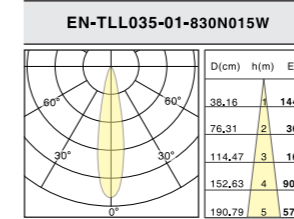
EN-TLL035-01



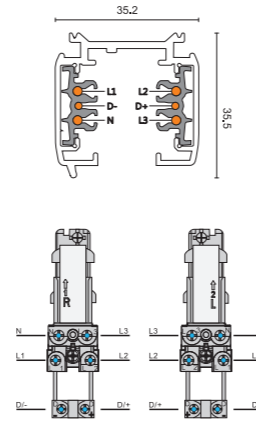
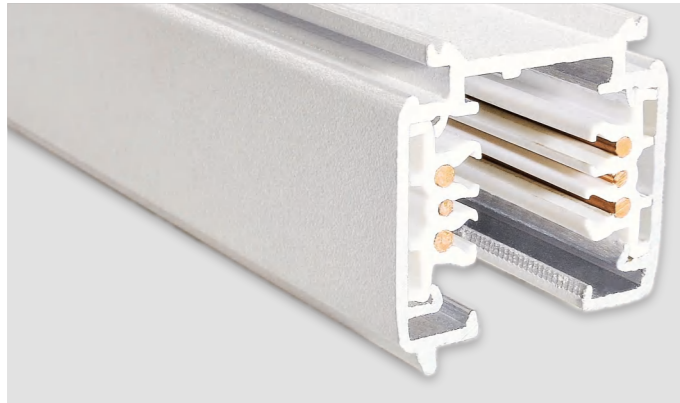
3-pin track adaptor 4-pin track adaptor



3000K



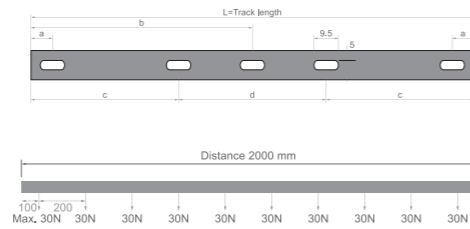
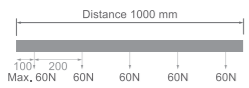
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-TLL035-01-830N015W	35 W	850mA	3026 lm	80+	3000K	15°
EN-TLL035-01-840N015W	35 W	850mA	3185 lm	80+	4000K	15°
EN-TLL035-01-830N024W	35 W	850mA	3032 lm	80+	3000K	24°
EN-TLL035-01-840N024W	35 W	850mA	3192 lm	80+	4000K	24°
EN-TLL035-01-830N038W	35 W	850mA	2994 lm	80+	3000K	38°
EN-TLL035-01-840N038W	35 W	850mA	3151 lm	80+	4000K	38°



**FIXING POINT DIMENSIONS**

L / mm	a / mm	b / mm	c / mm	d / mm
1000	125			
2000	125	998		
3000	125		914	1167
4000	125		1247	1501

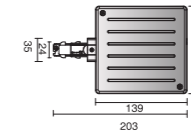
**MECHANICAL LOAD DIAGRAM**



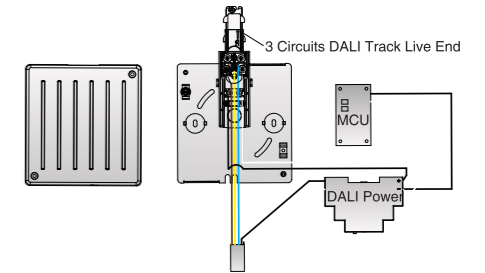
Model No	Track length	Shell Material	Colour	Package
Pro-0610-W / Pro-0610-S / Pro-0610-B	1M track actual one meter.(100cm)	Aluminum Extrusion	White□Silver■Black■	1 / 12
Pro-0620-W / Pro-0620-S / Pro-0620-B	2M track actual one meter(200cm)	Aluminum Extrusion	White□Silver■Black■	1 / 12
Pro-0630-W / Pro-0630-S / Pro-0630-B	3M track actual one meter(300cm)	Aluminum Extrusion	White□Silver■Black■	1 / 8
Pro-06400-W / Pro-06400-S / Pro-06400-B	4M track actual one meter(400cm)	Aluminum Extrusion	White□Silver■Black■	1 / 6

**SmartFeed**

Intelligent DALI power feed integrated with wireless DALI control. The DALI track system can be controlled by iPhone or iPad Apps that we developed in-house via Bluetooth connection.

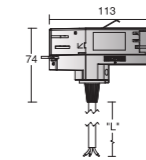


Model No.	Colour
Pro-D631SF-W	White □
Pro-D631SF-S	Silver ■
Pro-D631SF-B	Black ■



**3 Circuits DALI Adaptor with 3M&5M wire**

DALI track adaptor with 3 or 5 meter cable consist of AC power and DALI signal cords for various DALI lighting applications. It provides fast efficient wiring connection and simplify DALI wiring installation.

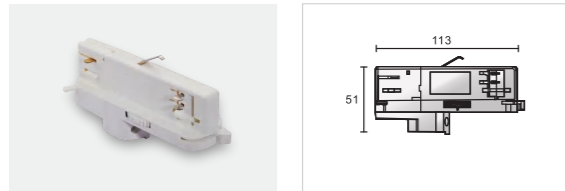


Model No.	Model No.	Package	Colour
Pro-D680-3M-W	Pro-D680-5M-W	1 / 30	White □
Pro-D680-3M-S	Pro-D680-5M-S	1 / 30	Silver ■
Pro-D680-3M-B	Pro-D680-5M-B	1 / 30	Black ■

**Application Diagram**

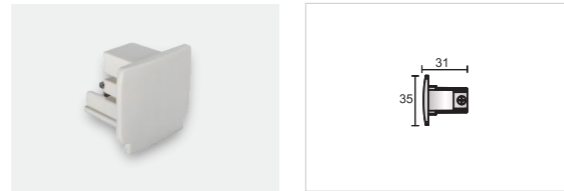


**DALI Adaptor**



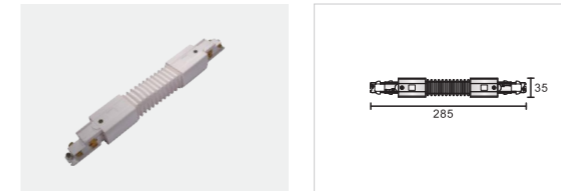
Model No.	Package	Colour
Pro-D680-W	1 / 150	White □
Pro-D680-S	1 / 150	Silver ■
Pro-D680-B	1 / 150	Black ■

**End Cap**



Model No.	Package	Colour
Pro-0432-W	1 / 500	White □
Pro-0432-S	1 / 500	Silver ■
Pro-0432-B	1 / 500	Black ■

**Flexible Connector**



Model No.	Package	Colour
Pro-D639 R-W	1 / 98	White □
Pro-D639 R-S	1 / 98	Silver ■
Pro-D639 R-B	1 / 98	Black ■

**“+” Connector**



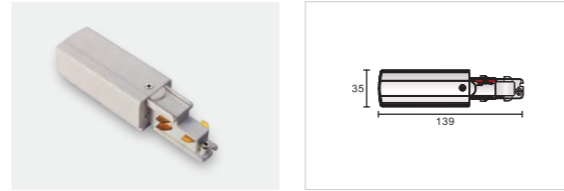
Model No.	Package	Colour
Pro-D637-W	1 / 56	White □
Pro-D637-S	1 / 56	Silver ■
Pro-D637-B	1 / 56	Black ■

**Live-End Connector**



Model No.	Package	Colour
Pro-D631 L-W	1 / 120	White □
Pro-D631 L-S	1 / 120	Silver ■
Pro-D631 L-B	1 / 120	Black ■

**Live-End Connector**



Model No.	Package	Colour
Pro-D631 R-W	1 / 120	White □
Pro-D631 R-S	1 / 120	Silver ■
Pro-D631 R-B	1 / 120	Black ■

**“T” Connector**



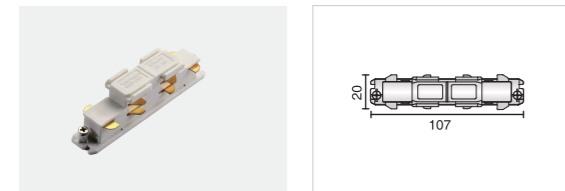
Model No.	Package	Colour
Pro-D636 L1-W	1 / 63	White □
Pro-D636 L1-S	1 / 63	Silver ■
Pro-D636 L1-B	1 / 63	Black ■

**“T” Connector**



Model No.	Package	Colour
Pro-D636 L2-W	1 / 63	White □
Pro-D636 L2-S	1 / 63	Silver ■
Pro-D636 L2-B	1 / 63	Black ■

**Mini Joiner**



Model No.	Package	Colour
Pro-D633-W	1 / 300	White □
Pro-D633-S	1 / 300	Silver ■
Pro-D633-B	1 / 300	Black ■

**Middle Connector**



Model No.	Package	Colour
Pro-D634-W	1 / 140	White □
Pro-D634-S	1 / 140	Silver ■
Pro-D634-B	1 / 140	Black ■

**“T” Connector**



Model No.	Package	Colour
Pro-D636 R1-W	1 / 63	White □
Pro-D636 R1-S	1 / 63	Silver ■
Pro-D636 R1-B	1 / 63	Black ■

**“T” Connector**



Model No.	Package	Colour
Pro-D636 R2-W	1 / 63	White □
Pro-D636 R2-S	1 / 63	Silver ■
Pro-D636 R2-B	1 / 63	Black ■

**“L” Connector**

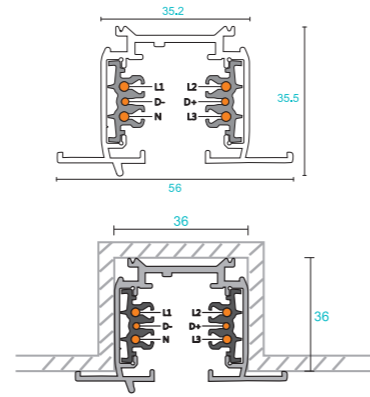
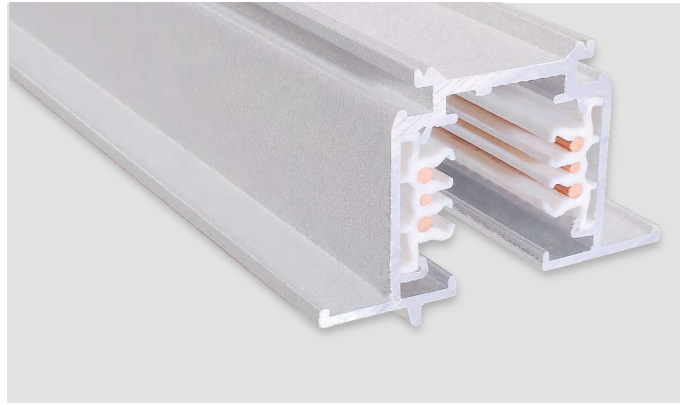


Model No.	Package	Colour
Pro-D635 L-W	1 / 112	White □
Pro-D635 L-S	1 / 112	Silver ■
Pro-D635 L-B	1 / 112	Black ■

**“L” Connector**

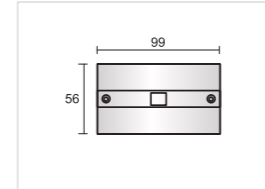


Model No.	Package	Colour
Pro-D635 R-W	1 / 112	White □
Pro-D635 R-S	1 / 112	Silver ■
Pro-D635 R-B	1 / 112	Black ■



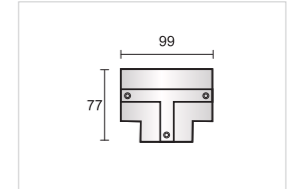
Model No	Track length	Shell Material	Colour	Package
Pro-0610-W / Pro-0610-S / Pro-0610-B	1M track actual one meter.(100cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-0620-W / Pro-0620-S / Pro-0620-B	2M track actual one meter(200cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-0630-W / Pro-0630-S / Pro-0630-B	3M track actual one meter(300cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-06400-W / Pro-06400-S / Pro-06400-B	4M track actual one meter(400cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9

**Middle Connector Cover**



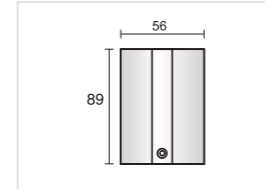
Model No.	Package	Colour
Pro-R434-W	1 / 400	White □
Pro-R434-S	1 / 400	Silver ■
Pro-R434-B	1 / 400	Black ■

**“T” Connector Cover**



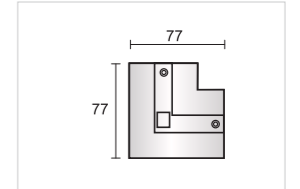
Model No.	Package	Colour
Pro-R436-W	1 / 400	White □
Pro-R436-S	1 / 400	Silver ■
Pro-R436-B	1 / 400	Black ■

**Live-end Connector Cover**



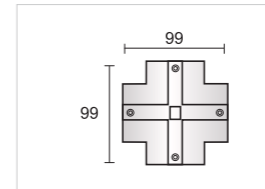
Model No.	Package	Colour
Pro-R631-W	1 / 400	White □
Pro-R631-S	1 / 400	Silver ■
Pro-R631-B	1 / 400	Black ■

**“L” Connector Cover**

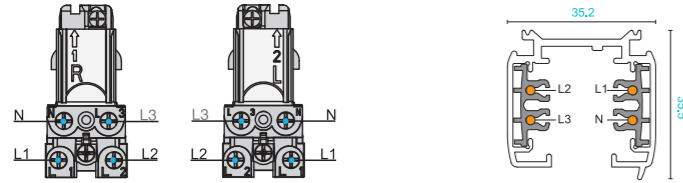
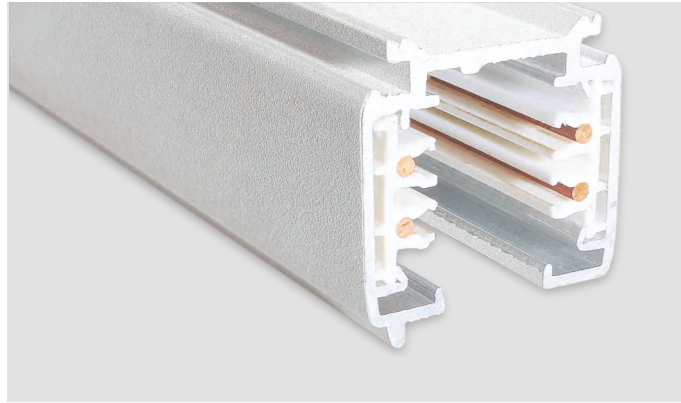


Model No.	Package	Colour
Pro-R435-W	1 / 400	White □
Pro-R435-S	1 / 400	Silver ■
Pro-R435-B	1 / 400	Black ■

**“+” Connector Cover**



Model No.	Package	Colour
Pro-R437-W	1 / 400	White □
Pro-R437-S	1 / 400	Silver ■
Pro-R437-B	1 / 400	Black ■



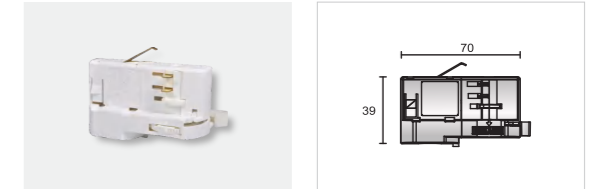
Model No.	Track length	Shell Material	Colour	Package
Pro-0410-W / Pro-0410-S / Pro-0410-B	1M track actual one meter.(100cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0420-W / Pro-0420-S / Pro-0420-B	2M track actual one meter.(200cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0430-W / Pro-0430-S / Pro-0430-B	3M track actual one meter.(300cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 8
Pro-04400-W / Pro-04400-S / Pro-04400-B	4M track actual one meter.(400cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 6

3 Circuits Adaptor- ULTRA SLIM

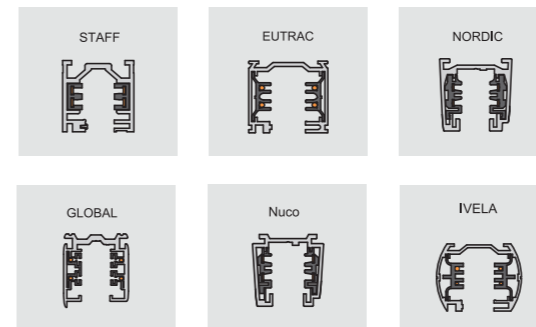


Model No.	Package	Colour
Pro-0440S-W	1 / 150	White □
Pro-0440S-S	1 / 150	Silver ■
Pro-0440S-B	1 / 150	Black ■

3 Circuits Adaptor- SMART

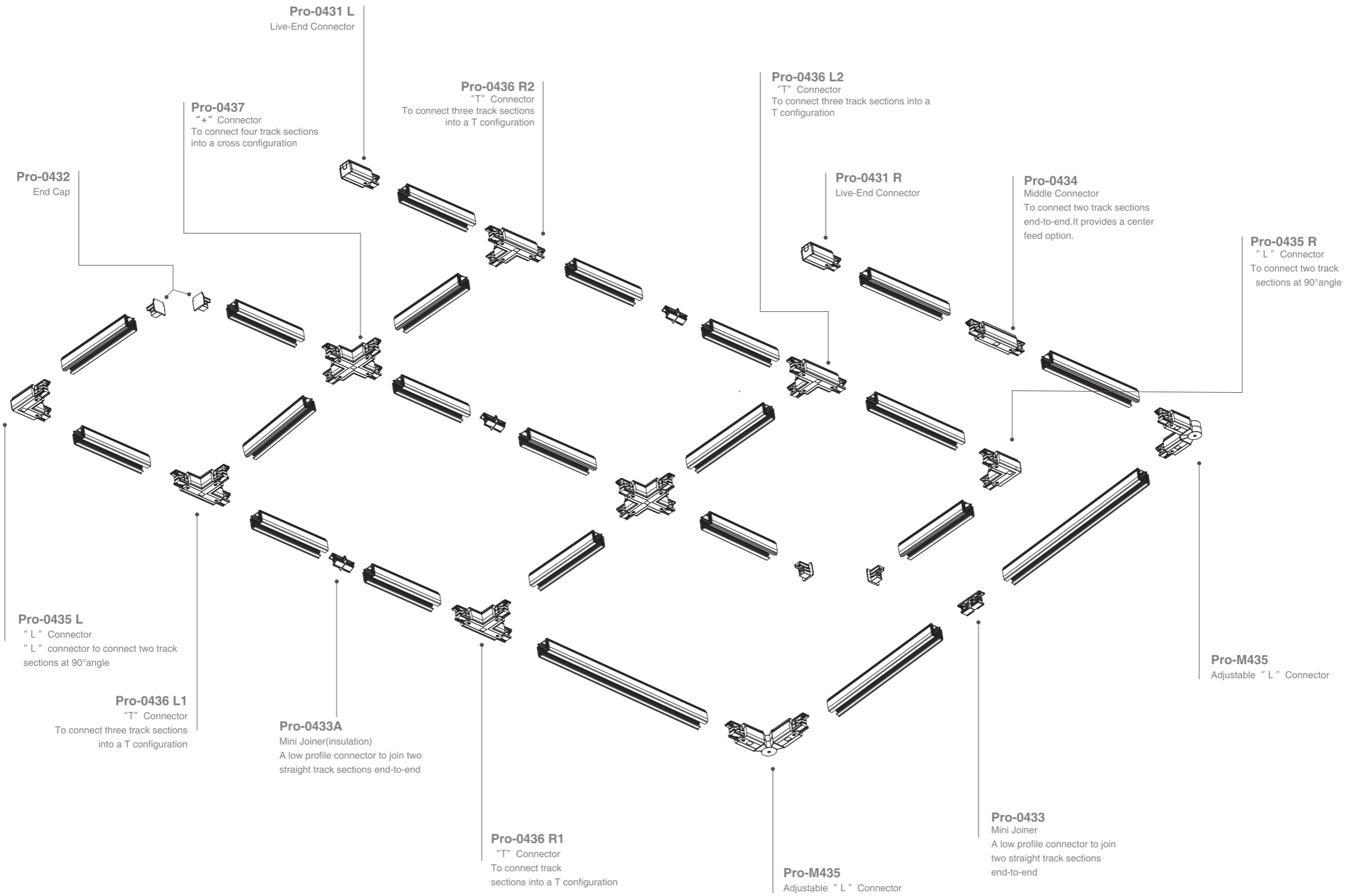


Model No.	Package	Colour
Pro-0222-W	1 / 150	White □
Pro-0222-S	1 / 150	Silver ■
Pro-0222-B	1 / 150	Black ■



3 circuits track adaptor is universal compatible.  
It will work with the following brand track:  
GLOBAL, EUTRAC AND OTHER BRANDS  
ONE PART ADAPT IT ALL!





**Live-End Connector**



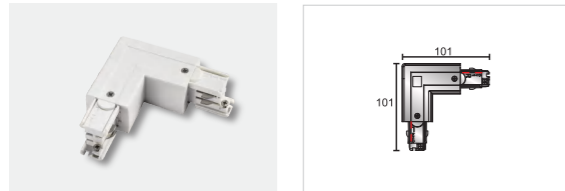
Model No.	Package	Colour
Pro-0431 L-W	1 / 150	White □
Pro-0431 L-S	1 / 150	Silver ■
Pro-0431 L-B	1 / 150	Black ■

**Live-End Connector**



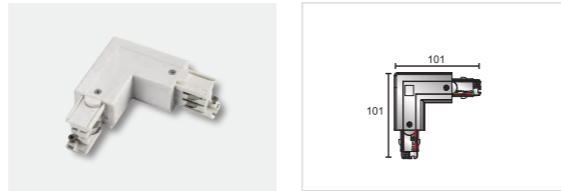
Model No.	Package	Colour
Pro-0431 R-W	1 / 150	White □
Pro-0431 R-S	1 / 150	Silver ■
Pro-0431 R-B	1 / 150	Black ■

**“L” Connector**



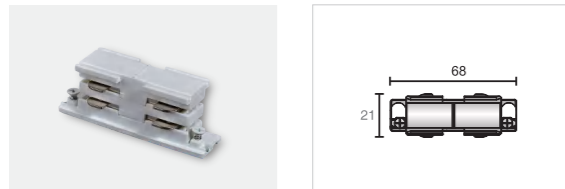
Model No.	Package	Colour
Pro-0435 L-W	1 / 154	White □
Pro-0435 L-S	1 / 154	Silver ■
Pro-0435 L-B	1 / 154	Black ■

**“L” Connector**



Model No.	Package	Colour
Pro-0435 R-W	1 / 154	White □
Pro-0435 R-S	1 / 154	Silver ■
Pro-0435 R-B	1 / 154	Black ■

**Mini Joiner**



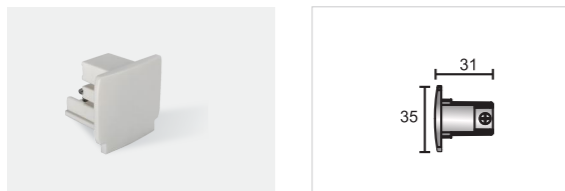
Model No.	Package	Colour
Pro-0433-W	1 / 400	White □
Pro-0433-S	1 / 400	Silver ■
Pro-0433-B	1 / 400	Black ■

**Mini Joiner (insulation)**



Model No.	Package	Colour
Pro-0433A-W	1 / 400	White □
Pro-0433A-S	1 / 400	Silver ■
Pro-0433A-B	1 / 400	Black ■

**End Cap**



Model No.	Package	Colour
Pro-0432-W	1 / 500	White □
Pro-0432-S	1 / 500	Silver ■
Pro-0432-B	1 / 500	Black ■

**Middle Connector**



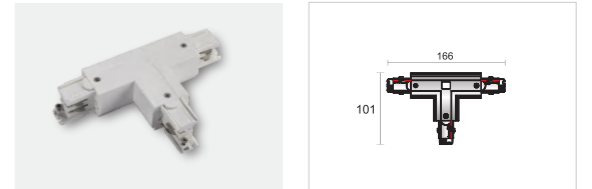
Model No.	Package	Colour
Pro-0434-W	1 / 165	White □
Pro-0434-S	1 / 165	Silver ■
Pro-0434-B	1 / 165	Black ■

**“T” Connector**



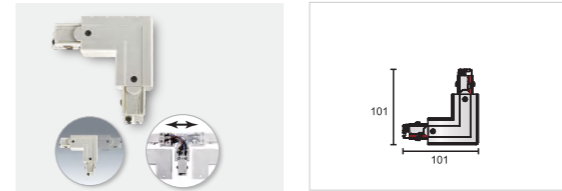
Model No.	Package	Colour
Pro-0436 L1-W	1 / 84	White □
Pro-0436 L1-S	1 / 84	Silver ■
Pro-0436 L1-B	1 / 84	Black ■

**“T” Connector**



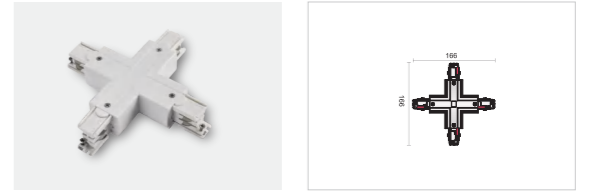
Model No.	Package	Colour
Pro-0436 L2-W	1 / 84	White □
Pro-0436 L2-S	1 / 84	Silver ■
Pro-0436 L2-B	1 / 84	Black ■

**Twisted “L” Connector**



Model No.	Package	Colour
Pro-M438-W	1 / 154	White □
Pro-M438-S	1 / 154	Silver ■
Pro-M438-B	1 / 154	Black ■

**“+” Connector**



Model No.	Package	Colour
Pro-0437-W	1 / 60	White □
Pro-0437-S	1 / 60	Silver ■
Pro-0437-B	1 / 60	Black ■

**“T” Connector**



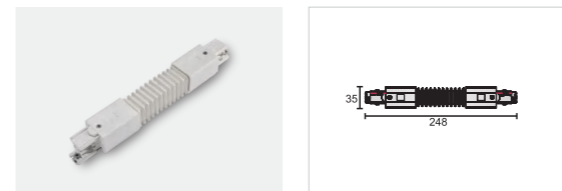
Model No.	Package	Colour
Pro-0436 R1-W	1 / 84	White □
Pro-0436 R1-S	1 / 84	Silver ■
Pro-0436 R1-B	1 / 84	Black ■

**“T” Connector**



Model No.	Package	Colour
Pro-0436 R2-W	1 / 84	White □
Pro-0436 R2-S	1 / 84	Silver ■
Pro-0436 R2-B	1 / 84	Black ■

**Flexible Connector**

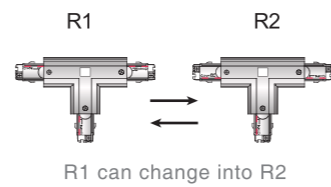
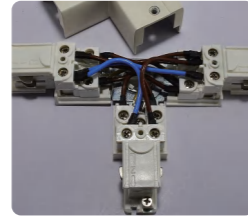
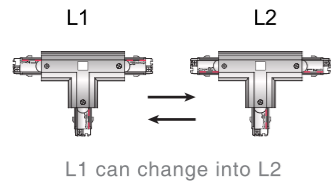


Model No.	Package	Colour
Pro-0439-W	1 / 119	White □
Pro-0439-S	1 / 119	Silver ■
Pro-0439-B	1 / 119	Black ■

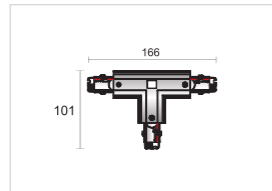
**Adjustable “L” Connector**



Model No.	Package	Colour
Pro-M435-W	1 / 119	White □
Pro-M435-S	1 / 119	Silver ■
Pro-M435-B	1 / 119	Black ■

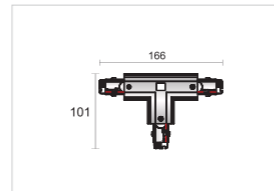


Twisted " L " Connector



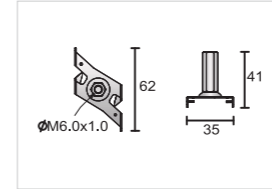
Model No.	Package	Colour
Pro-M436 L-W	1 / 84	White □
Pro-M436 L-S	1 / 84	Silver ■
Pro-M436 L-B	1 / 84	Black ■

Twisted " L " Connector



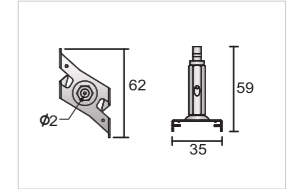
Model No.	Package	Colour
Pro-M436 R-W	1 / 84	White □
Pro-M436 R-S	1 / 84	Silver ■
Pro-M436 R-B	1 / 84	Black ■

Ceiling mount, EZCLIK suspension kit with ROD



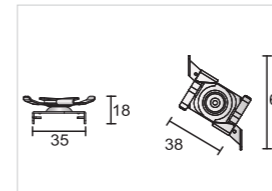
Model No.	Package	Colour
Pro-EZ0447-W	1 / 200	White □
Pro-EZ0447-S	1 / 200	Silver ■
Pro-EZ0447-B	1 / 200	Black ■

Ceiling mount, EZCLIK suspension kit with wire

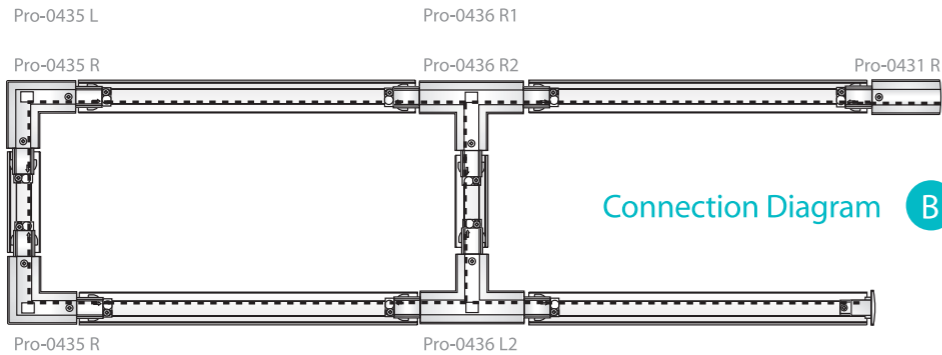
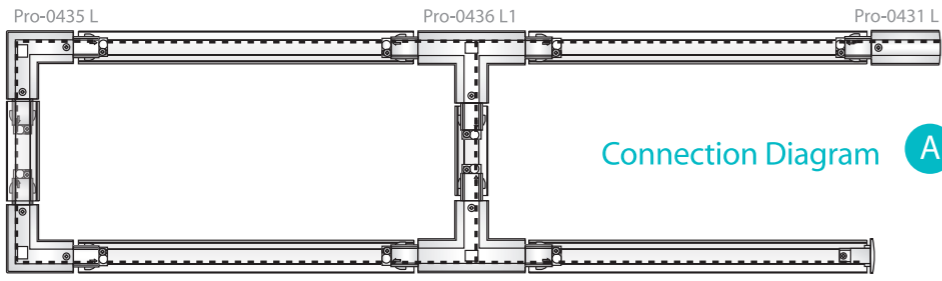


Model No.	Package	Colour
Pro-EZ0448-W	1 / 200	White □
Pro-EZ0448-S	1 / 200	Silver ■
Pro-EZ0448-B	1 / 200	Black ■

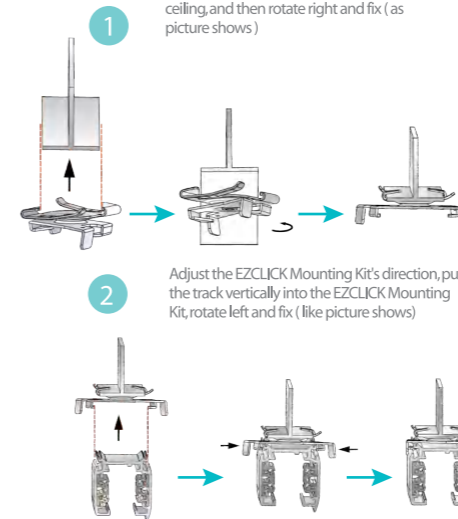
T-Bar, EZCLIK mounting kit



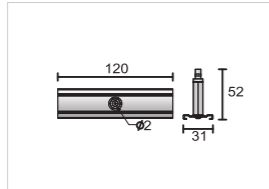
Model No.	Package	Colour
Pro-M146T-W	1 / 500	White □
Pro-M146T-S	1 / 500	Silver ■
Pro-M146T-B	1 / 500	Black ■



Suspension Mounting Kits Manual

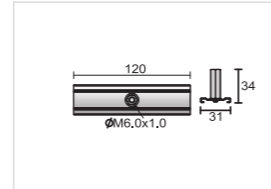


**Ceiling mount,**  
Reinforcement Plate with suspension wire



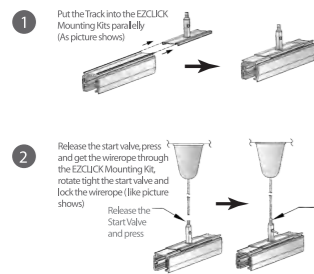
Model No.	Package	Colour
Pro-M147-W	1 / 200	White □
Pro-M147-S	1 / 200	Silver ■
Pro-M147-B	1 / 200	Black ■

**Ceiling mount,**  
Reinforcement Plate with suspension rod

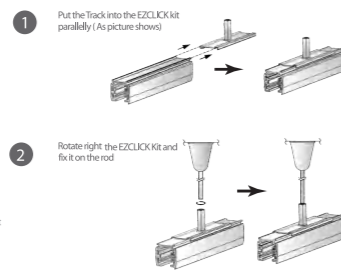


Model No.	Package	Colour
Pro-M148-W	1 / 200	White □
Pro-M148-S	1 / 200	Silver ■
Pro-M148-B	1 / 200	Black ■

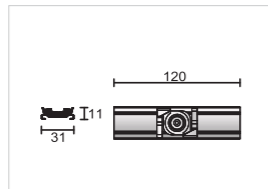
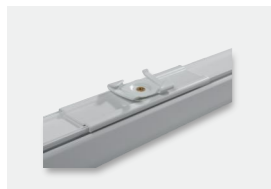
**Suspension Mounting Kits Manual**



**Suspension Mounting Kits Manual**

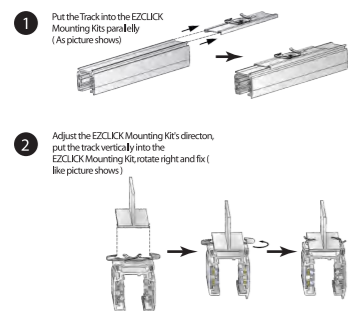


**T-Bar, EZCLIK**  
with Reinforcement Plate

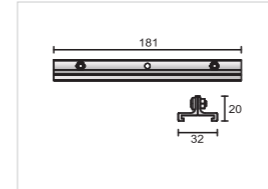


Model No.	Package	Colour
Pro-M149-W	1 / 200	White □
Pro-M149-S	1 / 200	Silver ■
Pro-M149-B	1 / 200	Black ■

**Suspension Mounting Kits Manual**

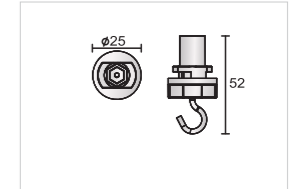


**Suspension Clamp for track connection**



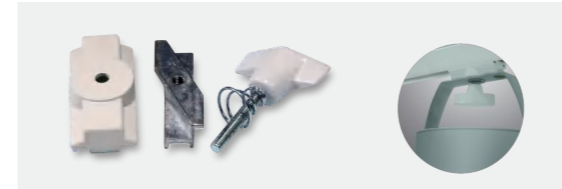
Model No.	Package	Colour
Pro-0418 SK-W	1 / 100	White □
Pro-0418 SK-S	1 / 100	Silver ■
Pro-0418 SK-B	1 / 100	Black ■

**Suspension Hook**



Model No.	Package	Colour
Pro-M142-W	1 / 500	White □
Pro-M142-S	1 / 500	Silver ■
Pro-M142-B	1 / 500	Black ■

**Mechanical adaptor**



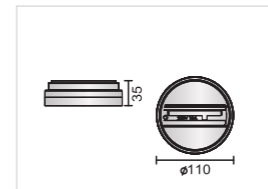
Model No.	Package	Colour
Pro-0449-W	1 / 100	White □
Pro-0449-S	1 / 100	Silver ■
Pro-0449-B	1 / 100	Black ■

**Suspension kit**



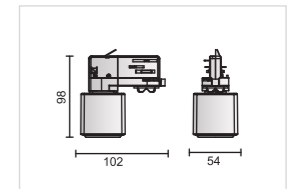
Model No.	Package	Colour
Pro-04SK-W	1 / 100	White □
Pro-04SK-S	1 / 100	Silver ■
Pro-04SK-B	1 / 100	Black ■

**Fixed Monopoint Track Adapter**



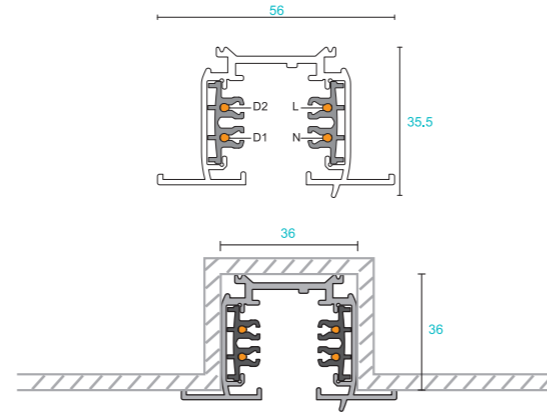
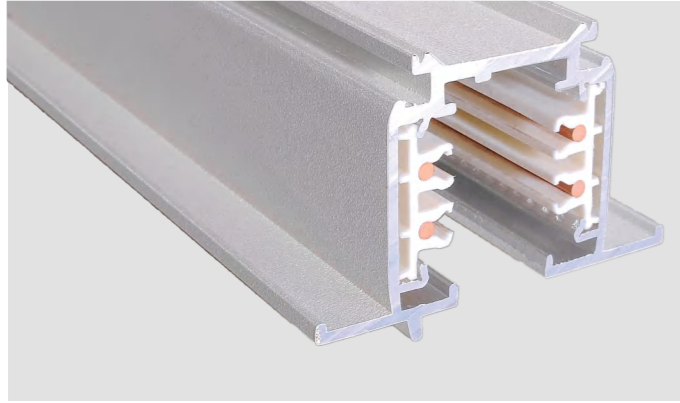
Model No.	Package	Colour
Pro-C100-W	1 / 50	White □
Pro-C100-S	1 / 50	Silver ■
Pro-C100-B	1 / 50	Black ■

**Euro-trac mount electrical outlet**



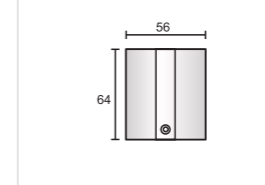
Model No.	Package	Colour
Pro-4230V-W	1 / 50	White □
Pro-4230V-B	1 / 50	Black ■





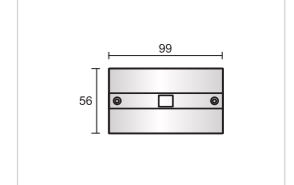
Model No.	Track length	Shell Material	Colour	Package
Pro-R410-W / Pro-R410-S / Pro-R410-B	1M track actual one meter.(100cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-R420-W / Pro-R420-S / Pro-R420-B	2M track actual one meter.(200cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-R430-W / Pro-R430-S / Pro-R430-B	3M track actual one meter.(300cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 6
Pro-R4400-W / Pro-R4400-S / Pro-R4400-B	4M track actual one meter.(400cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 6

**Live-end Connector Cover**



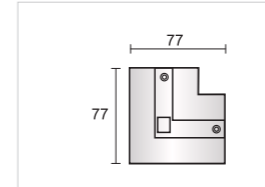
Model No.	Package	Colour
Pro-R431-W	1 / 500	White □
Pro-R431-S	1 / 500	Silver ■
Pro-R431-B	1 / 500	Black ■

**Middle Connector Cover**



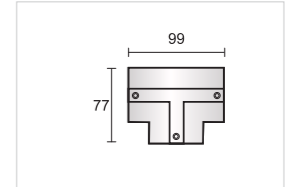
Model No.	Package	Colour
Pro-R434-W	1 / 400	White □
Pro-R434-S	1 / 400	Silver ■
Pro-R434-B	1 / 400	Black ■

**“L” Connector Cover**



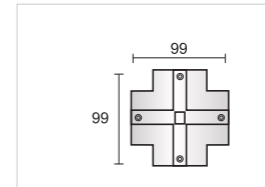
Model No.	Package	Colour
Pro-R435-W	1 / 400	White □
Pro-R435-S	1 / 400	Silver ■
Pro-R435-B	1 / 400	Black ■

**“T” Connector Cover**

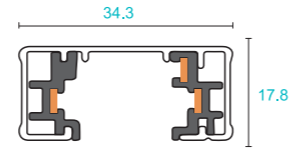
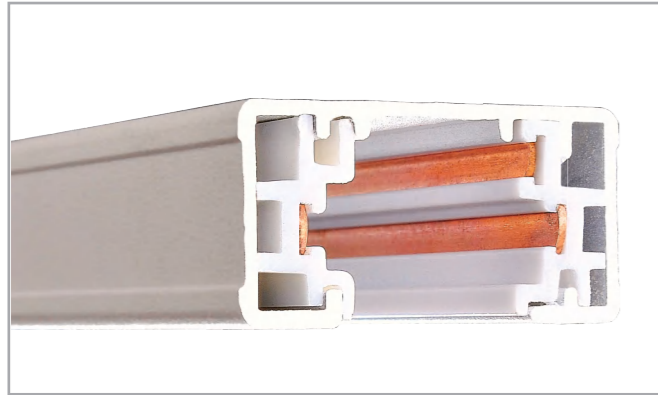


Model No.	Package	Colour
Pro-R436-W	1 / 400	White □
Pro-R436-S	1 / 400	Silver ■
Pro-R436-B	1 / 400	Black ■

**“+” Connector Cover**



Model No.	Package	Colour
Pro-R437-W	1 / 400	White □
Pro-R437-S	1 / 400	Silver ■
Pro-R437-B	1 / 400	Black ■



Model No.	Track length	Shell Material	Colour	Package
Pro-0310A	1M track with double end cap.(100cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0320A	2M track with double end cap.(200cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0330A	3M track with double end cap.(300cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-03400A	4M track with double end cap.(400cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-0302A	2'track with double end cap actual length24"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0304A	4'track with double end cap actual length48"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0306A	6'track with double end cap actual length72"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-0308A	8'track with double end cap actual length96"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12

3 wires adaptor Halo compatible



Model No.	Package	Colour
Pro-A340S-W	1 / 150	White □
Pro-A340S-S	1 / 150	Silver ■
Pro-A340S-B	1 / 150	Black ■

3 wires adaptor Halo compatible



Model No.	Package	Colour
Pro-0340S-W	1 / 150	White □
Pro-0340S-S	1 / 150	Silver ■
Pro-0340S-B	1 / 150	Black ■

3 wires adaptor Halo compatible

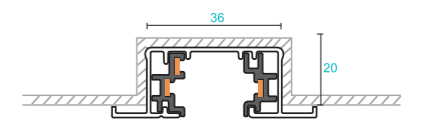
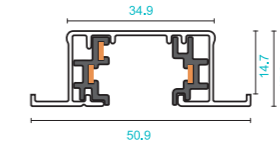
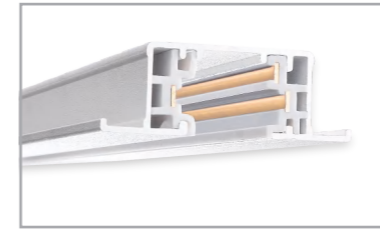


Model No.	Package	Colour
Pro-0340-W	1 / 350	White □
Pro-0340-S	1 / 350	Silver ■
Pro-0340-B	1 / 350	Black ■

3 wires adaptor Halo compatible



Model No.	Package	Colour
Pro-0340L-W	1 / 150	White □
Pro-0340L-S	1 / 150	Silver ■
Pro-0340L-B	1 / 150	Black ■



Model No.	Track length	Shell Material	Colour	Package
Pro-R310A	1M track with double end cap.(100cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-R320A	2M track with double end cap.(200cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-R330A	3M track with double end cap.(300cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-R3400A	4M track with double end cap.(400cm)	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 9
Pro-R302A	2'track with double end cap actual length24"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-R304A	4'track with double end cap actual length48"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-R306A	6'track with double end cap actual length72"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12
Pro-R308A	8'track with double end cap actual length96"	Aluminum Extrusion	White □ Silver ■ Black ■	1 / 12

Live-end Connector Cover



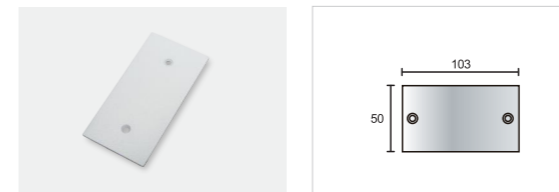
Model No.	Package	Colour
Pro-R331-W	1 / 500	White □
Pro-R331-S	1 / 500	Silver ■
Pro-R331-B	1 / 500	Black ■

"L" Connector Cover



Model No.	Package	Colour
Pro-R335-W	1 / 400	White □
Pro-R335-S	1 / 400	Silver ■
Pro-R335-B	1 / 400	Black ■

Middle Connector Cover



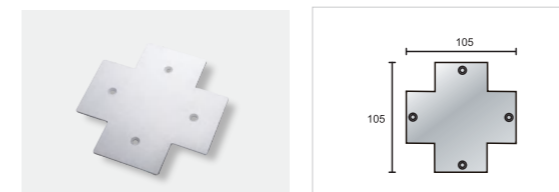
Model No.	Package	Colour
Pro-R334-W	1 / 400	White □
Pro-R334-S	1 / 400	Silver ■
Pro-R334-B	1 / 400	Black ■

"T" Connector Cover

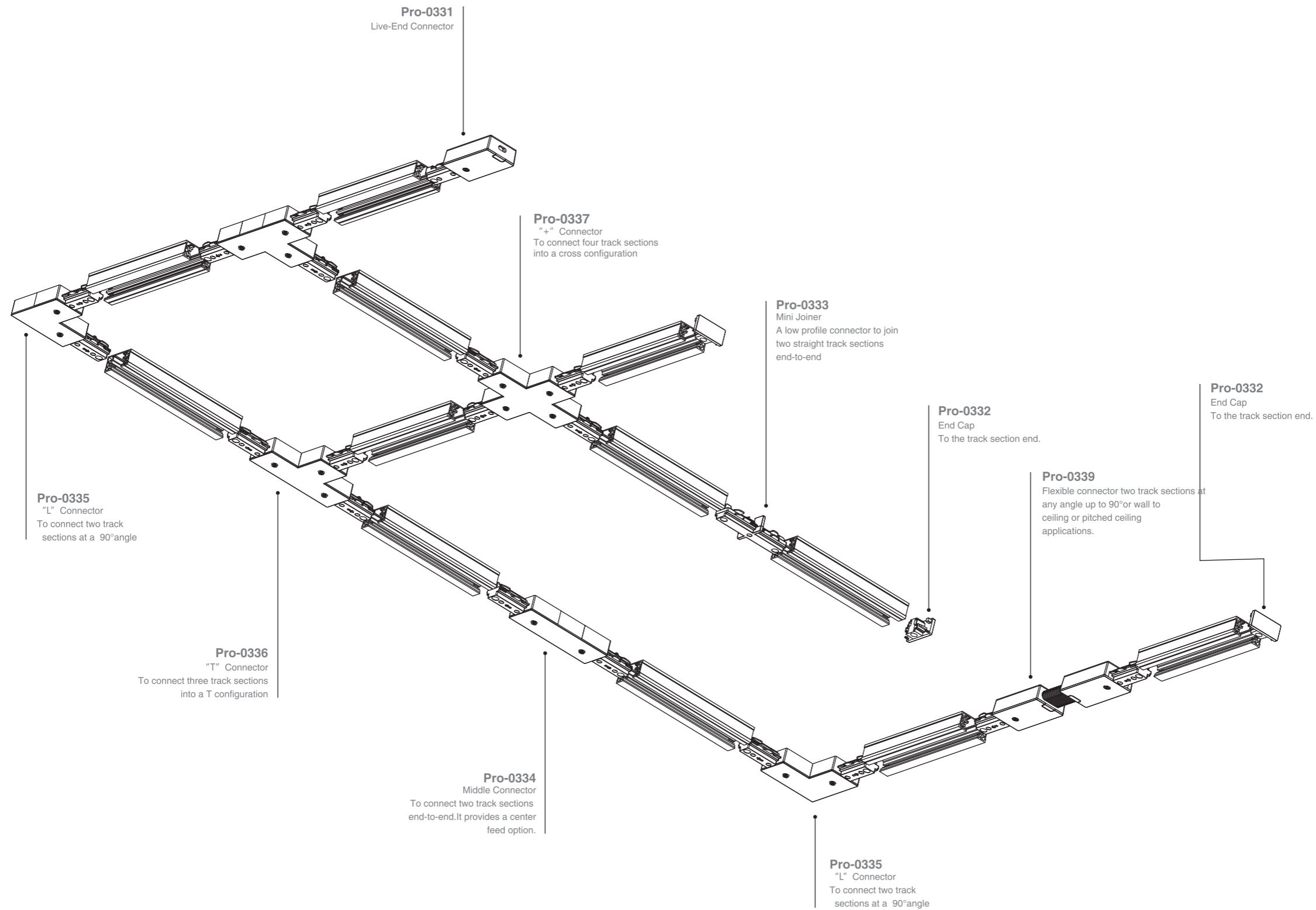


Model No.	Package	Colour
Pro-R336-W	1 / 400	White □
Pro-R336-S	1 / 400	Silver ■
Pro-R336-B	1 / 400	Black ■

"+" Connector Cover



Model No.	Package	Colour
Pro-R337-W	1 / 400	White □
Pro-R337-S	1 / 400	Silver ■
Pro-R337-B	1 / 400	Black ■



**Live-End Connector**



Model No.	Package	Colour
Pro-0331-W	1 / 150	White □
Pro-0331-S	1 / 150	Silver ■
Pro-0331-B	1 / 150	Black ■

**Mini Joiner**



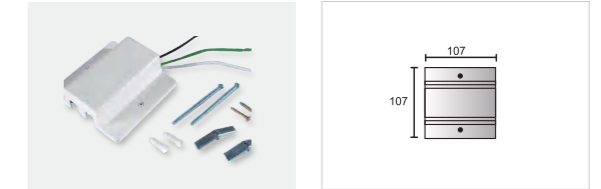
Model No.	Package	Colour
Pro-0333-W	1 / 400	White □
Pro-0333-S	1 / 400	Silver ■
Pro-0333-B	1 / 400	Black ■

**End Cap**



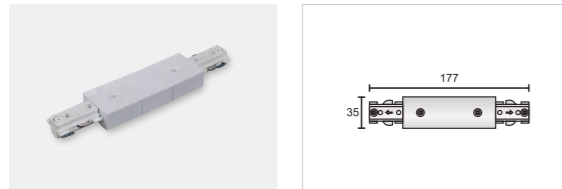
Model No.	Package	Colour
Pro-0332-W	1 / 1000	White □
Pro-0332-S	1 / 1000	Silver ■
Pro-0332-B	1 / 1000	Black ■

**Floating canopy**



Model No.	Package	Colour
Pro-0341-W	1 / 60	White □
Pro-0341-S	1 / 60	Silver ■
Pro-0341-B	1 / 60	Black ■

**Middle Connector**



Model No.	Package	Colour
Pro-0334-W	1 / 228	White □
Pro-0334-S	1 / 228	Silver ■
Pro-0334-B	1 / 228	Black ■

**“L” Connector**



Model No.	Package	Colour
Pro-0335-W	1 / 160	White □
Pro-0335-S	1 / 160	Silver ■
Pro-0335-B	1 / 160	Black ■

**Outlet box cover**



Model No.	Package	Colour
Pro-0342-W	1 / 200	White □
Pro-0342-S	1 / 200	Silver ■
Pro-0342-B	1 / 200	Black ■

**Monopoint**



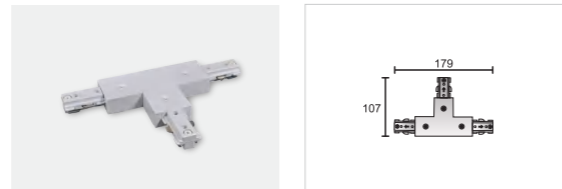
Model No.	Package	Colour
Pro-0343-W	1 / 200	White □
Pro-0343-S	1 / 200	Silver ■
Pro-0343-B	1 / 200	Black ■

**Current limiter**



Model No.	Package	Colour
Pro-3001-W	1 / 60	White □
Pro-3001-S	1 / 60	Silver ■
Pro-3001-B	1 / 60	Black ■

**“T” Connector**



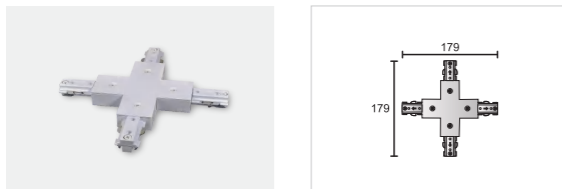
Model No.	Package	Colour
Pro-0336-W	1 / 108	White □
Pro-0336-S	1 / 108	Silver ■
Pro-0336-B	1 / 108	Black ■

**Suspension kit**



Model No.	Package	Colour
Pro-0348-W	1 / 500	White □
Pro-0348-S	1 / 500	Silver ■
Pro-0348-B	1 / 500	Black ■

**“+” Connector**



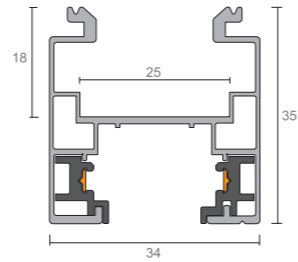
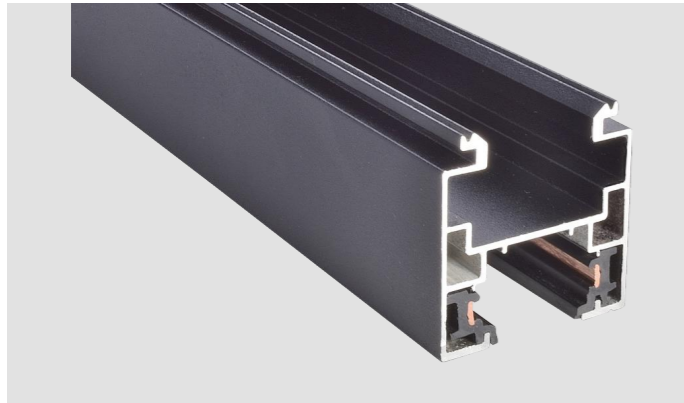
Model No.	Package	Colour
Pro-0337-W	1 / 60	White □
Pro-0337-S	1 / 60	Silver ■
Pro-0337-B	1 / 60	Black ■

**Flexible Connector**



Model No.	Package	Colour
Pro-0339-W	1 / 60	White □
Pro-0339-S	1 / 60	Silver ■
Pro-0339-B	1 / 60	Black ■





Model No	Track length	Shell Material	Colour	Package
PRO-N310	100cm	Aluminum Extrusion	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>	1 / 6
PRO-N320	200cm	Aluminum Extrusion	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>	1 / 6
PRO-N330	300cm	Aluminum Extrusion	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>	1 / 6

“T” Connector



Model No.	Package	Colour
PRO-N336	N/A	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>

Ceiling Mount EZ Click



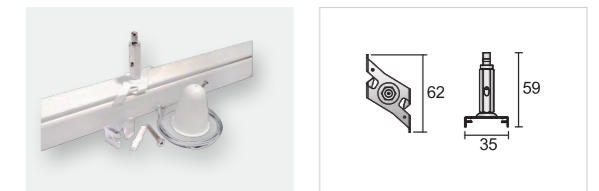
Model No.	Package	Colour
PRO-N3146	N/A	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>

Ceiling mount, EZCLICK suspension kit with rod



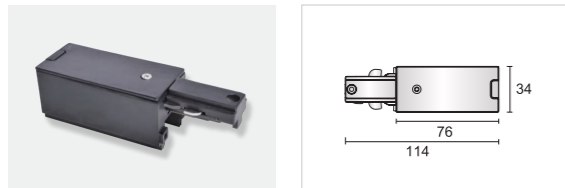
Model No.	Package	Colour
PRO-EZ0447-W	1 / 200	White <input type="checkbox"/>
PRO-EZ0447-B	1 / 200	Black <input checked="" type="checkbox"/>

Ceiling mount, EZCLICK suspension kit with wire



Model No.	Package	Colour
PRO-EZ0448-W	1 / 200	White <input type="checkbox"/>
PRO-EZ0448-B	1 / 200	Black <input checked="" type="checkbox"/>

Live-end Connector



Model No.	Package	Colour
PRO-N331	N/A	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>

End Cap



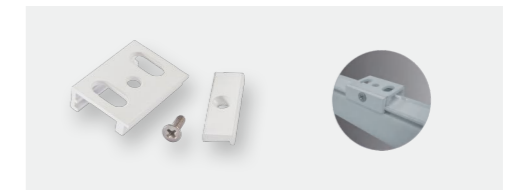
Model No.	Package	Colour
PRO-N332	N/A	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>

Suspension clamp for track connection



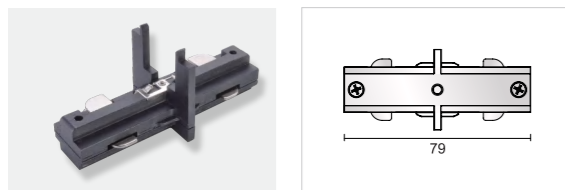
Model No.	Package	Colour
PRO-0418SK-W	1 / 100	White <input type="checkbox"/>
PRO-0418SK-B	1 / 100	Black <input checked="" type="checkbox"/>

Suspension kit



Model No.	Package	Colour
PRO-04SK-W	1 / 100	White <input type="checkbox"/>
PRO-04SK-B	1 / 100	Black <input checked="" type="checkbox"/>

“I” Connector



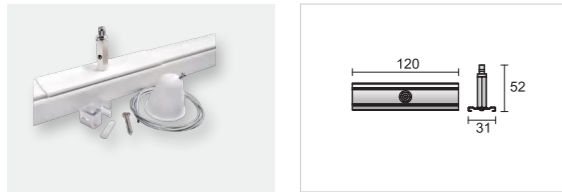
Model No.	Package	Colour
PRO-N333	N/A	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>

“L” Connector



Model No.	Package	Colour
PRO-N335	N/A	White <input type="checkbox"/> Black <input checked="" type="checkbox"/>

**Ceiling mount**  
Reinforcement Plate with suspension wire



Model No.	Package	Colour
PRO-M147-W	1 / 200	White □
PRO-M147-B	1 / 200	Black ■

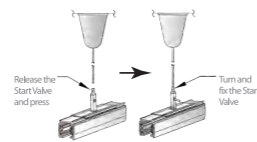
**Ceiling mount**  
Reinforcement Plate with suspension rod



Model No.	Package	Colour
PRO-M148-W	1 / 200	White □
PRO-M148-B	1 / 200	Black ■

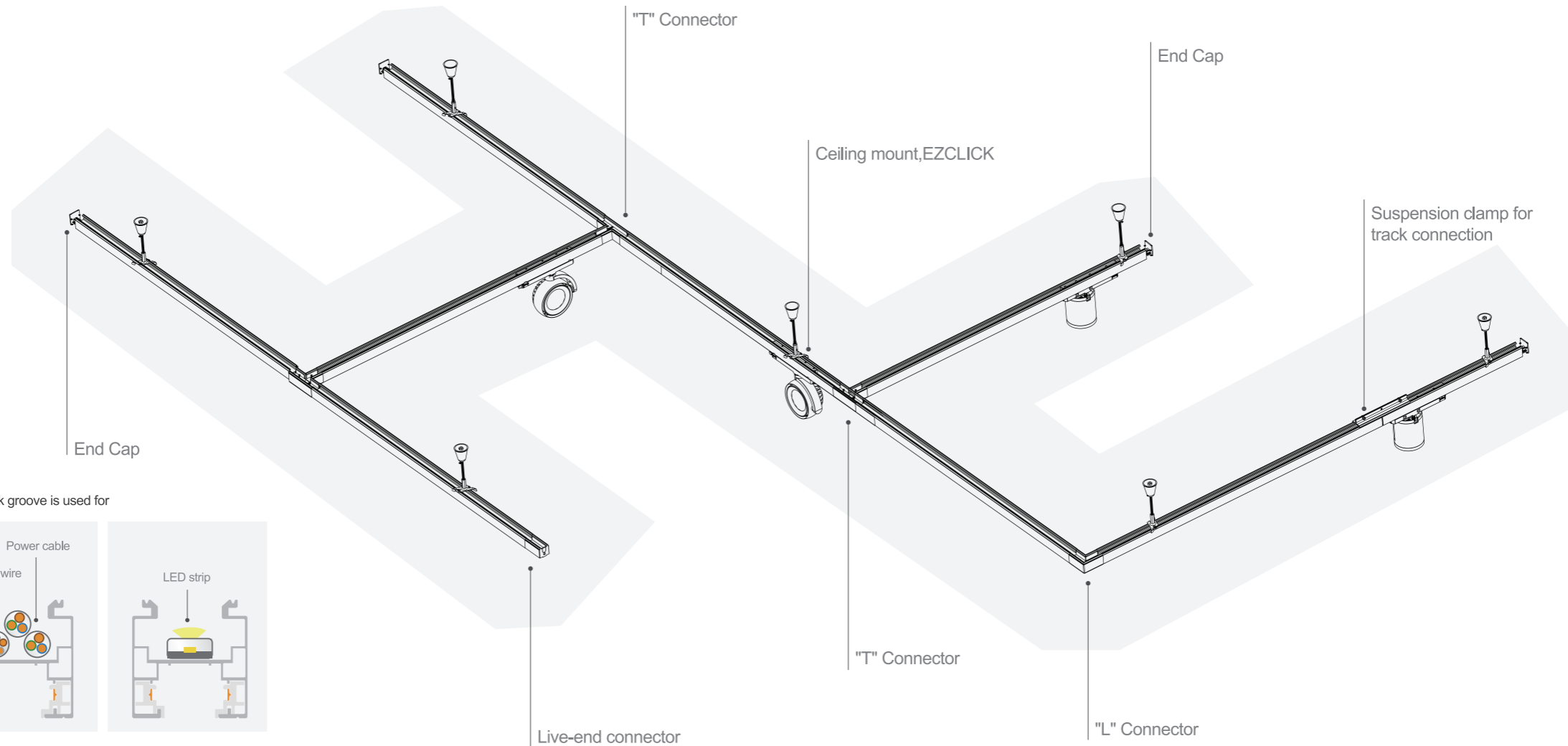
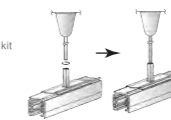
**Suspension Mounting Kits Manual**

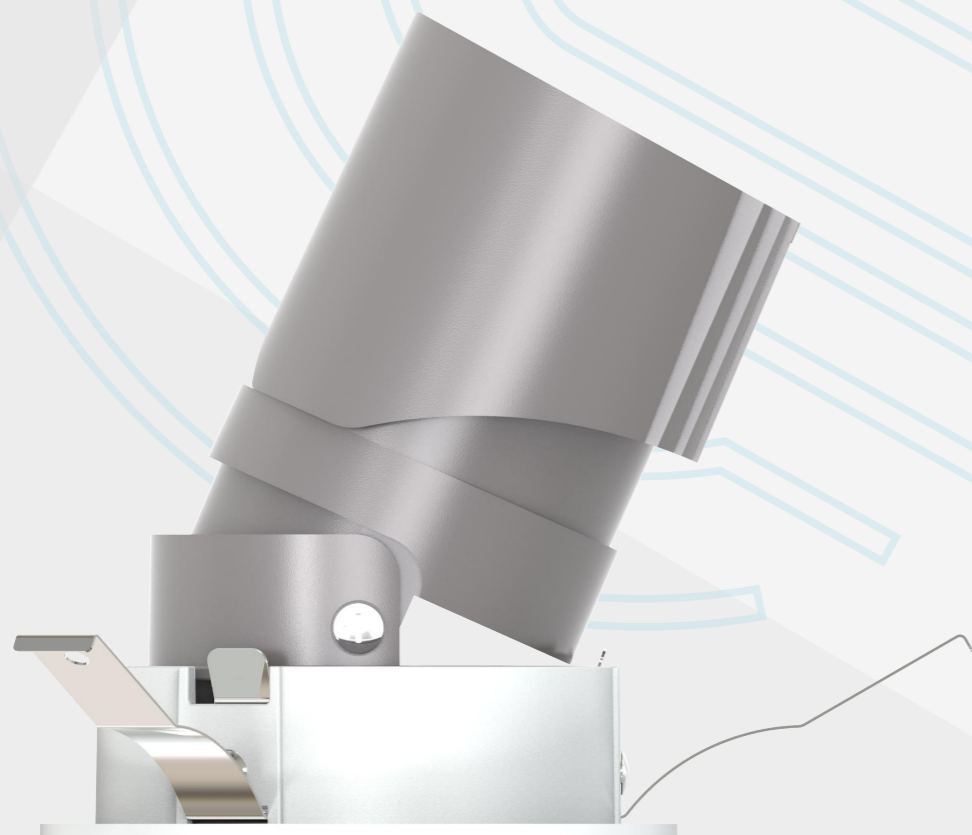
- Put the track into the EZCLICK mounting kits parallelly (as picture shows)
- Release the start valve, press and get the wirerope through the EZCLICK mounting kit, rotate tight the start valve and lock the wirerope (as picture shows)



**Suspension Mounting Kits Manual**

- Put the track into the EZCLICK kit parallelly (as picture shows)
- Rotate right the EZCLICK kit and fix it on the rod





## ELLA

LED Downlight System

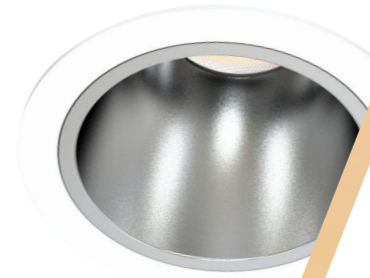
**Super  
Modular  
Design  
Brings  
Infinite  
Possibilities!**



ELLA is the latest evolution of VILLA downlight system. In addition to aesthetic design, precise light control and great UGR, the versatility of ELLA, underwritten by its compact format and super modular design, one LED Module shares numerous mounting rings, display particular strength in hotels, residential, or any indoor commercial environments. Round as well as square designs with adjustable and fixed options, in various wattages enable nuanced adaptations to different needs.

# ELLA

LED Downlight System



*HOTEL*

*RESIDENTIAL*

*COMMERCIAL*

*DEEP ANTI-GLARE*

*WALL WASHER*

Anti-glare  
Accessory

Beam lens

LED Module

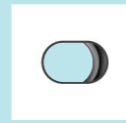
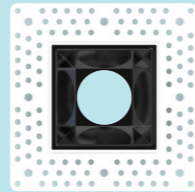
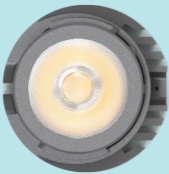
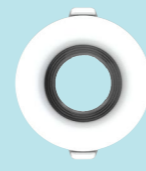
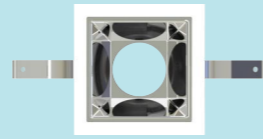
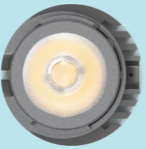
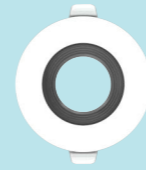
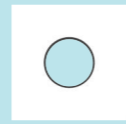
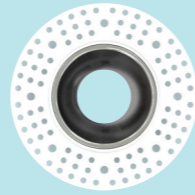
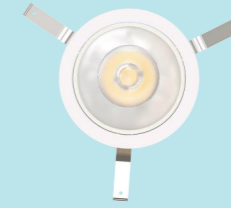
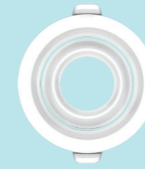
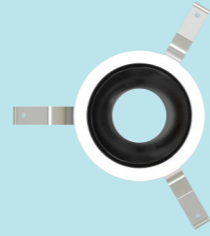
Hotel  
Mounting Ring

Residential  
Mounting Ring

Commercial  
Mounting Ring

Deep Anti-Glare  
Mounting Ring

Wall Washer  
Mounting Ring



# ELLA

LED Downlight System

ELLA OVERVIEW

ELLA LED DOWNLIGHT SYSTEM

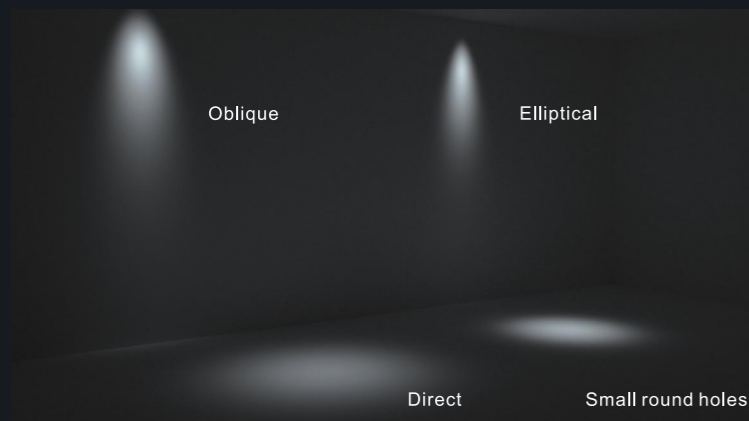
<b>Module</b>													
<b>Category</b>	Hotel		Residential				Commercial		Deep Anti-Glare		Wall Washer		
	Adjustable		Fixed		Adjustable		Fixed		Adjustable		Fixed		
<b>Mounting Ring</b>													
<b>Picture</b>													
<b>Cut-out (mm)</b>													
<b>Trim Diameter (mm)</b>													
<b>Wattage &amp; Luminous Flux</b>	5W 332lm, 8W 440lm, 10W 766lm, 15W 1175lm, 20W 1775lm, 25W 2058lm, 30W 2259lm, 35W 2696lm		5W 347lm, 8W 410lm, 10W 762lm, 15W 1303lm, 20W 1818lm, 25W 1939lm, 30W 2342lm, 35W 2875lm				5W 377lm, 8W 625lm, 10W 802lm, 15W 1134lm, 20W 1827lm, 25W 2021lm, 30W 2435lm, 35W 2842lm		10W 756lm, 15W 1249lm, 20W 1796lm, 25W 2302lm, 30W 2274lm, 35W 2698lm		10W 798lm, 15W 1245lm		
<b>Beam Angle(°)</b>	15°, 24°, 38°, 55°		15°, 24°, 38°, 55°				15°, 24°, 38°, 55°		15°, 24°, 38°, 55°		15°, 24°, 38°, 55°		15°, 24°, 38°, 55°
<b>Color Temperature</b>	2700K 3000K 4000K		2700K 3000K 4000K				2700K 3000K 4000K		2700K 3000K 4000K		2700K 3000K 4000K		2700K 3000K 4000K
<b>Color Rendering Index_CRI</b>	80+, 90+		80+, 90+				80+, 90+		80+, 90+		80+, 90+		80+, 90+
<b>Dimming Control</b>	On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI				On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI
<b>Trimless Version</b>													
			<b>Anti-glare Accessory</b>										
<b>Secondary Reflector</b>													
			<b>Ceiling thickness</b>										
<b>Pendant</b>							8mm-20mm		5mm-20mm		1mm-20mm		

## Light Quality

## Anti-glare

### • Light

Light is an experience.  
 Light creates unique atmospheres.  
 Thanks to combination of a precision light beam lens and secondary reflector, ELLA releases a high quality light in the end.  
 The light direction can be tilt 30° to wash the wall or face to the floor with clean & smooth light distribution.



### • Precise control of light

Four kinds of facial rings can be selected to create different light spot atmosphere and outstanding light shape. Optional oblique/direct/elliptical/small round holes.

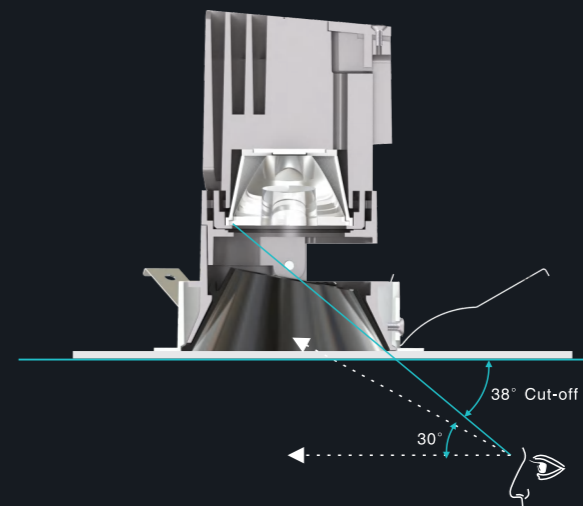
### • Beam angle

Ella has 15°, 24°, 38°, 55° beam angle for your choice, you also can add anti-glare accessories to creates visual comfort.



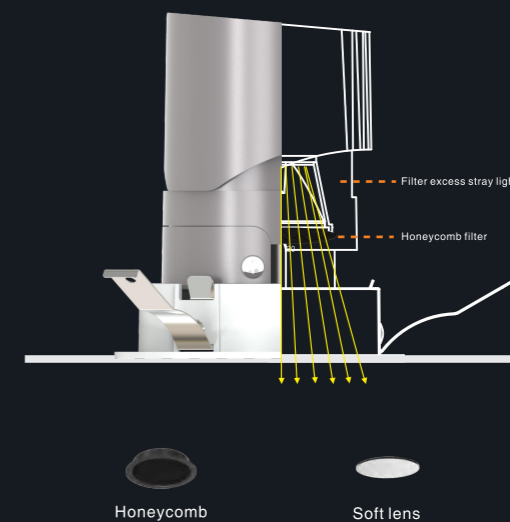
### • Anti-glare

In the glare free angle, there is no direct view of the LED and the visible part of the reflector produces practically no glare at all. This zone offers very high visual comfort.



### • Anti-glare Accessories

Honeycomb filter and soft lens can be added to provide maximum visual comfort.



LED



2700K, 3000K, 3500K, 4000K and 5000K  
CRI80, CRI90, CRI95

RoHS compliant  
Better die arrangement for optics  
Wide range of luminous flux and high efficacy  
Improved lumen density compared with previous version



2700K, 3000K, 3500K, 4000K and 5000K  
CRI80, CRI90, CRI95

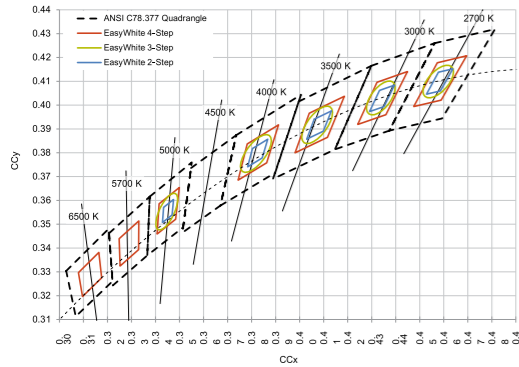
Excellent optical emission uniformity and color over angle consistency  
Exceptional long term color stability  
Superior thermal conductivity for uniform heat spreading  
Environmentally friendly: RoHS and REACH compliant



2700K, 3000K, 3500K, 4000K and 5000K  
CRI80, CRI90, CRI93

115° viewing angle, uniform chromaticity profile  
Top-side solder connections  
Thermocouple attach point  
NEMA SSL-3 2011 standard fluxbins  
RoHS- and reach-compliant  
UL® recognized component(E349212)

Color Tolerance SDCM<3



Step 2: Can't perceive color difference  
Step 3: Difficult to perceive color difference  
Step 4: Can perceive color difference

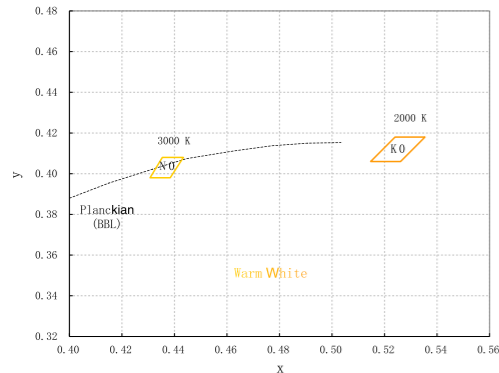
Tunable White



2000K-3000K  
CRI90

High flux density of lighting source  
Good color uniformity  
RoHS compliant  
More energy efficient than incandescent and most halogen lamps  
No UV  
Long lifetime

Color Tolerance SDCM<2



LED Driver Solutions



AC200-240V Market

OSRAM LED Driver



Product description

- Versatile scope of application due to output power range of up to 40 W
- Fulfill safety requirement due to overload, over temperature protection
- High efficiency
- High quality of light thanks to <1% output ripple current
- Small housing for flexible luminaire designs

Functions

- Over voltage protection
- Short-circuit protection
- Over temperature protection
- No-load protection

Standards

- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 62384

BOKE LED Driver



Product description

- 180-264V AC/DC input
- Built in active PFC function
- Flicker-Free, Compatible with IEE1789: 2015 standard
- Bipolar circuit design, stable operation
- Input and output screw fastening design
- Constant current output, support: SCP/OCP/OVP/OTP protections
- Compliance to: ENEC, TUV-CE, SM, RCM, CCC
- 3-year guarantee

Functions

- Over voltage protection
- Short-circuit protection
- Over temperature protection
- No-load protection

Standards

- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547

AC120V Market



EPT Driver



Product description

- Constant current/Constant voltage
- Dual function dimming modes 0-10V/Phase Control
- Very high efficiency up to 90%
- Very small size
- Tc max 90°C Life expectancy of 50,000h at T case ≤ 75°C
- Isolated 0-10V interface
- Output open/short protection
- High dimmer compatibility
- UL Listed
- Class II

Functions

- Under voltage protection
- Over-current and short-circuit protection

Standards

- UL8750
- UL1310 Class 2
- CSA22.2
- FCC-PART-15B
- EN61000-4-2,3,4,5,6,8,11; EN61547

YG LED Driver



Product description

- Safety isolation between primary and secondary
- A rated lifetime of 50,000 hours @ Tc=80°C
- Safety: UL8750, UL1310 Class 2, CSA22.2, EN61347
- EMC: FCC 47CFR Part 15, Class B @ 120V & Class A @ 277V, EN55015
- Inrush Current Limiting Circuitry: AC Power Line: line to line 2 kV, eliminates circuit breaker tripping, switch arcing and relay failure
- Plastic shell, Used with silicone potting. Meet the RoHS directive
- IP65, NEMA4 compliant for Dry, Damp
- 100% performance tested with CHROMA 8000 system at YG factory
- 100% burned in with program-control test system at YG factory, at 50 degrees ambient temperature

Functions

- Under voltage protection
- Over-current and short-circuit protection

Standards

- UL8750
- UL1310 Class 2
- CSA22.2
- FCC-PART-15B
- EN61000-4-2,3,4,5,6,8,11; EN61547



Modular Design

1 LED Module

Beam lens and Honeycomb filter are modular design. Replacing different beam lens or Honeycomb filter without any needs for tools. IP44 is achievable thanks to its waterproof construction design.



2 Mounting Ring (for Hotel version only)

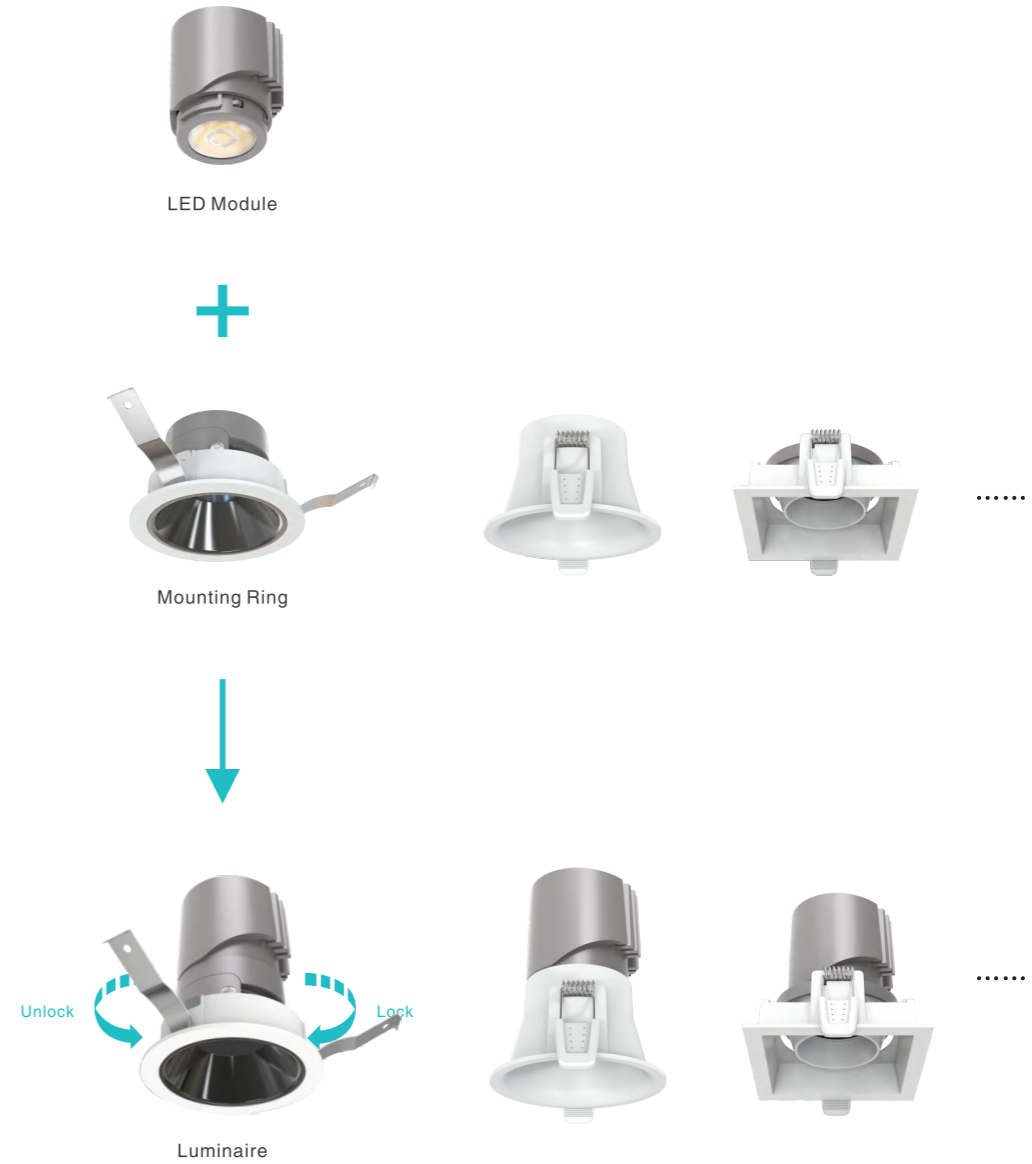
Trim and secondary reflector are modular design (only for ELLA-Hotel series). Easily pull and push to get your preferred trim or trimless ring and colorful secondary reflectors.



Modular Design

3 Luminaire

One LED Module can fit numerous mounting rings! You just simply counterclockwise to change the different mounting ring, and rotate clockwise to fix the mounting ring.



































































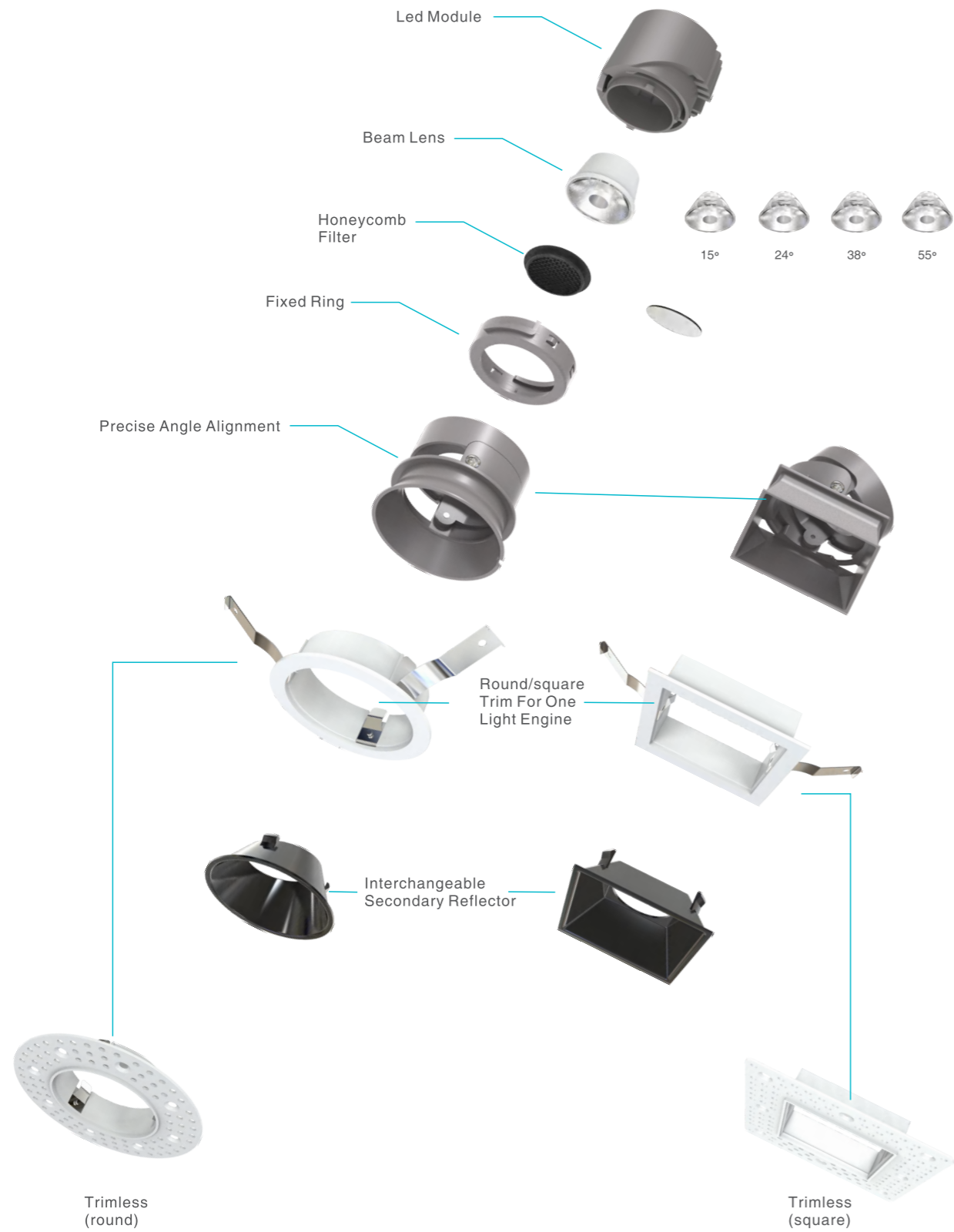


## HOTEL

ELLA-Hotel series is not only an aesthetic designed downlight, but also release high quality light thanks to combination of a precision light beam lens and secondary reflector. The luminaires blend elegantly into the ceiling layout and embody the philosophy of "light instead of luminaires." Super modular design, round as well as square with adjustable and fixed options, in various wattages, ELLA-hotel series is a great choice to get a unified impression in one environment.

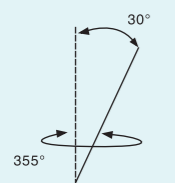
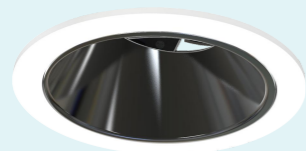
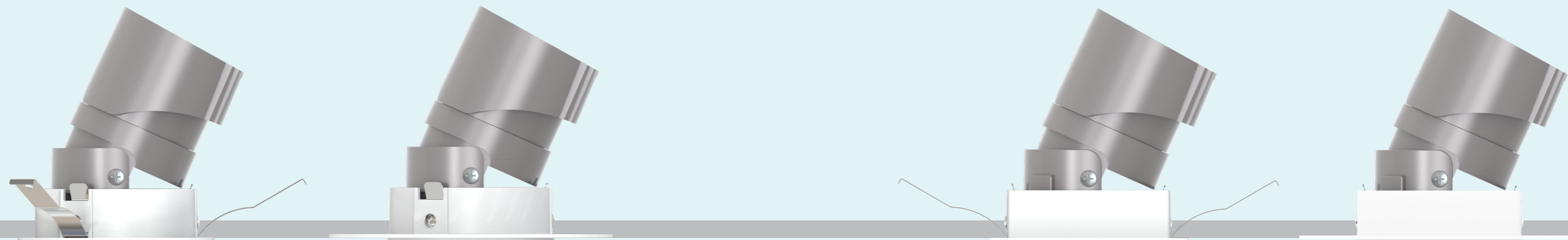
ELLA-Hotel Series Overview

Module	 EM050		 EM060		 EM070		 EM090					
Category	Hotel											
	Adjustable		Fixed		Adjustable		Fixed		Adjustable		Fixed	
Mounting Ring	 EF51RA01	 EF51RF01	 EF61RA01	 EF61SA01	 EF61RF01	 EF71RA01	 EF71SA01	 EF71RF01	 EF91RA01	 EF91SA01	 EF91RF01	
Picture&Name	 EM050-EF51RA01	 EM050-EF51RF01	 EM060-EF61RA01	 EM060-EF61SA01	 EM060-EF61RF01	 EM070-EF71RA01	 EM070-EF71SA01	 EM070-EF71RF01	 EM090-EF91RA01	 EM090-EF91SA01	 EM090-EF91RF01	
Cutout (mm)												
Trim Diameter (mm)	 Φ62	 Φ62	 Φ85	 85x85	 Φ85	 Φ115	 112x112	 Φ115	 Φ140	 140x140	 Φ140	
Wattage & Luminous Flux	5W 332lm	8W 440lm	10W 766lm	15W 1175lm		20W 1775lm	25W 2058lm		30W 2259lm	35W 2696lm		
Beam Angle(°)	15°, 24°, 38°, 55°		15°, 24°, 38°, 55°		15°, 24°, 38°, 55°		15°, 24°, 38°, 55°		15°, 24°, 38°, 55°			
Color Temperature	2700K 3000K 4000K		2700K 3000K 4000K		2700K 3000K 4000K		2700K 3000K 4000K		2700K 3000K 4000K			
Color Rendering Index_CRI	80+, 90+		80+, 90+		80+, 90+		80+, 90+		80+, 90+			
Dimming Control	On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI		On-off, Phase dim, 1-10V, DALI			
Trimless Version	 EM050-EF51RA01T	 EM050-EF51RF01T	 EM060-EF61RA01T	 EM060-EF61SA01T	 EM060-EF61RF01T	 EM070-EF71RA01T		 EM070-EF71RF01T	 EM090-EF91RA01T		 EM090-EF91RF01T	
Pendant			 EM060-EP61RF01	 EM060-EP61RF02								
Secondary Reflector					 Black	 Bright silver	 Matt silver					
Anti-glare Accessory					 Honeycomb	 Soft Lens						



**ELLA**  
LED Downlight System  
Hotel Series





## ELLA-Hotel Series

### Adjustable Down Light

#### Round Adjustable

2 sizes with wattage 9W-25W.  
355° rotation and 30° tilt.

#### Round Adjustable Trimless

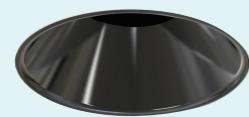
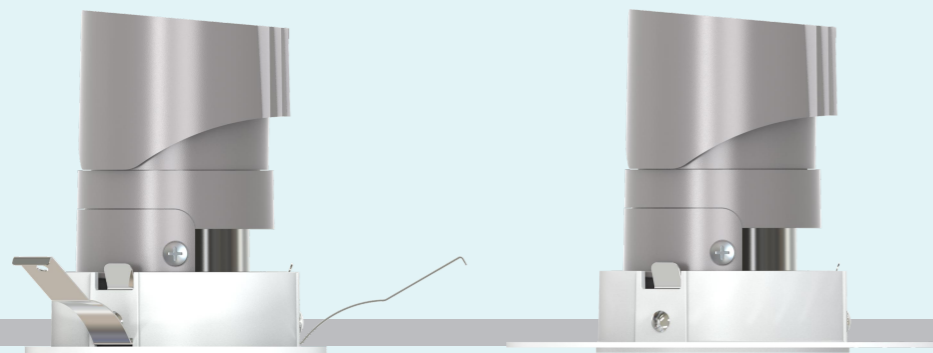
Make your downlight invisible in the ceiling.  
355° rotation and 30° tilt.

#### Square Adjustable

A combination of recessed secondary reflector and deep beam lens provides maximum visual comfort.

#### Square Adjustable Trimless

Make your downlight invisible in the ceiling.  
355° rotation and 30° tilt.



## ELLA-Hotel Series

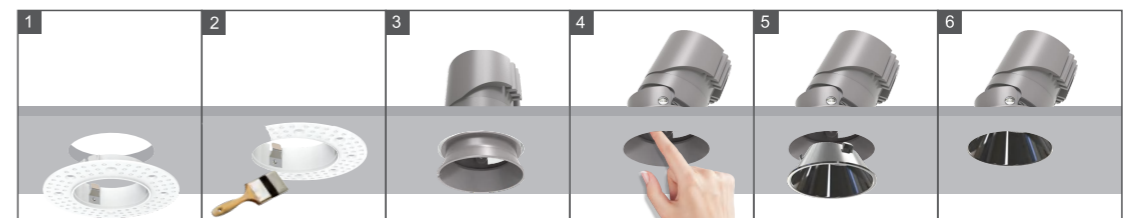
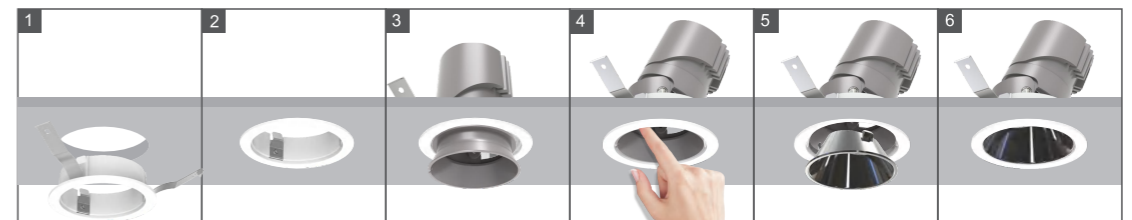
### Fixed Down Light

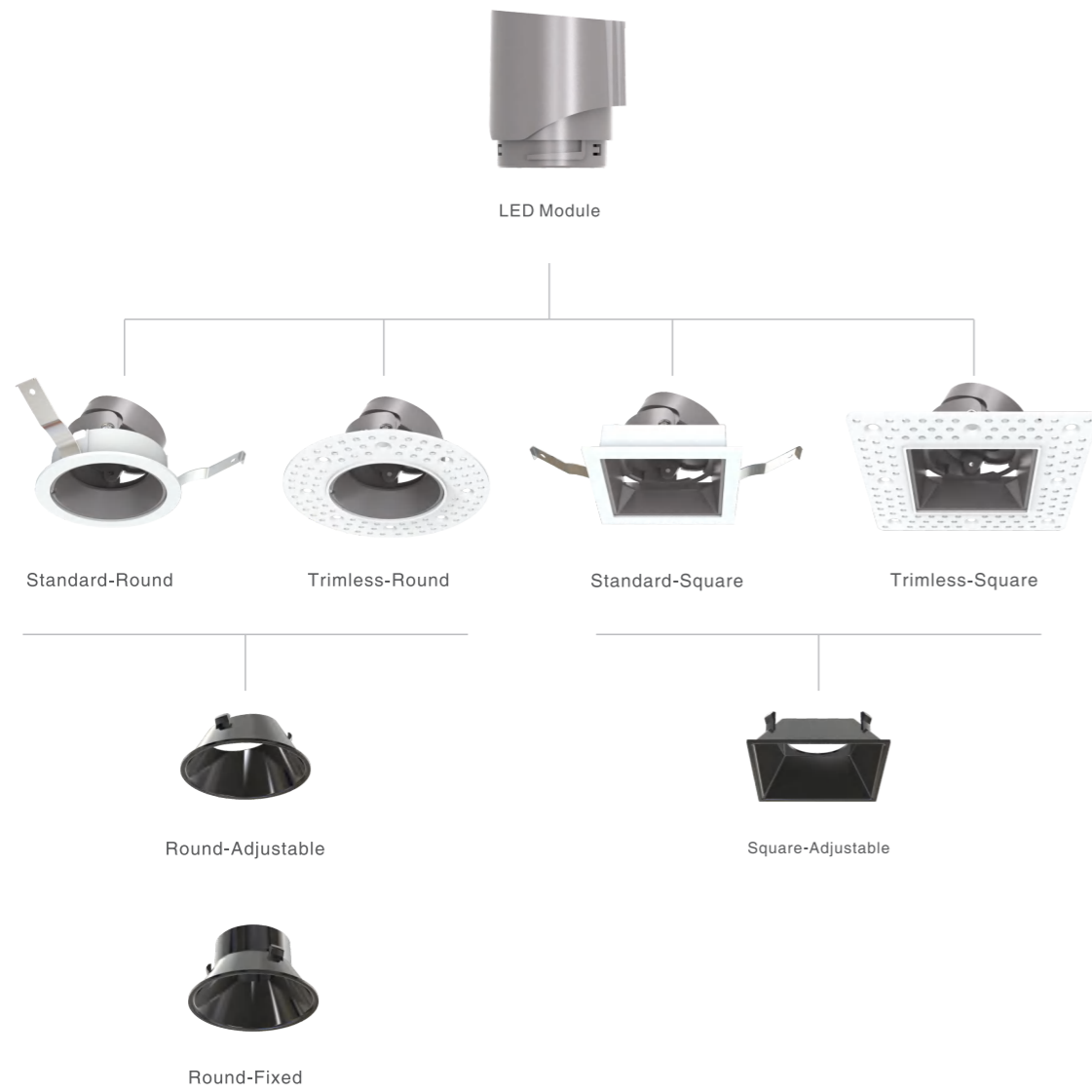
#### Round Fix

2 sizes with wattage 9W-25W.  
355° rotation and 30° tilt.

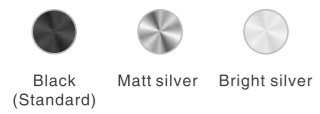
#### Round Fix Trimless

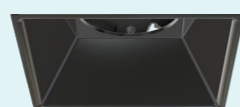
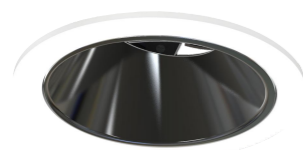
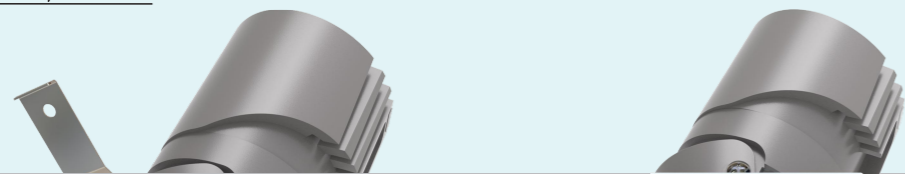
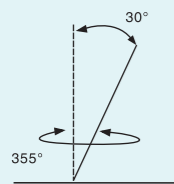
Make your downlight invisible in the ceiling.  
355° rotation and 30° tilt.





Secondary Reflector Color





## ELLA-Hotel Series

### Adjustable Down Light



#### MAIN FEATURES

- Elegant & compact in its style, versatile in its using.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Super modular design, replacing LED module, mounting ring, beam lens, honeycomb filter and secondary reflectors without any needs for tools.
- 355° rotation and 30° tilt.
- Anti-glare accessories provide maximum visual comfort.
- Ip20 is standard, IP44 is optional.





Order options

LED MODULE



EM050

SYSTEM POWER

5W  
8W

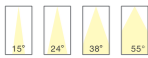
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



EF51RA01

TRIMLESS



EF51RA01T

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

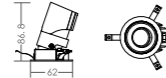
SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver



EM050-EF51RA01



Cut out: 55mm

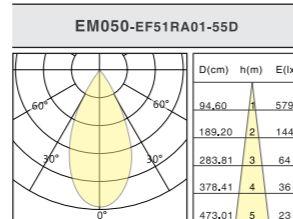
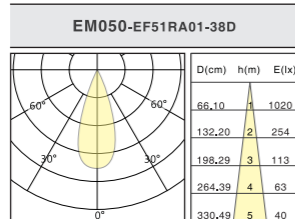
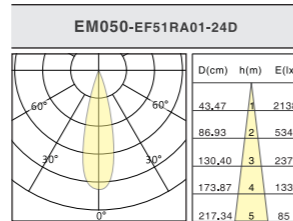
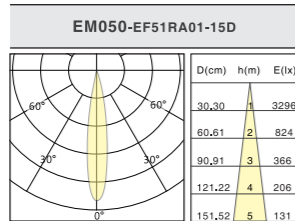


EM050-EF51RA01T



Cut out: 55mm

3000K CRI90



Welcome to contact sales@encore-tech.com, ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM050-EF51RA01-15D	5 W	120mA	311 lm	90+	2700K	15°
EM050-EF51RA01-15D	5 W	120mA	324 lm	90+	3000K	15°
EM050-EF51RA01-24D	5 W	120mA	304 lm	90+	2700K	24°
EM050-EF51RA01-24D	5 W	120mA	339 lm	90+	3000K	24°
EM050-EF51RA01-38D	5 W	120mA	319 lm	90+	2700K	38°
EM050-EF51RA01-38D	5 W	120mA	332 lm	90+	3000K	38°
EM050-EF51RA01-55D	5 W	120mA	306 lm	90+	2700K	55°
EM050-EF51RA01-55D	5 W	120mA	319 lm	90+	3000K	55°
EM050-EF51RA01-15D	8 W	180mA	394 lm	90+	2700K	15°
EM050-EF51RA01-15D	8 W	180mA	429 lm	90+	3000K	15°
EM050-EF51RA01-24D	8 W	180mA	386 lm	90+	2700K	24°
EM050-EF51RA01-24D	8 W	180mA	449 lm	90+	3000K	24°
EM050-EF51RA01-38D	8 W	180mA	404 lm	90+	2700K	38°
EM050-EF51RA01-38D	8 W	180mA	440 lm	90+	3000K	38°
EM050-EF51RA01-55D	8 W	180mA	388 lm	90+	2700K	55°
EM050-EF51RA01-55D	8 W	180mA	422 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



EF61RA01

TRIMLESS



EF61RA01T

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver



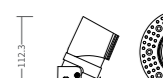
EM060-EF61RA01



Cut out: 75mm

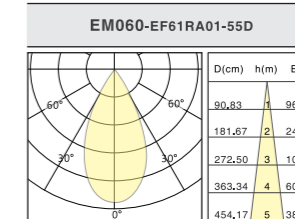
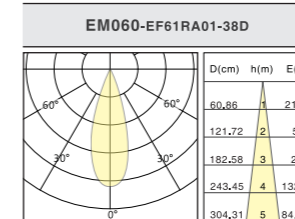
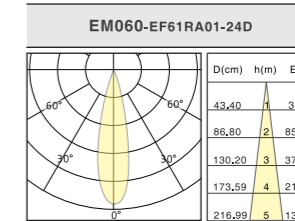
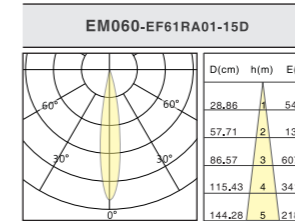


EM060-EF61RA01T



Cut out: 76mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF61RA01-15D	10 W	250mA	659 lm	90+	2700K	15°
EM060-EF61RA01-15D	10 W	250mA	715 lm	90+	3000K	15°
EM060-EF61RA01-24D	10 W	250mA	710 lm	90+	2700K	24°
EM060-EF61RA01-24D	10 W	250mA	766 lm	90+	3000K	24°
EM060-EF61RA01-38D	10 W	250mA	724 lm	90+	2700K	38°
EM060-EF61RA01-38D	10 W	250mA	780 lm	90+	3000K	38°
EM060-EF61RA01-55D	10 W	250mA	609 lm	90+	2700K	55°
EM060-EF61RA01-55D	10 W	250mA	665 lm	90+	3000K	55°
EM060-EF61RA01-15D	15 W	350mA	924 lm	90+	2700K	15°
EM060-EF61RA01-15D	15 W	350mA	1010 lm	90+	3000K	15°
EM060-EF61RA01-24D	15 W	350mA	1000lm	90+	2700K	24°
EM060-EF61RA01-24D	15 W	350mA	1051 lm	90+	3000K	24°
EM060-EF61RA01-38D	15 W	350mA	1076 lm	90+	2700K	38°
EM060-EF61RA01-38D	15 W	350mA	1175lm	90+	3000K	38°
EM060-EF61RA01-55D	15 W	350mA	1007 lm	90+	2700K	55°
EM060-EF61RA01-55D	15 W	350mA	1106lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

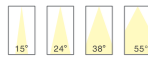
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



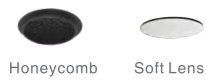
EF71RA01

TRIMLESS



EF71RA01T

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

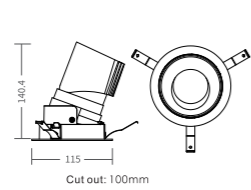
SECONDARY REFLECTOR



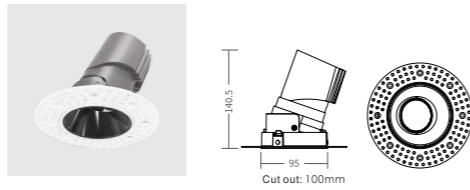
Black (Standard) Matt silver Bright silver



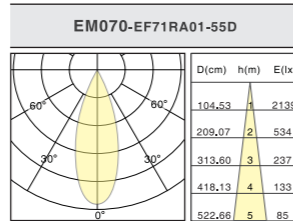
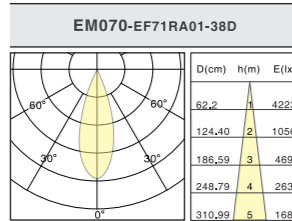
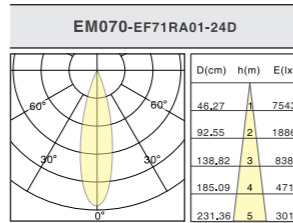
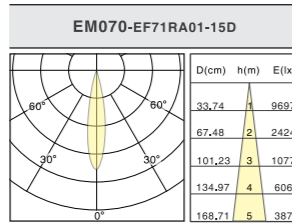
EM070-EF71RA01



EM070-EF71RA01T



3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF71RA01-15D	20 W	500mA	1406 lm	90+	2700K	15°
EM070-EF71RA01-15D	20 W	500mA	1550 lm	90+	3000K	15°
EM070-EF71RA01-24D	20 W	500mA	1596 lm	90+	2700K	24°
EM070-EF71RA01-24D	20 W	500mA	1740 lm	90+	3000K	24°
EM070-EF71RA01-38D	20 W	500mA	1519 lm	90+	2700K	38°
EM070-EF71RA01-38D	20 W	500mA	1663 lm	90+	3000K	38°
EM070-EF71RA01-55D	20 W	500mA	1431 lm	90+	2700K	55°
EM070-EF71RA01-55D	20 W	500mA	1475 lm	90+	3000K	55°
EM070-EF71RA01-15D	25 W	600mA	1462 lm	90+	2700K	15°
EM070-EF71RA01-15D	25 W	600mA	1612 lm	90+	3000K	15°
EM070-EF71RA01-24D	25 W	600mA	1660 lm	90+	2700K	24°
EM070-EF71RA01-24D	25 W	600mA	1810 lm	90+	3000K	24°
EM070-EF71RA01-38D	25 W	600mA	1580 lm	90+	2700K	38°
EM070-EF71RA01-38D	25 W	600mA	1730 lm	90+	3000K	38°
EM070-EF71RA01-55D	25 W	600mA	1384 lm	90+	2700K	55°
EM070-EF71RA01-55D	25 W	600mA	1534 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



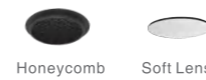
EF91RA01

TRIMLESS



EF91RA01T

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

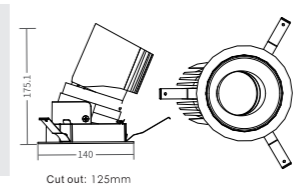
SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver

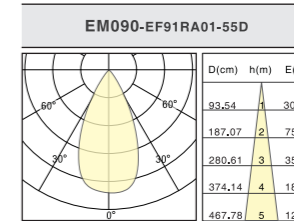
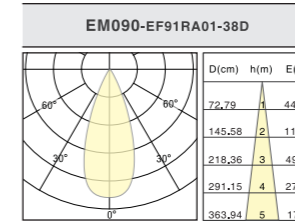
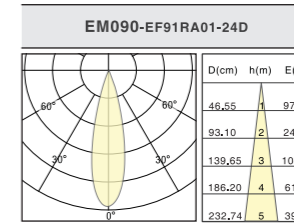
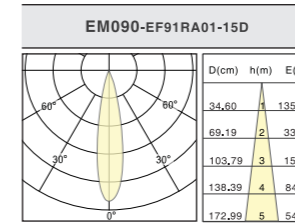


EM090-EF91RA01



EM090-EF91RA01T

3000K CRI90



Welcome to contact sales@encore-tech.com, ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF91RA01-15D	30 W	700mA	2061 lm	90+	2700K	15°
EM090-EF91RA01-15D	30 W	700mA	2145 lm	90+	3000K	15°
EM090-EF91RA01-24D	30 W	700mA	2171 lm	90+	2700K	24°
EM090-EF91RA01-24D	30 W	700mA	2259 lm	90+	3000K	24°
EM090-EF91RA01-38D	30 W	700mA	2056 lm	90+	2700K	38°
EM090-EF91RA01-38D	30 W	700mA	2140 lm	90+	3000K	38°
EM090-EF91RA01-55D	30 W	700mA	2068 lm	90+	2700K	55°
EM090-EF91RA01-55D	30 W	700mA	2152 lm	90+	3000K	55°
EM090-EF91RA01-15D	35 W	850mA	2463 lm	90+	2700K	15°
EM090-EF91RA01-15D	35 W	850mA	2563 lm	90+	3000K	15°
EM090-EF91RA01-24D	35 W	850mA	2591lm	90+	2700K	24°
EM090-EF91RA01-24D	35 W	850mA	2696 lm	90+	3000K	24°
EM090-EF91RA01-38D	35 W	850mA	2445 lm	90+	2700K	38°
EM090-EF91RA01-38D	35 W	850mA	2544 lm	90+	3000K	38°
EM090-EF91RA01-55D	35 W	850mA	2472 lm	90+	2700K	55°
EM090-EF91RA01-55D	35 W	850mA	2572 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

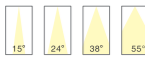
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



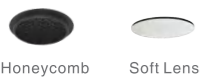
EF61SA01

TRIMLESS



EF61SA01T

ANTI-GLARE ACCESSORY



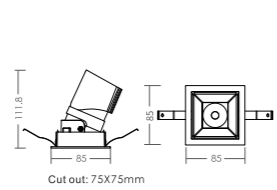
SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver



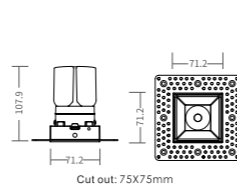
EM060-EF61SA01



Cut out: 75X75mm

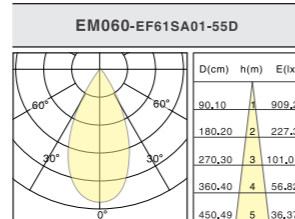
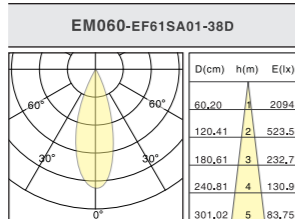
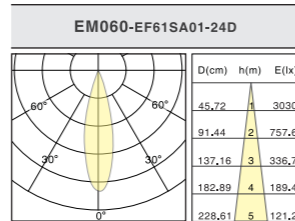
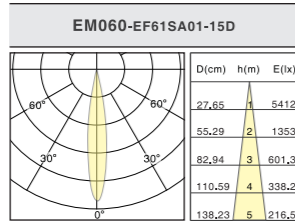


EM060-EF61SA01T



Cut out: 75X75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF61SA01-15D	10 W	250mA	621 lm	90+	2700K	15°
EM060-EF61SA01-15D	10 W	250mA	678 lm	90+	3000K	15°
EM060-EF61SA01-24D	10 W	250mA	666 lm	90+	2700K	24°
EM060-EF61SA01-24D	10 W	250mA	722 lm	90+	3000K	24°
EM060-EF61SA01-38D	10 W	250mA	698 lm	90+	2700K	38°
EM060-EF61SA01-38D	10 W	250mA	754 lm	90+	3000K	38°
EM060-EF61SA01-55D	10 W	250mA	589 lm	90+	2700K	55°
EM060-EF61SA01-55D	10 W	250mA	645 lm	90+	3000K	55°
EM060-EF61SA01-15D	15 W	350mA	866 lm	90+	2700K	15°
EM060-EF61SA01-15D	15 W	350mA	952 lm	90+	3000K	15°
EM060-EF61SA01-24D	15 W	350mA	935 lm	90+	2700K	24°
EM060-EF61SA01-24D	15 W	350mA	1021 lm	90+	3000K	24°
EM060-EF61SA01-38D	15 W	350mA	983 lm	90+	2700K	38°
EM060-EF61SA01-38D	15 W	350mA	1069 lm	90+	3000K	38°
EM060-EF61SA01-55D	15 W	350mA	816 lm	90+	2700K	55°
EM060-EF61SA01-55D	15 W	350mA	902 lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



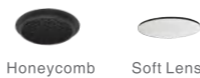
EF71SA01

TRIMLESS



EF71SA01T

ANTI-GLARE ACCESSORY



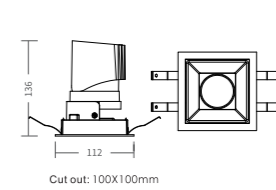
SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver

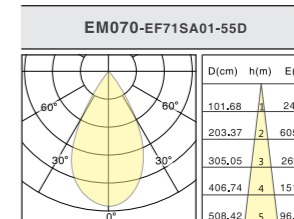
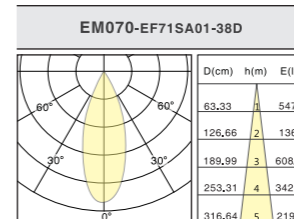
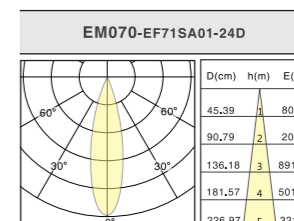
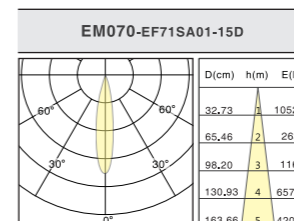


EM070-EF71SA01



Cut out: 100X100mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF71SA01-15D	20 W	500mA	1548 lm	90+	2700K	15°
EM070-EF71SA01-15D	20 W	500mA	1476 lm	90+	3000K	15°
EM070-EF71SA01-24D	20 W	500mA	1751 lm	90+	2700K	24°
EM070-EF71SA01-24D	20 W	500mA	1669 lm	90+	3000K	24°
EM070-EF71SA01-38D	20 W	500mA	1713 lm	90+	2700K	38°
EM070-EF71SA01-38D	20 W	500mA	1633 lm	90+	3000K	38°
EM070-EF71SA01-55D	20 W	500mA	1692 lm	90+	2700K	55°
EM070-EF71SA01-55D	20 W	500mA	1613 lm	90+	3000K	55°
EM070-EF71SA01-15D	25 W	600mA	1708 lm	90+	2700K	15°
EM070-EF71SA01-15D	25 W	600mA	1628 lm	90+	3000K	15°
EM070-EF71SA01-24D	25 W	600mA	1931 lm	90+	2700K	24°
EM070-EF71SA01-24D	25 W	600mA	1841 lm	90+	3000K	24°
EM070-EF71SA01-38D	25 W	600mA	2220 lm	90+	2700K	38°
EM070-EF71SA01-38D	25 W	600mA	2212 lm	90+	3000K	38°
EM070-EF71SA01-55D	25 W	600mA	2014 lm	90+	2700K	55°
EM070-EF71SA01-55D	25 W	600mA	1920 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

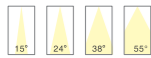
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

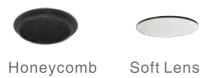
On-off  
Phase dim  
1-10V  
DALI

TRIM



EF91SA01

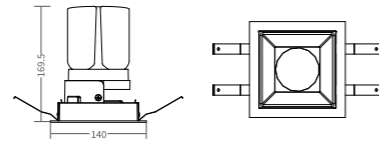
ANTI-GLARE ACCESSORY



SECONDARY REFLECTOR



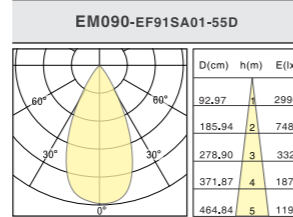
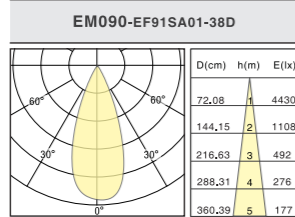
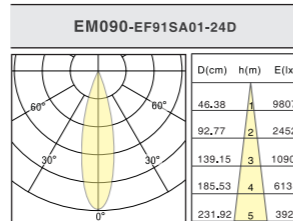
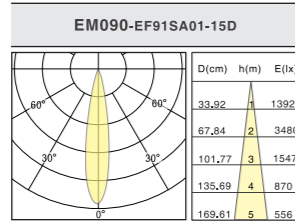
Black (Standard) Matt silver Bright silver



EM090-EF91SA01

Cut out: 125X125mm

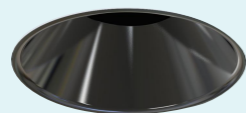
3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF91SA01-15D	30 W	700mA	2033 lm	90+	2700K	15°
EM090-EF91SA01-15D	30 W	700mA	2115 lm	90+	3000K	15°
EM090-EF91SA01-24D	30 W	700mA	2152 lm	90+	2700K	24°
EM090-EF91SA01-24D	30 W	700mA	2239 lm	90+	3000K	24°
EM090-EF91SA01-38D	30 W	700mA	1991 lm	90+	2700K	38°
EM090-EF91SA01-38D	30 W	700mA	2072 lm	90+	3000K	38°
EM090-EF91SA01-55D	30 W	700mA	2043 lm	90+	2700K	55°
EM090-EF91SA01-55D	30 W	700mA	2126 lm	90+	3000K	55°
EM090-EF91SA01-15D	35 W	850mA	2432lm	90+	2700K	15°
EM090-EF91SA01-15D	35 W	850mA	2531 lm	90+	3000K	15°
EM090-EF91SA01-24D	35 W	850mA	2568 lm	90+	2700K	24°
EM090-EF91SA01-24D	35 W	850mA	2672 lm	90+	3000K	24°
EM090-EF91SA01-38D	35 W	850mA	2385 lm	90+	2700K	38°
EM090-EF91SA01-38D	35 W	850mA	2482 lm	90+	3000K	38°
EM090-EF91SA01-55D	35 W	850mA	2462 lm	90+	2700K	55°
EM090-EF91SA01-55D	35 W	850mA	2562 lm	90+	3000K	55°





## ELLA-Hotel Series

### Fixed Down Light



#### MAIN FEATURES

- Elegant & compact in its style, versatile in its using.
- Precise light control, reach 85lm/W at 3000K CRI90.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Super modular design, replacing LED module, mounting ring, beam lens, honeycomb filter and secondary reflectors without tools need.
- 355° rotation and 30° tilt.
- Anti-glare accessories provide maximum visual comfort.
- IP20 is standard, IP44 is optional.



EM050-EF51RF01



EM060-EF61RF01



EM070-EF71RF01



EM090-EF91RF01



EM050-EF51RF01T



EM060-EF61RF01T



EM070-EF71RF01T



EM090-EF91RF01T

Order options

LED MODULE



EM050

SYSTEM POWER

5W  
8W

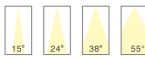
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



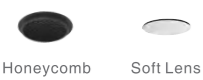
EF51RF01

TRIMLESS



EF51RF01T

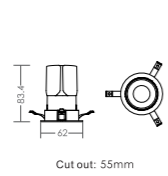
ANTI-GLARE ACCESSORY



SECONDARY REFLECTOR



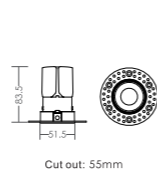
EM050-EF51RF01



Cut out: 55mm

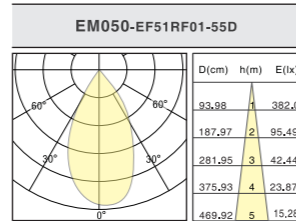
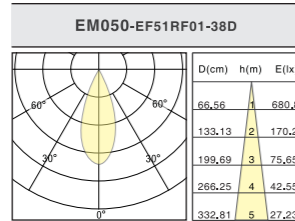
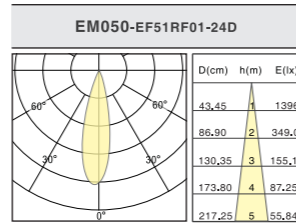
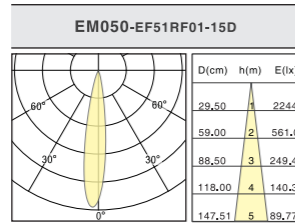


EM050-EF51RF01T



Cut out: 55mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM050-EF51RF01-15D	5 W	120mA	306 lm	90+	2700K	15°
EM050-EF51RF01-15D	5 W	120mA	318 lm	90+	3000K	15°
EM050-EF51RF01-24D	5 W	120mA	321 lm	90+	2700K	24°
EM050-EF51RF01-24D	5 W	120mA	334 lm	90+	3000K	24°
EM050-EF51RF01-38D	5 W	120mA	317 lm	90+	2700K	38°
EM050-EF51RF01-38D	5 W	120mA	329 lm	90+	3000K	38°
EM050-EF51RF01-55D	5 W	120mA	306 lm	90+	2700K	55°
EM050-EF51RF01-55D	5 W	120mA	318 lm	90+	3000K	55°
EM050-EF51RF01-15D	8 W	180mA	388 lm	90+	2700K	15°
EM050-EF51RF01-15D	8 W	180mA	422 lm	90+	3000K	15°
EM050-EF51RF01-24D	8 W	180mA	407 lm	90+	2700K	24°
EM050-EF51RF01-24D	8 W	180mA	442 lm	90+	3000K	24°
EM050-EF51RF01-38D	8 W	180mA	401 lm	90+	2700K	38°
EM050-EF51RF01-38D	8 W	180mA	436 lm	90+	3000K	38°
EM050-EF51RF01-55D	8 W	180mA	387 lm	90+	2700K	55°
EM050-EF51RF01-55D	8 W	180mA	421 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



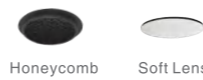
EF61RF01

TRIMLESS

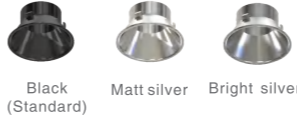


EF61RF01T

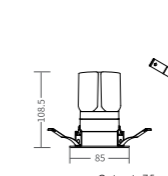
ANTI-GLARE ACCESSORY



SECONDARY REFLECTOR



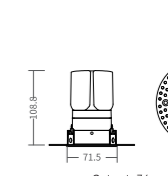
EM060-EF61RF01



Cut out: 75mm

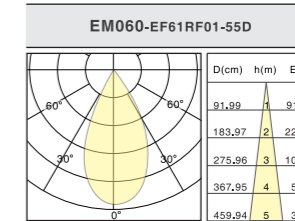
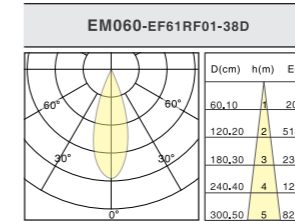
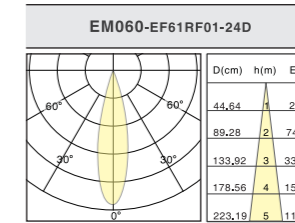
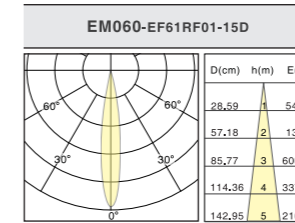


EM060-EF61RF01T



Cut out: 76mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF61RF01-15D	10 W	250mA	627 lm	90+	2700K	15°
EM060-EF61RF01-15D	10 W	250mA	684 lm	90+	3000K	15°
EM060-EF61RF01-24D	10 W	250mA	667 lm	90+	2700K	24°
EM060-EF61RF01-24D	10 W	250mA	724 lm	90+	3000K	24°
EM060-EF61RF01-38D	10 W	250mA	697 lm	90+	2700K	38°
EM060-EF61RF01-38D	10 W	250mA	753 lm	90+	3000K	38°
EM060-EF61RF01-55D	10 W	250mA	591 lm	90+	2700K	55°
EM060-EF61RF01-55D	10 W	250mA	648 lm	90+	3000K	55°
EM060-EF61RF01-15D	15 W	350mA	1007 lm	90+	2700K	15°
EM060-EF61RF01-15D	15 W	350mA	1070 lm	90+	3000K	15°
EM060-EF61RF01-24D	15 W	350mA	1077 lm	90+	2700K	24°
EM060-EF61RF01-24D	15 W	350mA	1150 lm	90+	3000K	24°
EM060-EF61RF01-38D	15 W	350mA	981 lm	90+	2700K	38°
EM060-EF61RF01-38D	15 W	350mA	1067 lm	90+	3000K	38°
EM060-EF61RF01-55D	15 W	350mA	1028 lm	90+	2700K	55°
EM060-EF61RF01-55D	15 W	350mA	1127 lm	90+	3000K	55°

Order options

LED MODULE



Em070

SYSTEM POWER

20W  
25W

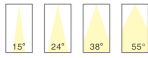
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



EF71RF01

TRIMLESS



EF71RF01T

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

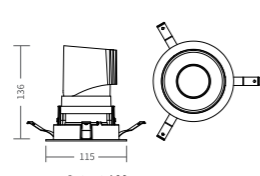
SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver



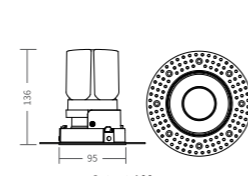
EM070-EF71RF01



Cut out: 100mm

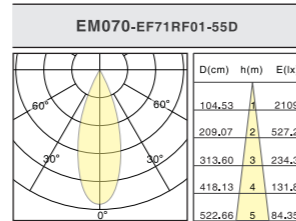
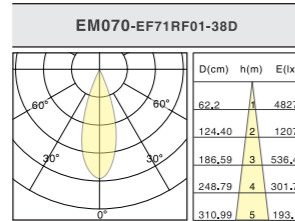
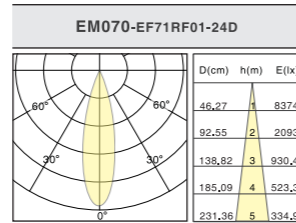
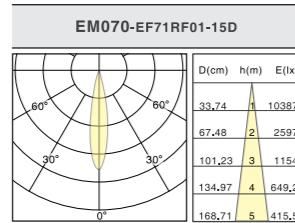


EM070-EF71RF01T



Cut out: 100mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF71RF01-15D	20 W	500mA	1434 lm	90+	2700K	15°
EM070-EF71RF01-15D	20 W	500mA	1581 lm	90+	3000K	15°
EM070-EF71RF01-24D	20 W	500mA	1628 lm	90+	2700K	24°
EM070-EF71RF01-24D	20 W	500mA	1775 lm	90+	3000K	24°
EM070-EF71RF01-38D	20 W	500mA	1549 lm	90+	2700K	38°
EM070-EF71RF01-38D	20 W	500mA	1696 lm	90+	3000K	38°
EM070-EF71RF01-55D	20 W	500mA	1460 lm	90+	2700K	55°
EM070-EF71RF01-55D	20 W	500mA	1505 lm	90+	3000K	55°
EM070-EF71RF01-15D	25 W	600mA	1765 lm	90+	2700K	15°
EM070-EF71RF01-15D	25 W	600mA	1834 lm	90+	3000K	15°
EM070-EF71RF01-24D	25 W	600mA	1888 lm	90+	2700K	24°
EM070-EF71RF01-24D	25 W	600mA	2058 lm	90+	3000K	24°
EM070-EF71RF01-38D	25 W	600mA	1796 lm	90+	2700K	38°
EM070-EF71RF01-38D	25 W	600mA	1967 lm	90+	3000K	38°
EM070-EF71RF01-55D	25 W	600mA	1778 lm	90+	2700K	55°
EM070-EF71RF01-55D	25 W	600mA	1745 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

TRIM



EF91RF01

TRIMLESS



EF91RF01T

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

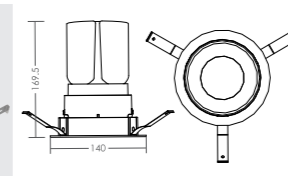
SECONDARY REFLECTOR



Black (Standard) Matt silver Bright silver



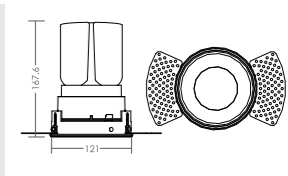
EM090-EF91RF01



Cut out: 125mm

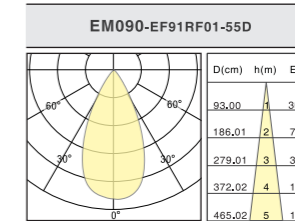
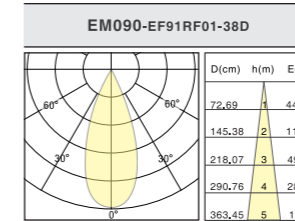
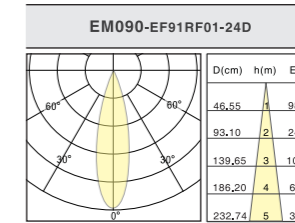
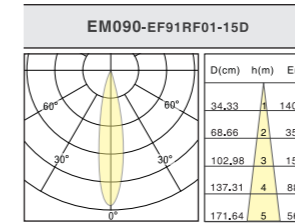


EM090-EF91RF01T



Cut out: 122mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF91RF01-15D	30 W	700mA	2091 lm	90+	2700K	15°
EM090-EF91RF01-15D	30 W	700mA	2176 lm	90+	3000K	15°
EM090-EF91RF01-24D	30 W	700mA	2176 lm	90+	2700K	24°
EM090-EF91RF01-24D	30 W	700mA	2265 lm	90+	3000K	24°
EM090-EF91RF01-38D	30 W	700mA	2007 lm	90+	2700K	38°
EM090-EF91RF01-38D	30 W	700mA	2088 lm	90+	3000K	38°
EM090-EF91RF01-55D	30 W	700mA	2039 lm	90+	2700K	55°
EM090-EF91RF01-55D	30 W	700mA	2122 lm	90+	3000K	55°
EM090-EF91RF01-15D	35 W	850mA	2484 lm	90+	2700K	15°
EM090-EF91RF01-15D	35 W	850mA	2585 lm	90+	3000K	15°
EM090-EF91RF01-24D	35 W	850mA	2595 lm	90+	2700K	24°
EM090-EF91RF01-24D	35 W	850mA	2700 lm	90+	3000K	24°
EM090-EF91RF01-38D	35 W	850mA	2400 lm	90+	2700K	38°
EM090-EF91RF01-38D	35 W	850mA	2497 lm	90+	3000K	38°
EM090-EF91RF01-55D	35 W	850mA	2453 lm	90+	2700K	55°
EM090-EF91RF01-55D	35 W	850mA	2552 lm	90+	3000K	55°



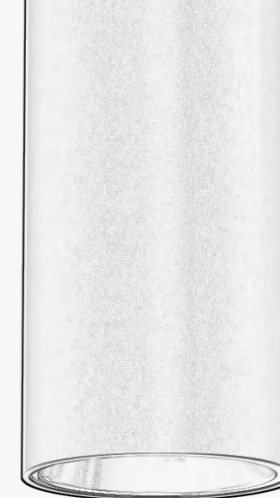
## ELLA-Hotel Series

### Pendant Light



#### MAIN FEATURES

- Elegant & compact in its style, versatile in its using.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Anti-glare accessories provide maximum visual comfort.
- Housing color can be white, black, silver and brown.

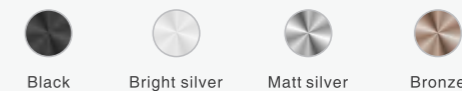


EM060-EP61RF01



EM060-EP61RF02

#### Housing Color



Black

Bright silver

Matt silver

Bronze



Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

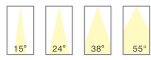
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

ANTI-GLARE ACCESSORY

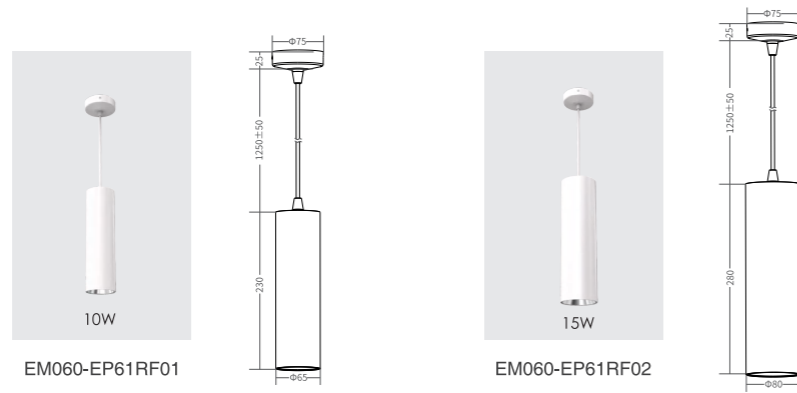


Honeycomb Soft Lens

SECONDARY REFLECTOR



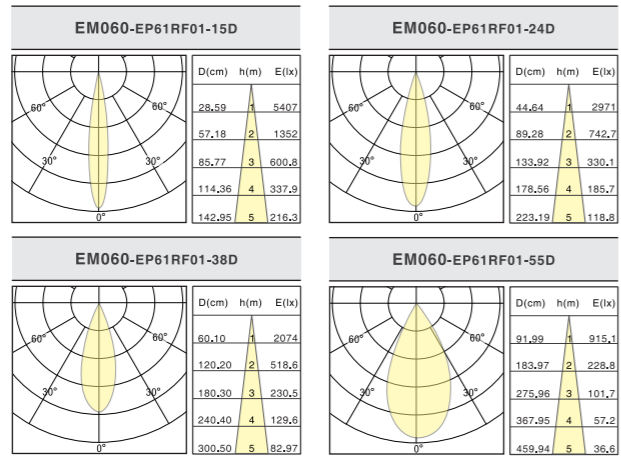
Black (Standard) Matt silver Bright silver



EM060-EP61RF01

EM060-EP61RF02

3000K CRI90



Welcome to contact [sales@encore-tech.com](mailto:sales@encore-tech.com), ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EP61RF01-15D	10 W	250mA	627 lm	90+	2700K	15°
EM060-EP61RF01-15D	10 W	250mA	684 lm	90+	3000K	15°
EM060-EP61RF01-24D	10 W	250mA	667 lm	90+	2700K	24°
EM060-EP61RF01-24D	10 W	250mA	724 lm	90+	3000K	24°
EM060-EP61RF01-38D	10 W	250mA	697 lm	90+	2700K	38°
EM060-EP61RF01-38D	10 W	250mA	753 lm	90+	3000K	38°
EM060-EP61RF01-55D	10 W	250mA	591 lm	90+	2700K	55°
EM060-EP61RF01-55D	10 W	250mA	648 lm	90+	3000K	55°
EM060-EP61RF01-15D	15 W	350mA	1007 lm	90+	2700K	15°
EM060-EP61RF01-15D	15 W	350mA	1070 lm	90+	3000K	15°
EM060-EP61RF01-24D	15 W	350mA	1007 lm	90+	2700K	24°
EM060-EP61RF01-24D	15 W	350mA	1150 lm	90+	3000K	24°
EM060-EP61RF01-38D	15 W	350mA	981 lm	90+	2700K	38°
EM060-EP61RF01-38D	15 W	350mA	1067 lm	90+	3000K	38°
EM060-EP61RF01-55D	15 W	350mA	1028 lm	90+	2700K	55°
EM060-EP61RF01-55D	15 W	350mA	1127 lm	90+	3000K	55°



# ELLA LED Downlight System



LED Module

Residential

Commercial

Deep Anti-Glare

Wall Washer

Adjustable

Fixed

Adjustable

Fixed

Fixed




















































































## RESIDENTIAL

ELLA-Residential series, perfect spot lighting or accentuation with an almost invisible light aperture is ideally achieved. Super modular design with numerous mounting rings, round as well as square designs with adjustable and fixed options, in various wattages enable nuanced adaptations to different needs. Honeycomb filter can be added to provide maximum visual comfort.

ELLA-Residential Series Overview

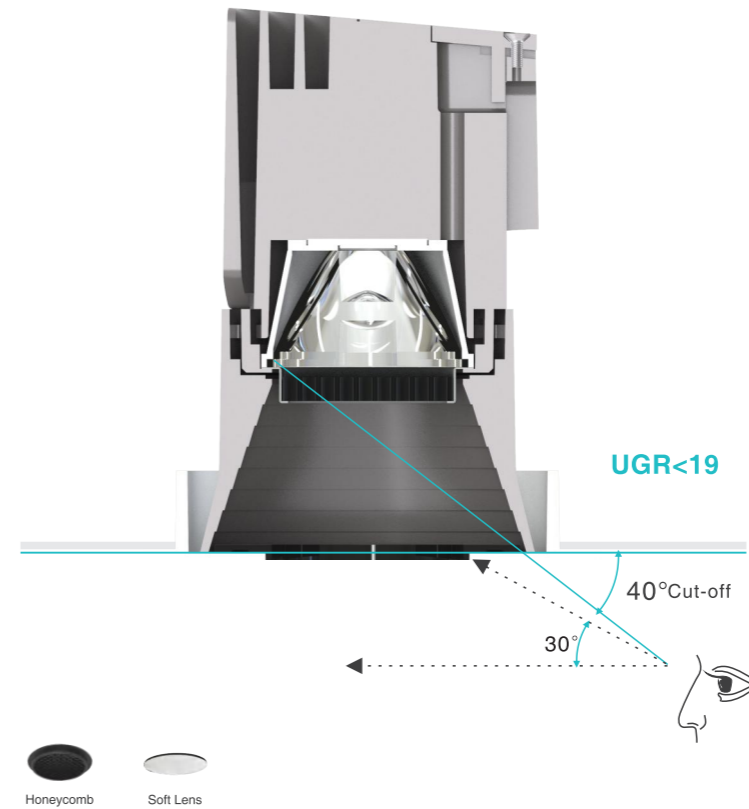
<b>Module</b>	 EM050		 EM060									
<b>Category</b>	Residential											
	Adjustable		Adjustable							Fixed		
<b>Mounting Ring</b>												
	EF52RA01	EF52RA02	EF62RA01	EF62RA02	EF62RA03	EF62RA04	EF62SA04	EF62RA05	EF62SA05	EF62RF01	EF62RF02	EF62RF03
<b>Picture&amp;Name</b>												
	EM050-EF52RA01	EM050-EF52RA02	EM060-EF62RA01	EM060-EF62RA02	EM060-EF62RA03	EM060-EF62RA04	EM060-EF62SA04	EM060-EF62RA05	EM060-EF62SA05	EM060-EF62RF01	EM060-EF62RF02	EM060-EF62RF03
<b>Cutout (mm)</b>												
	55	55	75	75	75	68	68	68	68	75	75	75
<b>Trim Diameter (mm)</b>												
	Φ65	Φ65	Φ88	Φ88	Φ85	Φ75	75x75	Φ75	75x75	Φ88	Φ85	Φ85
<b>Wattage &amp; Luminous Flux</b>	5W 347lm      8W 410lm		10W 762lm      15W 1303lm									
<b>Beam Angle(°)</b>	15°, 24°, 38°, 55°											
<b>Color Temperature</b>	2700K 3000K 4000K											
<b>Color Rendering Index_CRI</b>	80+, 90+											
<b>Dimming Control</b>	On-off, Phase dim, 1-10V, DALI											
<b>Anti-glare Accessory</b>	 Honeycomb  Soft Lens											

**ELLA-Residential Series Overview**

<b>Module</b>	 EM070		 EM090			
<b>Category</b>	Residential					
	Adjustable	Fixed	Adjustable		Fixed	
<b>Mounting Ring</b>	 EF72RA01	 EF72RF01	 EF92RA01	 EF92RA02	 EF92RF01	 EF92RF02
<b>Picture&amp;Name</b>	 EM070-EF72RA01	 EM070-EF72RF01	 EM090-EF92RA01	 EM090-EF92RA02	 EM090-EF92RF01	 EM090-EF92RF02
<b>Cutout (mm)</b>	 115	 100	 110	 130	 110	 125
<b>Trim Diameter (mm)</b>	 Φ125	 Φ110	 Φ125	 Φ145	 Φ124	 Φ138
<b>Wattage &amp; Luminous Flux</b>	20W 1818lm	25W 1939lm	30W 2342lm		35W 2875lm	
<b>Beam Angle(°)</b>	15°, 24°, 38°, 55°					
<b>Color Temperature</b>	2700K 3000K 4000K					
<b>Color Rendering Index_CRI</b>	80+, 90+					
<b>Dimming Control</b>	On-off, Phase dim, 1-10V, DALI					
<b>Anti-glare Accessory</b>	 Honeycomb		 Soft Lens			

**Anti-glare**

In the glare free angle, there is no direct view of the LED and the visible part of the reflector produces practically no glare at all. This zone offers very high visual comfort.



 COB	 >80 lm/W	 CRI 90+	 CRI 80+	 Dimmable	 Dimmable 1-10V	 DALI	 Max 40°C -20°C	 PF >0.90	 355°
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**MAIN FEATURES**

- Elegant & compact in its style, versatile in its using.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Numerous mounting rings with round & square and adjustable & fixed options.
- Super modular design, replacing LED module, mounting ring, beam lens and anti-glare accessories without any needs for tools.
- IP20 is standard, IP44 is optional.



**Order options**

**LED MODULE**



**SYSTEM POWER**

5W  
8W

**COLOR TEMPERATURE**

2700K  
3000K

**COLOR RENDERING INDEX\_CRI**

CRI 80  
CRI 90

**PRIMARY LENS**



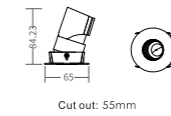
**DIMMING CONTROL**

On-off  
Phase dim  
1-10V  
DALI

**MOUNTING RING**

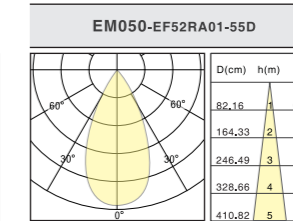
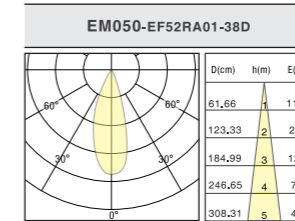
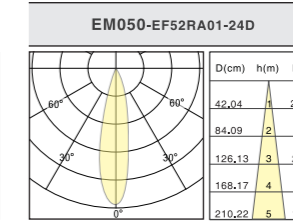
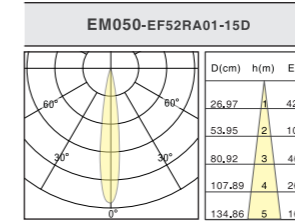


**ANTI-GLARE ACCESSORY**



EM050-EF52RA01

3000K    CRI90



Welcome to contact [sales@encore-tech.com](mailto:sales@encore-tech.com), ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM050-EF52RA01-15D	5 W	120mA	302 lm	90+	2700K	15°
EM050-EF52RA01-15D	5 W	120mA	314 lm	90+	3000K	15°
EM050-EF52RA01-24D	5 W	120mA	334 lm	90+	2700K	24°
EM050-EF52RA01-24D	5 W	120mA	344 lm	90+	3000K	24°
EM050-EF52RA01-38D	5 W	120mA	323 lm	90+	2700K	38°
EM050-EF52RA01-38D	5 W	120mA	336 lm	90+	3000K	38°
EM050-EF52RA01-55D	5 W	120mA	303 lm	90+	2700K	55°
EM050-EF52RA01-55D	5 W	120mA	315 lm	90+	3000K	55°
EM050-EF52RA01-15D	8 W	180mA	357 lm	90+	2700K	15°
EM050-EF52RA01-15D	8 W	180mA	371 lm	90+	3000K	15°
EM050-EF52RA01-24D	8 W	180mA	394 lm	90+	2700K	24°
EM050-EF52RA01-24D	8 W	180mA	410 lm	90+	3000K	24°
EM050-EF52RA01-38D	8 W	180mA	381 lm	90+	2700K	38°
EM050-EF52RA01-38D	8 W	180mA	396 lm	90+	3000K	38°
EM050-EF52RA01-55D	8 W	180mA	357 lm	90+	2700K	55°
EM050-EF52RA01-55D	8 W	180mA	371 lm	90+	3000K	55°



Order options

LED MODULE



EM050

SYSTEM POWER

5W  
8W

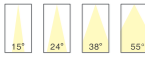
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING

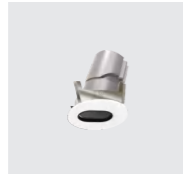


EF52RA02

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

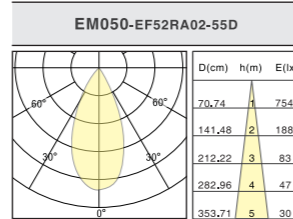
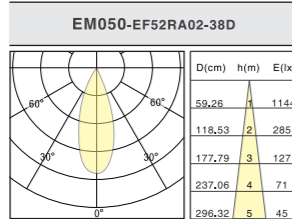
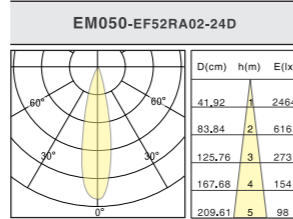
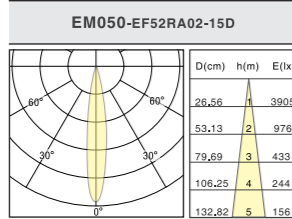


EM050-EF52RA02



Cut out: 55mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM050-EF52RA02-15D	5 W	120mA	282 lm	90+	2700K	15°
EM050-EF52RA02-15D	5 W	120mA	294 lm	90+	3000K	15°
EM050-EF52RA02-24D	5 W	120mA	327 lm	90+	2700K	24°
EM050-EF52RA02-24D	5 W	120mA	340 lm	90+	3000K	24°
EM050-EF52RA02-38D	5 W	120mA	315 lm	90+	2700K	38°
EM050-EF52RA02-38D	5 W	120mA	358 lm	90+	3000K	38°
EM050-EF52RA02-55D	5 W	120mA	300 lm	90+	2700K	55°
EM050-EF52RA02-55D	5 W	120mA	312 lm	90+	3000K	55°
EM050-EF52RA02-15D	8 W	180mA	333 lm	90+	2700K	15°
EM050-EF52RA02-15D	8 W	180mA	346 lm	90+	3000K	15°
EM050-EF52RA02-24D	8 W	180mA	386 lm	90+	2700K	24°
EM050-EF52RA02-24D	8 W	180mA	401 lm	90+	3000K	24°
EM050-EF52RA02-38D	8 W	180mA	373 lm	90+	2700K	38°
EM050-EF52RA02-38D	8 W	180mA	387 lm	90+	3000K	38°
EM050-EF52RA02-55D	8 W	180mA	354 lm	90+	2700K	55°
EM050-EF52RA02-55D	8 W	180mA	368 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RA01

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

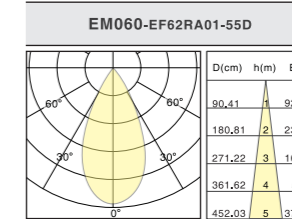
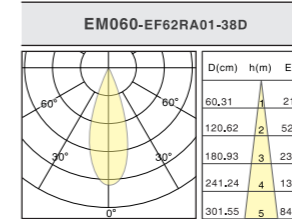
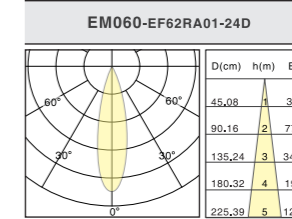
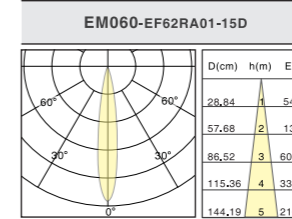


EM060-EF62RA01



Cut out: 75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RA01-15D	10 W	250mA	629 lm	90+	2700K	15°
EM060-EF62RA01-15D	10 W	250mA	686 lm	90+	3000K	15°
EM060-EF62RA01-24D	10 W	250mA	667 lm	90+	2700K	24°
EM060-EF62RA01-24D	10 W	250mA	726 lm	90+	3000K	24°
EM060-EF62RA01-38D	10 W	250mA	687 lm	90+	2700K	38°
EM060-EF62RA01-38D	10 W	250mA	748 lm	90+	3000K	38°
EM060-EF62RA01-55D	10 W	250mA	580 lm	90+	2700K	55°
EM060-EF62RA01-55D	10 W	250mA	632 lm	90+	3000K	55°
EM060-EF62RA01-15D	15 W	350mA	1173 lm	90+	2700K	15°
EM060-EF62RA01-15D	15 W	350mA	1275 lm	90+	3000K	15°
EM060-EF62RA01-24D	15 W	350mA	1199 lm	90+	2700K	24°
EM060-EF62RA01-24D	15 W	350mA	1303 lm	90+	3000K	24°
EM060-EF62RA01-38D	15 W	350mA	1203 lm	90+	2700K	38°
EM060-EF62RA01-38D	15 W	350mA	1307 lm	90+	3000K	38°
EM060-EF62RA01-55D	15 W	350mA	1114 lm	90+	2700K	55°
EM060-EF62RA01-55D	15 W	350mA	1224 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

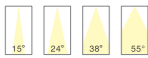
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RA02

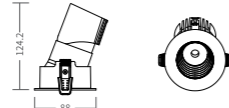
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

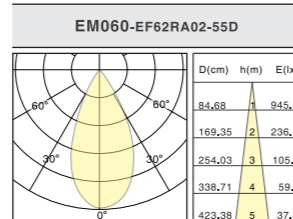
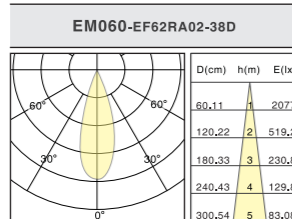
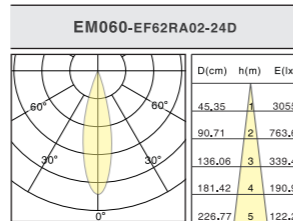
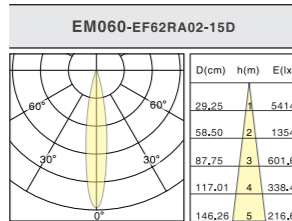


EM060-EF62RA02



Cut out: 75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RA02-15D	10 W	250mA	628 lm	90+	2700K	15°
EM060-EF62RA02-15D	10 W	250mA	685 lm	90+	3000K	15°
EM060-EF62RA02-24D	10 W	250mA	656 lm	90+	2700K	24°
EM060-EF62RA02-24D	10 W	250mA	714 lm	90+	3000K	24°
EM060-EF62RA02-38D	10 W	250mA	672 lm	90+	2700K	38°
EM060-EF62RA02-38D	10 W	250mA	733 lm	90+	3000K	38°
EM060-EF62RA02-55D	10 W	250mA	556 lm	90+	2700K	55°
EM060-EF62RA02-55D	10 W	250mA	606 lm	90+	3000K	55°
EM060-EF62RA02-15D	15 W	350mA	1114 lm	90+	2700K	15°
EM060-EF62RA02-15D	15 W	350mA	1211 lm	90+	3000K	15°
EM060-EF62RA02-24D	15 W	350mA	1139 lm	90+	2700K	24°
EM060-EF62RA02-24D	15 W	350mA	1238 lm	90+	3000K	24°
EM060-EF62RA02-38D	15 W	350mA	1143 lm	90+	2700K	38°
EM060-EF62RA02-38D	15 W	350mA	1242 lm	90+	3000K	38°
EM060-EF62RA02-55D	15 W	350mA	1058 lm	90+	2700K	55°
EM060-EF62RA02-55D	15 W	350mA	1163 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING

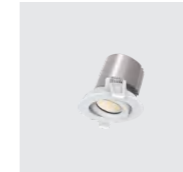


EF62RA03

ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

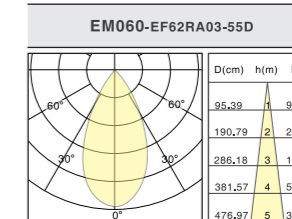
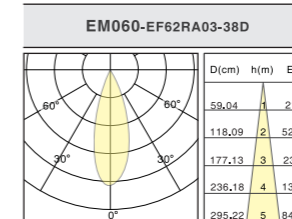
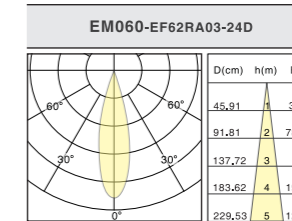
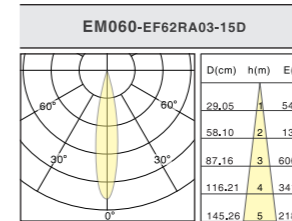


EM060-EF62RA03



Cut out: 75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RA03-15D	10 W	250mA	723 lm	90+	2700K	15°
EM060-EF62RA03-15D	10 W	250mA	787 lm	90+	3000K	15°
EM060-EF62RA03-24D	10 W	250mA	751 lm	90+	2700K	24°
EM060-EF62RA03-24D	10 W	250mA	818 lm	90+	3000K	24°
EM060-EF62RA03-38D	10 W	250mA	762 lm	90+	2700K	38°
EM060-EF62RA03-38D	10 W	250mA	830 lm	90+	3000K	38°
EM060-EF62RA03-55D	10 W	250mA	714 lm	90+	2700K	55°
EM060-EF62RA03-55D	10 W	250mA	778 lm	90+	3000K	55°
EM060-EF62RA03-15D	15 W	350mA	1054 lm	90+	2700K	15°
EM060-EF62RA03-15D	15 W	350mA	1109 lm	90+	3000K	15°
EM060-EF62RA03-24D	15 W	350mA	1077 lm	90+	2700K	24°
EM060-EF62RA03-24D	15 W	350mA	1134 lm	90+	3000K	24°
EM060-EF62RA03-38D	15 W	350mA	1080 lm	90+	2700K	38°
EM060-EF62RA03-38D	15 W	350mA	1137 lm	90+	3000K	38°
EM060-EF62RA03-55D	15 W	350mA	1012 lm	90+	2700K	55°
EM060-EF62RA03-55D	15 W	350mA	1065 lm	90+	3000K	55°



Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

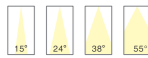
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RA04 EF62SA04

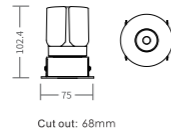
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens



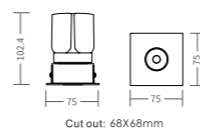
EM060-EF62RA04



Cut out: 68mm

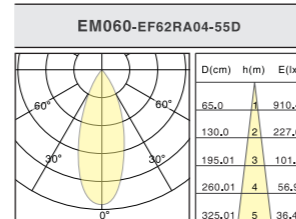
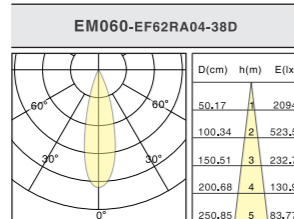
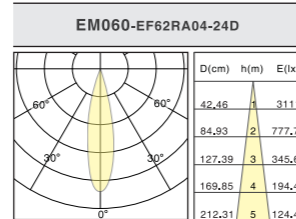
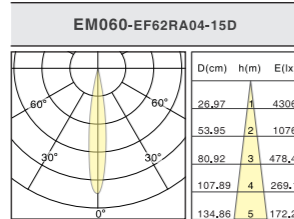


EM060-EF62SA04



Cut out: 68X68mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RA04-15D	10 W	250mA	422 lm	90+	2700K	15°
EM060-EF62RA04-15D	10 W	250mA	460 lm	90+	3000K	15°
EM060-EF62RA04-24D	10 W	250mA	557 lm	90+	2700K	24°
EM060-EF62RA04-24D	10 W	250mA	607 lm	90+	3000K	24°
EM060-EF62RA04-38D	10 W	250mA	534 lm	90+	2700K	38°
EM060-EF62RA04-38D	10 W	250mA	582 lm	90+	3000K	38°
EM060-EF62RA04-55D	10 W	250mA	419 lm	90+	2700K	55°
EM060-EF62RA04-55D	10 W	250mA	457 lm	90+	3000K	55°
EM060-EF62RA04-15D	15 W	350mA	1029 lm	90+	2700K	15°
EM060-EF62RA04-15D	15 W	350mA	1084 lm	90+	3000K	15°
EM060-EF62RA04-24D	15 W	350mA	1052 lm	90+	2700K	24°
EM060-EF62RA04-24D	15 W	350mA	1108 lm	90+	3000K	24°
EM060-EF62RA04-38D	15 W	350mA	1056 lm	90+	2700K	38°
EM060-EF62RA04-38D	15 W	350mA	1111 lm	90+	3000K	38°
EM060-EF62RA04-55D	15 W	350mA	989 lm	90+	2700K	55°
EM060-EF62RA04-55D	15 W	350mA	1041 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RA05 EF62SA05

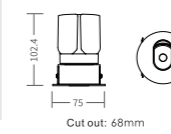
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens



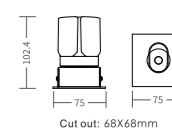
EM060-EF62RA05



Cut out: 68mm

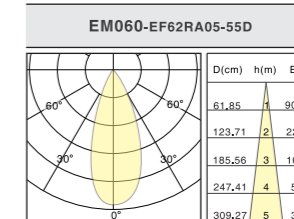
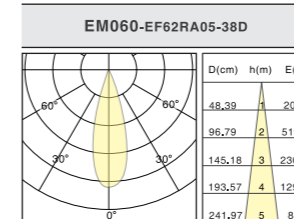
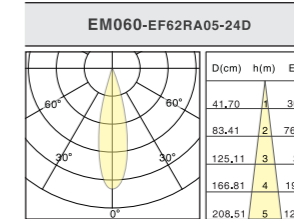
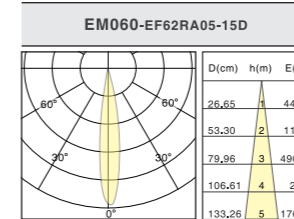


EM060-EF62SA05



Cut out: 68X68mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RA05-15D	10 W	250mA	433 lm	90+	2700K	15°
EM060-EF62RA05-15D	10 W	250mA	472 lm	90+	3000K	15°
EM060-EF62RA05-24D	10 W	250mA	561 lm	90+	2700K	24°
EM060-EF62RA05-24D	10 W	250mA	612 lm	90+	3000K	24°
EM060-EF62RA05-38D	10 W	250mA	546 lm	90+	2700K	38°
EM060-EF62RA05-38D	10 W	250mA	595 lm	90+	3000K	38°
EM060-EF62RA05-55D	10 W	250mA	431 lm	90+	2700K	55°
EM060-EF62RA05-55D	10 W	250mA	469 lm	90+	3000K	55°
EM060-EF62RA05-15D	15 W	350mA	1029 lm	90+	2700K	15°
EM060-EF62RA05-15D	15 W	350mA	1084 lm	90+	3000K	15°
EM060-EF62RA05-24D	15 W	350mA	1052 lm	90+	2700K	24°
EM060-EF62RA05-24D	15 W	350mA	1108 lm	90+	3000K	24°
EM060-EF62RA05-38D	15 W	350mA	1056 lm	90+	2700K	38°
EM060-EF62RA05-38D	15 W	350mA	1111 lm	90+	3000K	38°
EM060-EF62RA05-55D	15 W	350mA	989 lm	90+	2700K	55°
EM060-EF62RA05-55D	15 W	350mA	1041 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

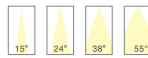
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RF01

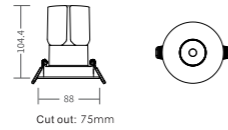
ANTI-GLARE ACCESSORY



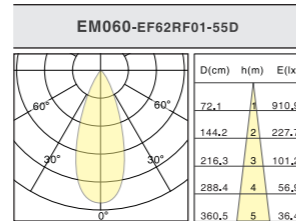
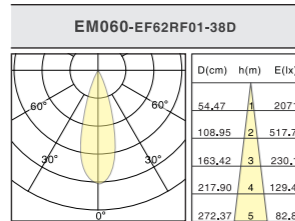
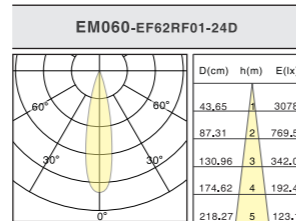
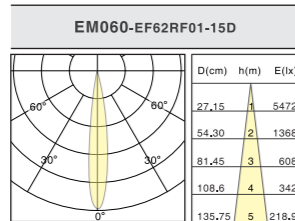
Honeycomb Soft Lens



EM060-EF62RF01



3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RF01-15D	10 W	250mA	525 lm	90+	2700K	15°
EM060-EF62RF01-15D	10 W	250mA	572 lm	90+	3000K	15°
EM060-EF62RF01-24D	10 W	250mA	585 lm	90+	2700K	24°
EM060-EF62RF01-24D	10 W	250mA	638 lm	90+	3000K	24°
EM060-EF62RF01-38D	10 W	250mA	585 lm	90+	2700K	38°
EM060-EF62RF01-38D	10 W	250mA	637 lm	90+	3000K	38°
EM060-EF62RF01-55D	10 W	250mA	466 lm	90+	2700K	55°
EM060-EF62RF01-55D	10 W	250mA	507 lm	90+	3000K	55°
EM060-EF62RF01-15D	15 W	350mA	1029 lm	90+	2700K	15°
EM060-EF62RF01-15D	15 W	350mA	1084 lm	90+	3000K	15°
EM060-EF62RF01-24D	15 W	350mA	1052 lm	90+	2700K	24°
EM060-EF62RF01-24D	15 W	350mA	1108 lm	90+	3000K	24°
EM060-EF62RF01-38D	15 W	350mA	1056 lm	90+	2700K	38°
EM060-EF62RF01-38D	15 W	350mA	1111 lm	90+	3000K	38°
EM060-EF62RF01-55D	15 W	350mA	989 lm	90+	2700K	55°
EM060-EF62RF01-55D	15 W	350mA	1041 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RF02

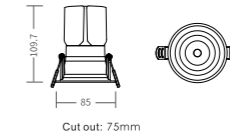
ANTI-GLARE ACCESSORY



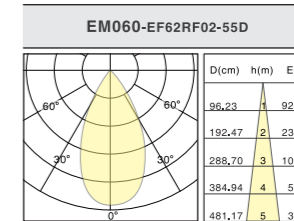
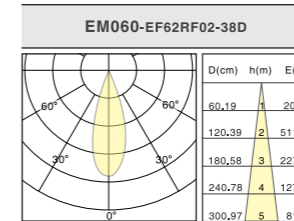
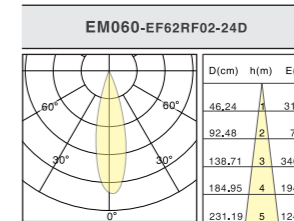
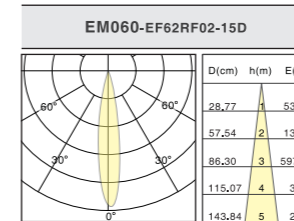
Honeycomb Soft Lens



EM060-EF62RF02



3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RF02-15D	10 W	250mA	687 lm	90+	2700K	15°
EM060-EF62RF02-15D	10 W	250mA	749 lm	90+	3000K	15°
EM060-EF62RF02-24D	10 W	250mA	728 lm	90+	2700K	24°
EM060-EF62RF02-24D	10 W	250mA	793 lm	90+	3000K	24°
EM060-EF62RF02-38D	10 W	250mA	741 lm	90+	2700K	38°
EM060-EF62RF02-38D	10 W	250mA	808 lm	90+	3000K	38°
EM060-EF62RF02-55D	10 W	250mA	675 lm	90+	2700K	55°
EM060-EF62RF02-55D	10 W	250mA	735 lm	90+	3000K	55°
EM060-EF62RF02-15D	15 W	350mA	1151 lm	90+	2700K	15°
EM060-EF62RF02-15D	15 W	350mA	1211 lm	90+	3000K	15°
EM060-EF62RF02-24D	15 W	350mA	1176 lm	90+	2700K	24°
EM060-EF62RF02-24D	15 W	350mA	1238 m	90+	3000K	24°
EM060-EF62RF02-38D	15 W	350mA	1180 lm	90+	2700K	38°
EM060-EF62RF02-38D	15 W	350mA	1242 lm	90+	3000K	38°
EM060-EF62RF02-55D	15 W	350mA	1105 lm	90+	2700K	55°
EM060-EF62RF02-55D	15 W	350mA	989 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

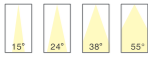
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF62RF03

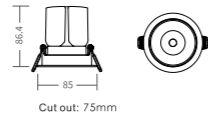
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

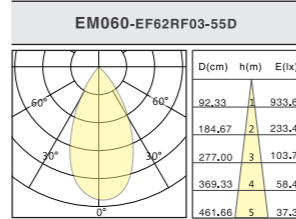
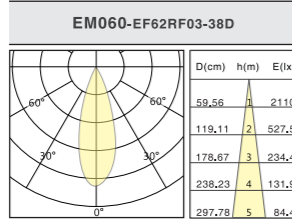
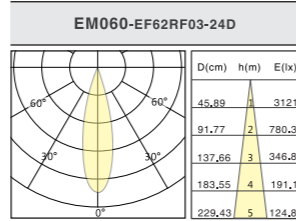
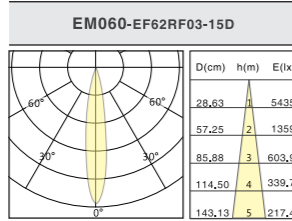


EM060-EF62RF03



Cut out: 75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF62RF03-15D	10 W	250mA	699 lm	90+	2700K	15°
EM060-EF62RF03-15D	10 W	250mA	762 lm	90+	3000K	15°
EM060-EF62RF03-24D	10 W	250mA	735 lm	90+	2700K	24°
EM060-EF62RF03-24D	10 W	250mA	800 lm	90+	3000K	24°
EM060-EF62RF03-38D	10 W	250mA	746 lm	90+	2700K	38°
EM060-EF62RF03-38D	10 W	250mA	813 lm	90+	3000K	38°
EM060-EF62RF03-55D	10 W	250mA	696 lm	90+	2700K	55°
EM060-EF62RF03-55D	10 W	250mA	759 lm	90+	3000K	55°
EM060-EF62RF03-15D	15 W	350mA	1211 lm	90+	2700K	15°
EM060-EF62RF03-15D	15 W	350mA	1275 lm	90+	3000K	15°
EM060-EF62RF03-24D	15 W	350mA	1238 lm	90+	2700K	24°
EM060-EF62RF03-24D	15 W	350mA	1303 lm	90+	3000K	24°
EM060-EF62RF03-38D	15 W	350mA	1242 lm	90+	2700K	38°
EM060-EF62RF03-38D	15 W	350mA	1307 lm	90+	3000K	38°
EM060-EF62RF03-55D	15 W	350mA	1163lm	90+	2700K	55°
EM060-EF62RF03-55D	15 W	350mA	1224 lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF72RA01

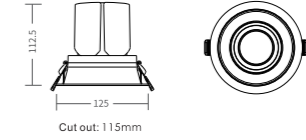
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

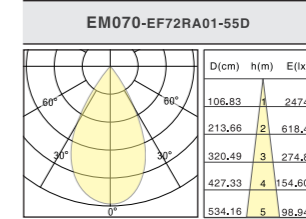
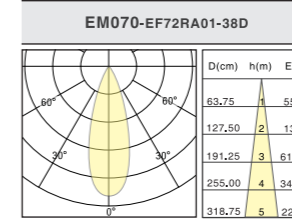
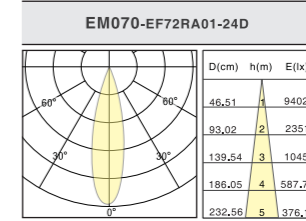
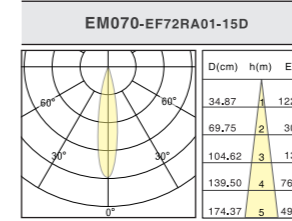


EM070-EF72RA01



Cut out: 115mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF72RA01-15D	20 W	500mA	1843 lm	90+	2700K	15°
EM070-EF72RA01-15D	20 W	500mA	1934 lm	90+	3000K	15°
EM070-EF72RA01-24D	20 W	500mA	1889 lm	90+	2700K	24°
EM070-EF72RA01-24D	20 W	500mA	1982 lm	90+	3000K	24°
EM070-EF72RA01-38D	20 W	500mA	1819 lm	90+	2700K	38°
EM070-EF72RA01-38D	20 W	500mA	1908 lm	90+	3000K	38°
EM070-EF72RA01-55D	20 W	500mA	1647 lm	90+	2700K	55°
EM070-EF72RA01-55D	20 W	500mA	1728 lm	90+	3000K	55°
EM070-EF72RA01-15D	25 W	600mA	2041 lm	90+	2700K	15°
EM070-EF72RA01-15D	25 W	600mA	2049 lm	90+	3000K	15°
EM070-EF72RA01-24D	25 W	600mA	2094 lm	90+	2700K	24°
EM070-EF72RA01-24D	25 W	600mA	2103 lm	90+	3000K	24°
EM070-EF72RA01-38D	25 W	600mA	2110 lm	90+	2700K	38°
EM070-EF72RA01-38D	25 W	600mA	2214 lm	90+	3000K	38°
EM070-EF72RA01-55D	25 W	600mA	1911 lm	90+	2700K	55°
EM070-EF72RA01-55D	25 W	600mA	2005 lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

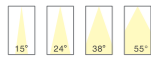
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

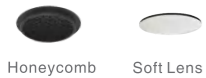
On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF72RF01

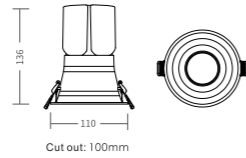
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

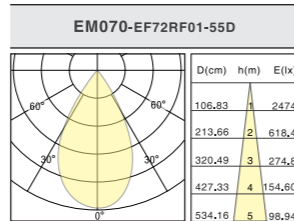
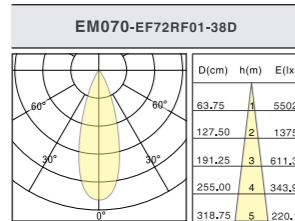
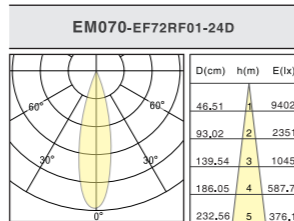
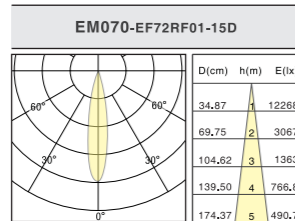


EM070-EF72RF01



Cut out: 100mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF72RF01-15D	20 W	500mA	1843 lm	90+	2700K	15°
EM070-EF72RF01-15D	20 W	500mA	1934 lm	90+	3000K	15°
EM070-EF72RF01-24D	20 W	500mA	1889 lm	90+	2700K	24°
EM070-EF72RF01-24D	20 W	500mA	1982 lm	90+	3000K	24°
EM070-EF72RF01-38D	20 W	500mA	1819 lm	90+	2700K	38°
EM070-EF72RF01-38D	20 W	500mA	1908 lm	90+	3000K	38°
EM070-EF72RF01-55D	20 W	500mA	1647 lm	90+	2700K	55°
EM070-EF72RF01-55D	20 W	500mA	1728 lm	90+	3000K	55°
EM070-EF72RF01-15D	25 W	600mA	2041 lm	90+	2700K	15°
EM070-EF72RF01-15D	25 W	600mA	2049 lm	90+	3000K	15°
EM070-EF72RF01-24D	25 W	600mA	2094 lm	90+	2700K	24°
EM070-EF72RF01-24D	25 W	600mA	2103 lm	90+	3000K	24°
EM070-EF72RF01-38D	25 W	600mA	2110 lm	90+	2700K	38°
EM070-EF72RF01-38D	25W	600mA	2214 lm	90+	3000K	38°
EM070-EF72RF01-55D	25 W	600mA	1911 lm	90+	2700K	55°
EM070-EF72RF01-55D	25 W	600mA	2005 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF92RA01

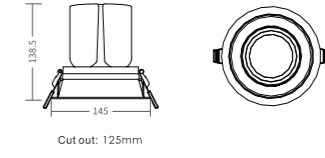
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

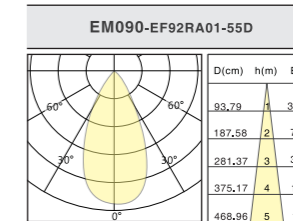
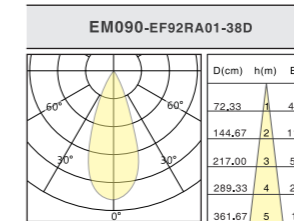
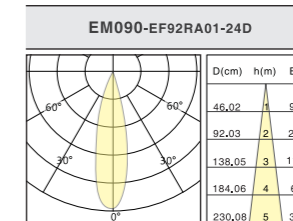
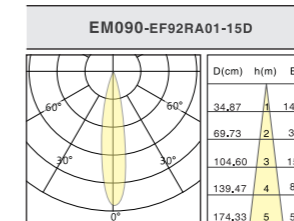


EM090-EF92RA01



Cut out: 125mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF92RA01-15D	30 W	700mA	2270 lm	90+	2700K	15°
EM090-EF92RA01-15D	30 W	700mA	2362 lm	90+	3000K	15°
EM090-EF92RA01-24D	30 W	700mA	2312 lm	90+	2700K	24°
EM090-EF92RA01-24D	30 W	700mA	2406 lm	90+	3000K	24°
EM090-EF92RA01-38D	30 W	700mA	2105 lm	90+	2700K	38°
EM090-EF92RA01-38D	30 W	700mA	2190 lm	90+	3000K	38°
EM090-EF92RA01-55D	30 W	700mA	2250 lm	90+	2700K	55°
EM090-EF92RA01-55D	30 W	700mA	2342 lm	90+	3000K	55°
EM090-EF92RA01-15D	35 W	850mA	2693 lm	90+	2700K	15°
EM090-EF92RA01-15D	35 W	850mA	2803 lm	90+	3000K	15°
EM090-EF92RA01-24D	35 W	850mA	2762 lm	90+	2700K	24°
EM090-EF92RA01-24D	35 W	850mA	2875 lm	90+	3000K	24°
EM090-EF92RA01-38D	35 W	850mA	2516 lm	90+	2700K	38°
EM090-EF92RA01-38D	35 W	850mA	2619 lm	90+	3000K	38°
EM090-EF92RA01-55D	35 W	850mA	2619 lm	90+	2700K	55°
EM090-EF92RA01-55D	35 W	850mA	2800 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

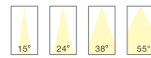
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

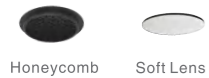
On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF92RA02

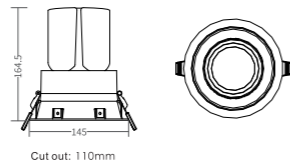
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

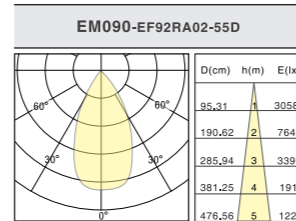
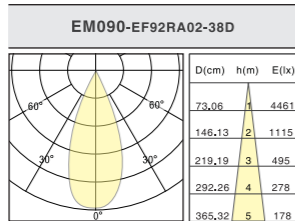
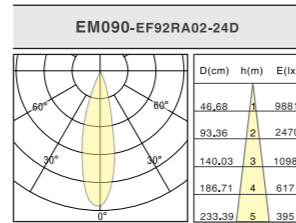
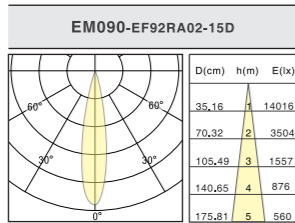


EM090-EF92RA02



Cut out: 110mm

3000K CRI90



Welcome to contact sales@encore-tech.com, ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF92RA02-15D	30 W	700mA	2209 lm	90+	2700K	15°
EM090-EF92RA02-15D	30 W	700mA	2299 lm	90+	3000K	15°
EM090-EF92RA02-24D	30 W	700mA	2262 lm	90+	2700K	24°
EM090-EF92RA02-24D	30 W	700mA	2354 lm	90+	3000K	24°
EM090-EF92RA02-38D	30 W	700mA	2051 lm	90+	2700K	38°
EM090-EF92RA02-38D	30 W	700mA	2134 lm	90+	3000K	38°
EM090-EF92RA02-55D	30 W	700mA	2152 lm	90+	2700K	55°
EM090-EF92RA02-55D	30 W	700mA	2239 lm	90+	3000K	55°
EM090-EF92RA02-15D	35 W	850mA	2684 lm	90+	2700K	15°
EM090-EF92RA02-15D	35 W	850mA	2793 lm	90+	3000K	15°
EM090-EF92RA02-24D	35 W	850mA	2698 lm	90+	2700K	24°
EM090-EF92RA02-24D	35 W	850mA	2808 lm	90+	3000K	24°
EM090-EF92RA02-38D	35 W	850mA	2466 lm	90+	2700K	38°
EM090-EF92RA02-38D	35 W	850mA	2566 lm	90+	3000K	38°
EM090-EF92RA02-55D	35 W	850mA	2573 lm	90+	2700K	55°
EM090-EF92RA02-55D	35 W	850mA	2678 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF92RF01

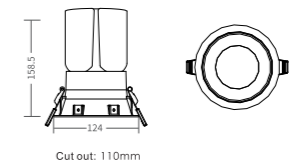
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

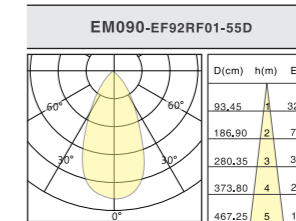
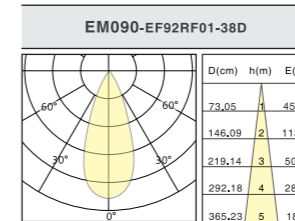
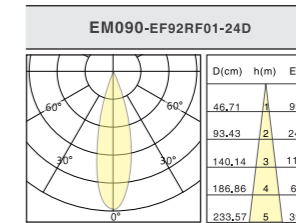
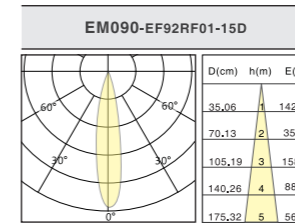


EM090-EF92RF01



Cut out: 110mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF92RF01-15D	30 W	700mA	2230 lm	90+	2700K	15°
EM090-EF92RF01-15D	30 W	700mA	2320 lm	90+	3000K	15°
EM090-EF92RF01-24D	30 W	700mA	2258 lm	90+	2700K	24°
EM090-EF92RF01-24D	30 W	700mA	2349 lm	90+	3000K	24°
EM090-EF92RF01-38D	30 W	700mA	2062 lm	90+	2700K	38°
EM090-EF92RF01-38D	30 W	700mA	2146 lm	90+	3000K	38°
EM090-EF92RF01-55D	30 W	700mA	2177 lm	90+	2700K	55°
EM090-EF92RF01-55D	30 W	700mA	2266 lm	90+	3000K	55°
EM090-EF92RF01-15D	35 W	850mA	2624 lm	90+	2700K	15°
EM090-EF92RF01-15D	35 W	850mA	2731 lm	90+	3000K	15°
EM090-EF92RF01-24D	35 W	850mA	2694 lm	90+	2700K	24°
EM090-EF92RF01-24D	35 W	850mA	2803 lm	90+	3000K	24°
EM090-EF92RF01-38D	35 W	850mA	2465 lm	90+	2700K	38°
EM090-EF92RF01-38D	35 W	850mA	2565 lm	90+	3000K	38°
EM090-EF92RF01-55D	35 W	850mA	2360 lm	90+	2700K	55°
EM090-EF92RF01-55D	35 W	850mA	2451 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

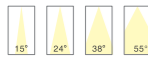
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF92RF02

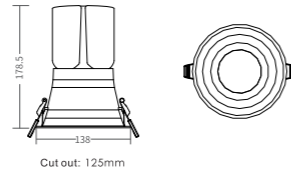
ANTI-GLARE ACCESSORY



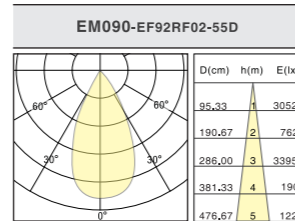
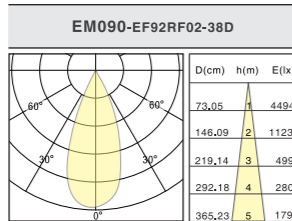
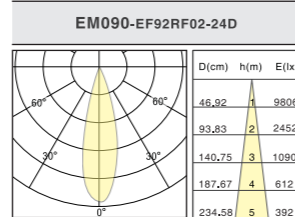
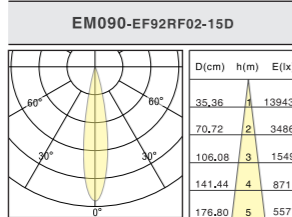
Honeycomb Soft Lens



EM090-EF92RF02



3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF92RF02-15D	30 W	700mA	2259 lm	90+	2700K	15°
EM090-EF92RF02-15D	30 W	700mA	2351 lm	90+	3000K	15°
EM090-EF92RF02-24D	30 W	700mA	2304 lm	90+	2700K	24°
EM090-EF92RF02-24D	30 W	700mA	2398 lm	90+	3000K	24°
EM090-EF92RF02-38D	30 W	700mA	2051 lm	90+	2700K	38°
EM090-EF92RF02-38D	30 W	700mA	2134 lm	90+	3000K	38°
EM090-EF92RF02-55D	30 W	700mA	2203 lm	90+	2700K	55°
EM090-EF92RF02-55D	30 W	700mA	2292 lm	90+	3000K	55°
EM090-EF92RF02-15D	35 W	850mA	2699 lm	90+	2700K	15°
EM090-EF92RF02-15D	35 W	850mA	2809 lm	90+	3000K	15°
EM090-EF92RF02-24D	35 W	850mA	2754 lm	90+	2700K	24°
EM090-EF92RF02-24D	35 W	850mA	2866 lm	90+	3000K	24°
EM090-EF92RF02-38D	35 W	850mA	2509 lm	90+	2700K	38°
EM090-EF92RF02-38D	35 W	850mA	2611 lm	90+	3000K	38°
EM090-EF92RF02-55D	35 W	850mA	2641 lm	90+	2700K	55°
EM090-EF92RF02-55D	35 W	850mA	2748 lm	90+	3000K	55°






























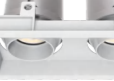





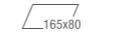





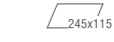








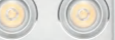







## COMMERCIAL

ELLA-Commercial series, it comes into round and square with super modular design, in various wattages, can be a good lighting solution for any indoor retails or commercial environments. Honeycomb filter can be added to provide maximum visual comfort.



ELLA-Commercial Series Overview

<b>Module</b>	 EM050			 EM060			 EM070			 EM090						
<b>Category</b>	Commercial															
	Adjustable						Adjustable									
<b>Mounting Ring</b>																
<b>Picture&amp;Name</b>																
<b>Cutout (mm)</b>																
<b>Trim Diameter (mm)</b>																
<b>Wattage &amp; Luminous Flux</b>	5W 377lm		8W 625lm		10W 802lm		15W 1134lm		20W 1827lm		25W 2021lm		30W 2435lm		35W 2842lm	
<b>Beam Angle(°)</b>	15°, 24°, 38°, 55°															
<b>Color Temperature</b>	2700K 3000K 4000K															
<b>Color Rendering Index_CRI</b>	80+, 90+															
<b>Dimming Control</b>	On-off, Phase dim, 1-10V, DALI															
<b>Anti-glare Accessory</b>	 Honeycomb  Soft Lens															





**MAIN FEATURES**

- Elegant & compact in its style, versatile in its using.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Round & square mounting rings with tiltable 30° axis, also can be dual-head.
- Super modular design, replacing LED module, mounting ring, beam lens and anti-glare accessories without any needs for tools.
- IP20 is standard, IP44 is optional.

Order options

LED MODULE



EM050

SYSTEM POWER

5W  
8W

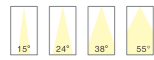
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING

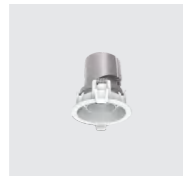


EF53RA01 EF53SA01

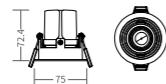
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens



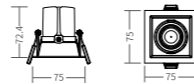
EM050-EF53RA01



Cut out: 65mm

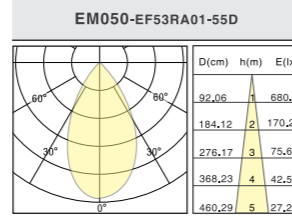
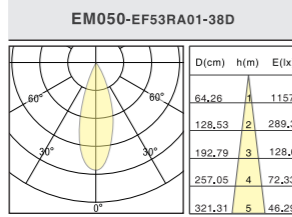
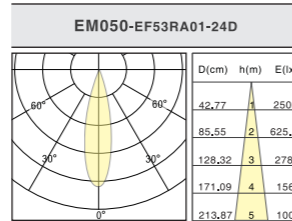
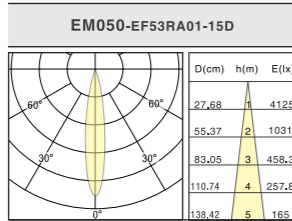


EM050-EF53SA01



Cut out: 65x65mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM050-EF53RA01-15D	5 W	120mA	355 lm	90+	2700K	15°
EM050-EF53RA01-15D	5 W	120mA	369 lm	90+	3000K	15°
EM050-EF53RA01-24D	5 W	120mA	362 lm	90+	2700K	24°
EM050-EF53RA01-24D	5 W	120mA	377 lm	90+	3000K	24°
EM050-EF53RA01-38D	5 W	120mA	363 lm	90+	2700K	38°
EM050-EF53RA01-38D	5 W	120mA	377 lm	90+	3000K	38°
EM050-EF53RA01-55D	5 W	120mA	344 lm	90+	2700K	55°
EM050-EF53RA01-55D	5 W	120mA	358 lm	90+	3000K	55°
EM050-EF53RA01-15D	8 W	180mA	589 lm	90+	2700K	15°
EM050-EF53RA01-15D	8 W	180mA	613 lm	90+	3000K	15°
EM050-EF53RA01-24D	8 W	180mA	601 lm	90+	2700K	24°
EM050-EF53RA01-24D	8 W	180mA	625 lm	90+	3000K	24°
EM050-EF53RA01-38D	8 W	180mA	601 lm	90+	2700K	38°
EM050-EF53RA01-38D	8 W	180mA	625 lm	90+	3000K	38°
EM050-EF53RA01-55D	8 W	180mA	570 lm	90+	2700K	55°
EM050-EF53RA01-55D	8 W	180mA	593 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF63RA01 EF63SA01

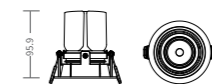
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens



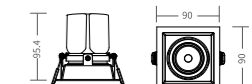
EM060-EF63RA01



Cut out: 80mm

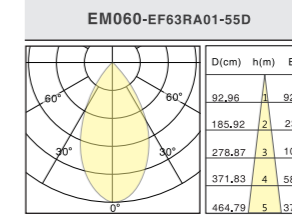
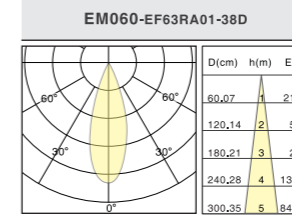
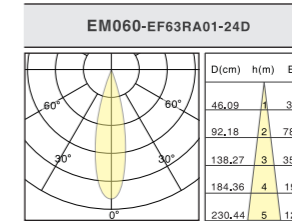
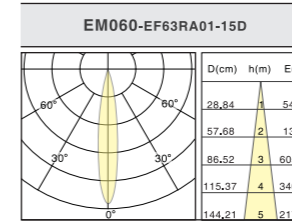


EM060-EF63SA01



Cut out: 80x80mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF63RA01-15D	10 W	250mA	698 lm	90+	2700K	15°
EM060-EF63RA01-15D	10 W	250mA	760 lm	90+	3000K	15°
EM060-EF63RA01-24D	10 W	250mA	736 lm	90+	2700K	24°
EM060-EF63RA01-24D	10 W	250mA	802 lm	90+	3000K	24°
EM060-EF63RA01-38D	10 W	250mA	744 lm	90+	2700K	38°
EM060-EF63RA01-38D	10 W	250mA	811 lm	90+	3000K	38°
EM060-EF63RA01-55D	10 W	250mA	690 lm	90+	2700K	55°
EM060-EF63RA01-55D	10 W	250mA	752 lm	90+	3000K	55°
EM060-EF63RA01-15D	15W	350mA	988 lm	90+	2700K	15°
EM060-EF63RA01-15D	15 W	350mA	1030 lm	90+	3000K	15°
EM060-EF63RA01-24D	15 W	350mA	1067 lm	90+	2700K	24°
EM060-EF63RA01-24D	15 W	350mA	1123 lm	90+	3000K	24°
EM060-EF63RA01-38D	15 W	350mA	1088 lm	90+	2700K	38°
EM060-EF63RA01-38D	15 W	350mA	1134 lm	90+	3000K	38°
EM060-EF63RA01-55D	15 W	350mA	1036 lm	90+	2700K	55°
EM060-EF63RA01-55D	15 W	350mA	1091 lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

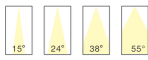
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF73RA01 EF73SA01

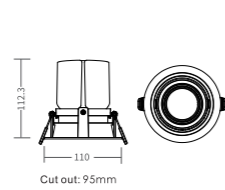
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens



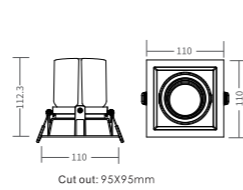
EM070-EF73RA01



Cut out: 95mm

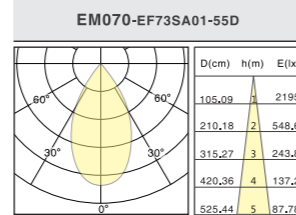
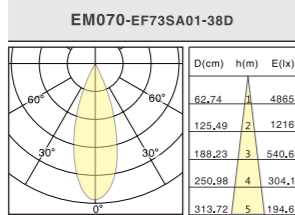
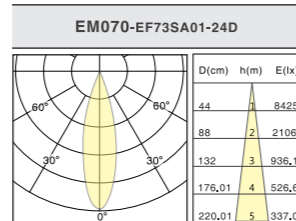
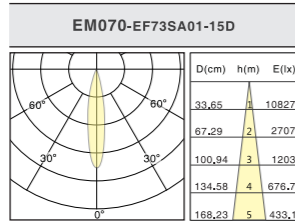


EM070-EF73SA01



Cut out: 95X95mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF73SA01-15D	20 W	500mA	1723 lm	90+	2700K	15°
EM070-EF73SA01-15D	20 W	500mA	1795 lm	90+	3000K	15°
EM070-EF73SA01-24D	20 W	500mA	1754 lm	90+	2700K	24°
EM070-EF73SA01-24D	20 W	500mA	1827 lm	90+	3000K	24°
EM070-EF73SA01-38D	20 W	500mA	1685 lm	90+	2700K	38°
EM070-EF73SA01-38D	20 W	500mA	1775 lm	90+	3000K	38°
EM070-EF73SA01-55D	20 W	500mA	1539 lm	90+	2700K	55°
EM070-EF73SA01-55D	20 W	500mA	1604 lm	90+	3000K	55°
EM070-EF73SA01-15D	25 W	600mA	1906 lm	90+	2700K	15°
EM070-EF73SA01-15D	25 W	600mA	1985 lm	90+	3000K	15°
EM070-EF73SA01-24D	25 W	600mA	1940 lm	90+	2700K	24°
EM070-EF73SA01-24D	25 W	600mA	2021 lm	90+	3000K	24°
EM070-EF73SA01-38D	25 W	600mA	1864 lm	90+	2700K	38°
EM070-EF73SA01-38D	25 W	600mA	1941 lm	90+	3000K	38°
EM070-EF73SA01-55D	25 W	600mA	1610 lm	90+	2700K	55°
EM070-EF73SA01-55D	25 W	600mA	1772 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF93RA01 EF93SA01

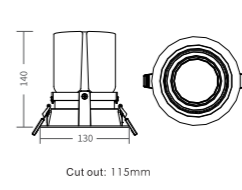
ANTI-GLARE ACCESSORY



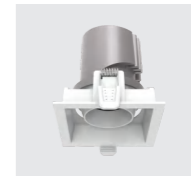
Honeycomb Soft Lens



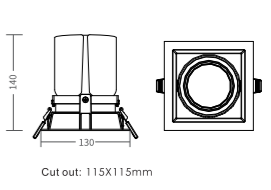
EM090-EF93RA01



Cut out: 115mm

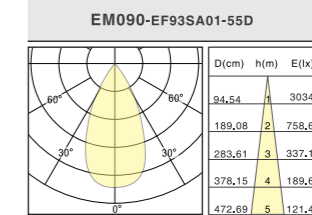
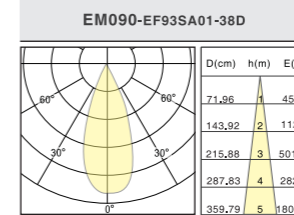
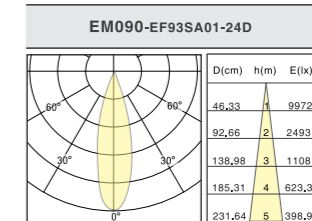
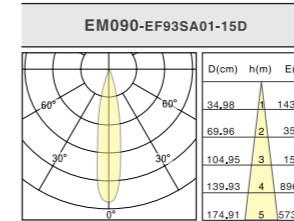


EM090-EF93SA01



Cut out: 115X115mm

3000K CRI90



Welcome to contact sales@encore-tech.com, ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF93SA01-15D	30W	700mA	2255 lm	90+	2700K	15°
EM090-EF93SA01-15D	30 W	700mA	2346 lm	90+	3000K	15°
EM090-EF93SA01-24D	30 W	700mA	2340 lm	90+	2700K	24°
EM090-EF93SA01-24D	30 W	700mA	2435 lm	90+	3000K	24°
EM090-EF93SA01-38D	30 W	700mA	2106 lm	90+	2700K	38°
EM090-EF93SA01-38D	30 W	700mA	2191 lm	90+	3000K	38°
EM090-EF93SA01-55D	30 W	700mA	2299 lm	90+	2700K	55°
EM090-EF93SA01-55D	30W	700mA	2392 lm	90+	3000K	55°
EM090-EF93SA01-15D	35 W	850mA	2698 lm	90+	2700K	15°
EM090-EF93SA01-15D	35 W	850mA	2807 lm	90+	3000K	15°
EM090-EF93SA01-24D	35 W	850mA	2731 lm	90+	2700K	24°
EM090-EF93SA01-24D	35 W	850mA	2842 lm	90+	3000K	24°
EM090-EF93SA01-38D	35 W	850mA	2520 lm	90+	2700K	38°
EM090-EF93SA01-38D	35 W	850mA	2622 lm	90+	3000K	38°
EM090-EF93SA01-55D	35 W	850mA	2720 lm	90+	2700K	55°
EM090-EF93SA01-55D	35 W	850mA	2830 lm	90+	3000K	55°

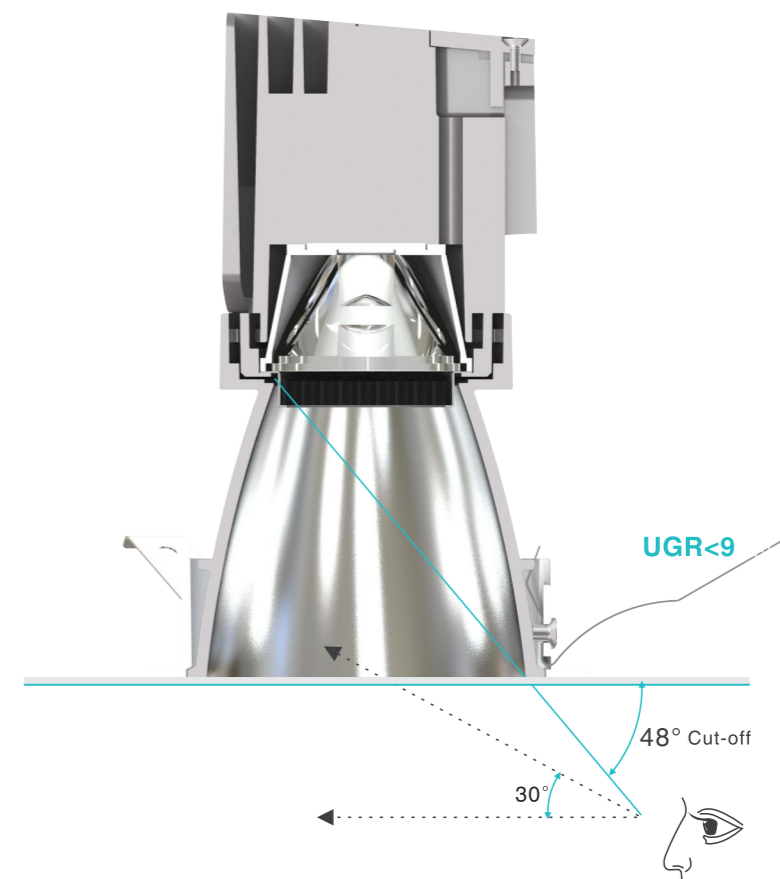


## DEEP ANTI-GLARE

ELLA-Deep Anti-glare series, deep recessed mounting ring enable 48° cut-off for excellent glare control. The luminaires blend elegantly into the ceiling layout and embody the philosophy of "light instead of luminaires." Super modular design with round as well as square, honeycomb filter can be added to provide maximum visual comfort.

## Anti-glare






























In the glare free angle, there is no direct view of the LED and the visible part of the reflector produces practically no glare at all. This zone offers very high visual comfort.

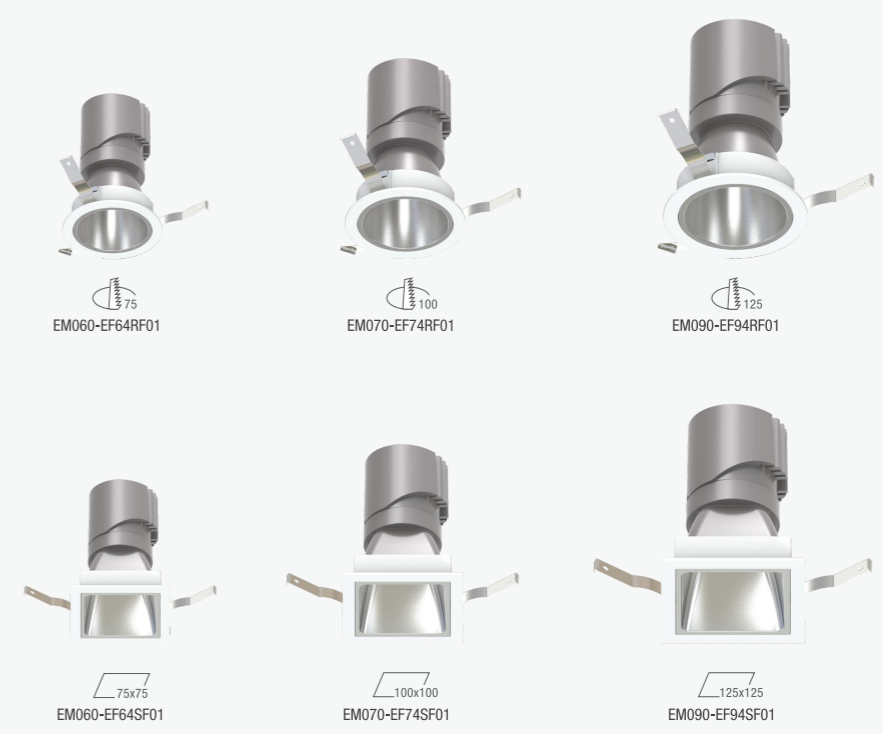
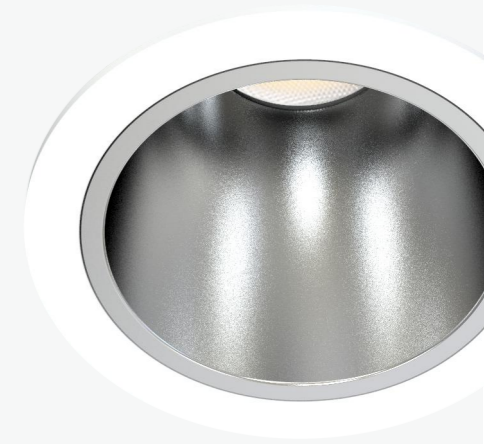


### MAIN FEATURES

- Elegant & compact in its style, versatile in its using.
- Precise light control, UGR<9.
- Super modular design, replacing LED module, mounting ring, beam lens and anti-glare accessories without any needs for tools.
- IP20 is standard, IP44 is optional.

ELLA-Deep Anti-Glare Series Overview

<b>Module</b>	 EM060	 EM070	 EM090			
<b>Category</b>	Deep Anti-Glare					
	Fixed					
<b>Mounting Ring</b>	 EF64RF01	 EF64SF01	 EF74RF01	 EF74SF01	 EF94RF01	 EF94SF01
<b>Picture&amp;Name</b>	 EM060-EF64RF01	 EM060-EF64SF01	 EM070-EF74RF01	 EM070-EF74SF01	 EM090-EF94RF01	 EM090-EF94SF01
<b>Cutout (mm)</b>	 75	 75x75	 100	 100x100	 125	 125x125
<b>Trim Diameter (mm)</b>	 Φ85	 85x85	 Φ112	 112x112	 Φ140	 140x140
<b>Wattage &amp; Luminous Flux</b>	10W 756lm	15W 1249lm	20W 1796lm	25W 2302lm	30W 2274lm	35W 2698lm
<b>Beam Angle(°)</b>	15°, 24°, 38°, 55°					
<b>Color Temperature</b>	2700K 3000K 4000K					
<b>Color Rendering Index_CRI</b>	80+, 90+					
<b>Dimming Control</b>	On-off, Phase dim, 1-10V, DALI					
<b>Anti-glare Accessory</b>	 Honeycomb		 Soft Lens			



Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

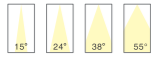
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF64RF01

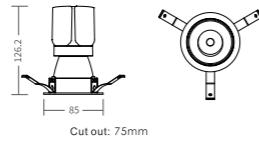
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

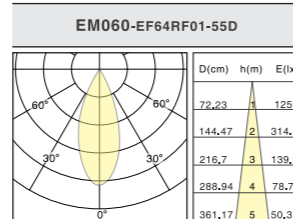
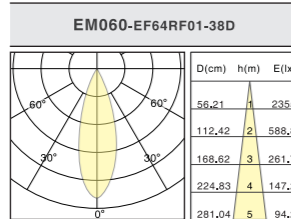
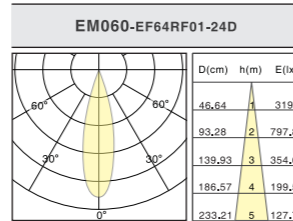
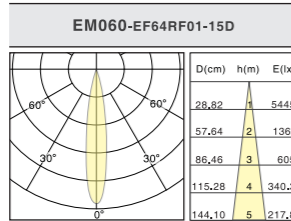


EM060-EF64RF01



Cut out: 75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF64RF01-15D	10 W	250mA	644 lm	90+	2700K	15°
EM060-EF64RF01-15D	10 W	250mA	701 lm	90+	3000K	15°
EM060-EF64RF01-24D	10 W	250mA	694 lm	90+	2700K	24°
EM060-EF64RF01-24D	10 W	250mA	756 lm	90+	3000K	24°
EM060-EF64RF01-38D	10 W	250mA	692 lm	90+	2700K	38°
EM060-EF64RF01-38D	10 W	250mA	754 lm	90+	3000K	38°
EM060-EF64RF01-55D	10 W	250mA	598 lm	90+	2700K	55°
EM060-EF64RF01-55D	10 W	250mA	652 lm	90+	3000K	55°
EM060-EF64RF01-15D	15 W	350mA	1115 lm	90+	2700K	15°
EM060-EF64RF01-15D	15 W	350mA	1232 lm	90+	3000K	15°
EM060-EF64RF01-24D	15 W	350mA	1130 lm	90+	2700K	24°
EM060-EF64RF01-24D	15 W	350mA	1249 lm	90+	3000K	24°
EM060-EF64RF01-38D	15 W	350mA	1104 lm	90+	2700K	38°
EM060-EF64RF01-38D	15 W	350mA	1219 lm	90+	3000K	38°
EM060-EF64RF01-55D	15 W	350mA	1034 lm	90+	2700K	55°
EM060-EF64RF01-55D	15 W	350mA	1142 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF64SF01

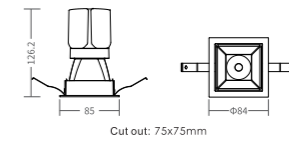
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

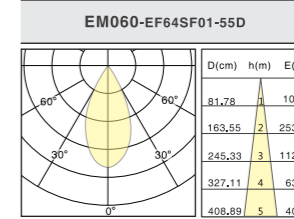
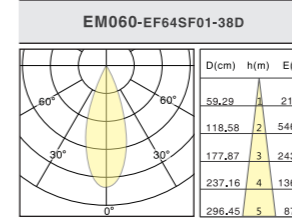
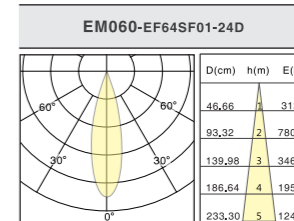
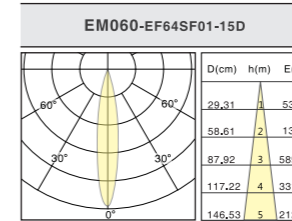


EM060-EF64SF01



Cut out: 75x75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF64SF01-15D	10 W	250mA	653lm	90+	2700K	15°
EM060-EF64SF01-15D	10 W	250mA	712 lm	90+	3000K	15°
EM060-EF64SF01-24D	10 W	250mA	698 lm	90+	2700K	24°
EM060-EF64SF01-24D	10 W	250mA	761 lm	90+	3000K	24°
EM060-EF64SF01-38D	10 W	250mA	701 lm	90+	2700K	38°
EM060-EF64SF01-38D	10 W	250mA	764 lm	90+	3000K	38°
EM060-EF64SF01-55D	10 W	250mA	619 lm	90+	2700K	55°
EM060-EF64SF01-55D	10 W	250mA	675 lm	90+	3000K	55°
EM060-EF64SF01-15D	15 W	350mA	1115 lm	90+	2700K	15°
EM060-EF64SF01-15D	15W	350mA	1232 lm	90+	3000K	15°
EM060-EF64SF01-24D	15 W	350mA	1130 lm	90+	2700K	24°
EM060-EF64SF01-24D	15 W	350mA	1249 lm	90+	3000K	24°
EM060-EF64SF01-38D	15 W	350mA	1104 lm	90+	2700K	38°
EM060-EF64SF01-38D	15 W	350mA	1219 lm	90+	3000K	38°
EM060-EF64SF01-55D	15 W	350mA	1034 lm	90+	2700K	55°
EM060-EF64SF01-55D	15 W	350mA	1142 lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

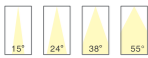
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF74RF01

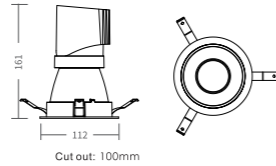
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

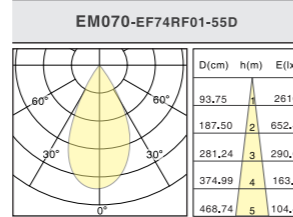
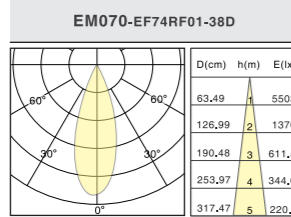
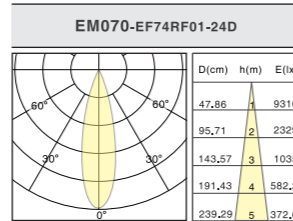
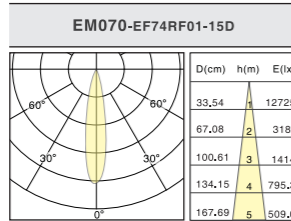


EM070-EF74RF01



Cut out: 100mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF74RF01-15D	20 W	500mA	1775 lm	90+	2700K	15°
EM070-EF74RF01-15D	20 W	500mA	1849 lm	90+	3000K	15°
EM070-EF74RF01-24D	20 W	500mA	1730 lm	90+	2700K	24°
EM070-EF74RF01-24D	20 W	500mA	1796 lm	90+	3000K	24°
EM070-EF74RF01-38D	20 W	500mA	1562 lm	90+	2700K	38°
EM070-EF74RF01-38D	20 W	500mA	1622 lm	90+	3000K	38°
EM070-EF74RF01-55D	20 W	500mA	1353 lm	90+	2700K	55°
EM070-EF74RF01-55D	20 W	500mA	1405 lm	90+	3000K	55°
EM070-EF74RF01-15D	25 W	600mA	2005 lm	90+	2700K	15°
EM070-EF74RF01-15D	25 W	600mA	2069 lm	90+	3000K	15°
EM070-EF74RF01-24D	25 W	600mA	2216 lm	90+	2700K	24°
EM070-EF74RF01-24D	25 W	600mA	2302 lm	90+	3000K	24°
EM070-EF74RF01-38D	25 W	600mA	1919 lm	90+	2700K	38°
EM070-EF74RF01-38D	25 W	600mA	1926 lm	90+	3000K	38°
EM070-EF74RF01-55D	25 W	600mA	1734 lm	90+	2700K	55°
EM070-EF74RF01-55D	25 W	600mA	1801 lm	90+	3000K	55°

Order options

LED MODULE



EM070

SYSTEM POWER

20W  
25W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF74SF01

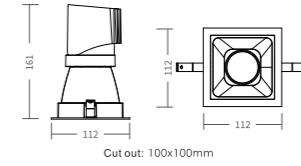
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

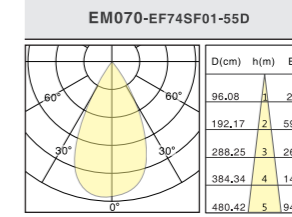
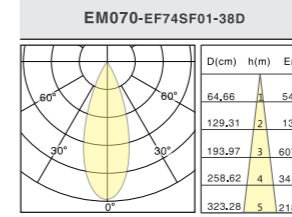
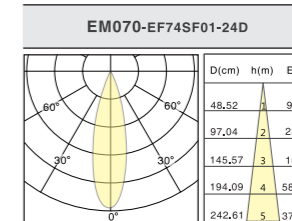
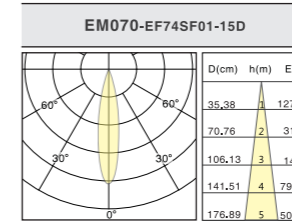


EM070-EF74SF01



Cut out: 100x100mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM070-EF74SF01-15D	20 W	500mA	1775 lm	90+	2700K	15°
EM070-EF74SF01-15D	20 W	500mA	1849 lm	90+	3000K	15°
EM070-EF74SF01-24D	20 W	500mA	1730 lm	90+	2700K	24°
EM070-EF74SF01-24D	20 W	500mA	1796 lm	90+	3000K	24°
EM070-EF74SF01-38D	20 W	500mA	1562 lm	90+	2700K	38°
EM070-EF74SF01-38D	20 W	500mA	1622 lm	90+	3000K	38°
EM070-EF74SF01-55D	20 W	500mA	1353 lm	90+	2700K	55°
EM070-EF74SF01-55D	20 W	500mA	1405 lm	90+	3000K	55°
EM070-EF74SF01-15D	25 W	600mA	2099 lm	90+	2700K	15°
EM070-EF74SF01-15D	25 W	600mA	2221 lm	90+	3000K	15°
EM070-EF74SF01-24D	25 W	600mA	2204 lm	90+	2700K	24°
EM070-EF74SF01-24D	25 W	600mA	2332 lm	90+	3000K	24°
EM070-EF74SF01-38D	25 W	600mA	2035 lm	90+	2700K	38°
EM070-EF74SF01-38D	25 W	600mA	2154 lm	90+	3000K	38°
EM070-EF74SF01-55D	25 W	600mA	1735 lm	90+	2700K	55°
EM070-EF74SF01-55D	25 W	600mA	1836 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

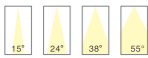
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF94RF01

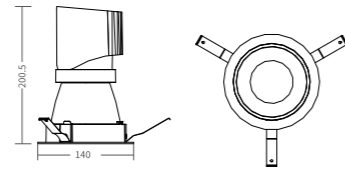
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

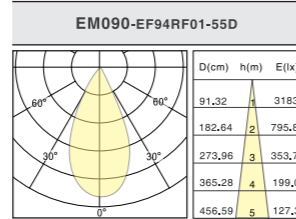
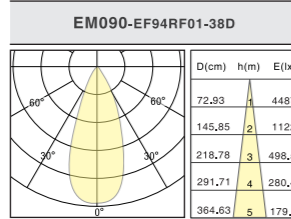
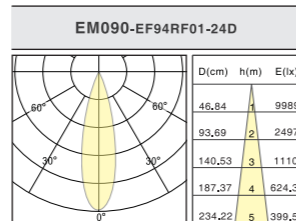
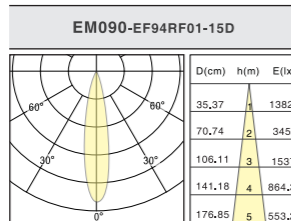


EM090-EF94RF01



Cut out: 125mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF94RF01-15D	30 W	700mA	2087 lm	90+	2700K	15°
EM090-EF94RF01-15D	30 W	700mA	2172 lm	90+	3000K	15°
EM090-EF94RF01-24D	30 W	700mA	2185 lm	90+	2700K	24°
EM090-EF94RF01-24D	30 W	700mA	2274 lm	90+	3000K	24°
EM090-EF94RF01-38D	30 W	700mA	1979 lm	90+	2700K	38°
EM090-EF94RF01-38D	30 W	700mA	2060 lm	90+	3000K	38°
EM090-EF94RF01-55D	30 W	700mA	1997 lm	90+	2700K	55°
EM090-EF94RF01-55D	30 W	700mA	2078 lm	90+	3000K	55°
EM090-EF94RF01-15D	35 W	850mA	2487 lm	90+	2700K	15°
EM090-EF94RF01-15D	35 W	850mA	2588 lm	90+	3000K	15°
EM090-EF94RF01-24D	35 W	850mA	2593 lm	90+	2700K	24°
EM090-EF94RF01-24D	35 W	850mA	2698 lm	90+	3000K	24°
EM090-EF94RF01-38D	35 W	850mA	2387 lm	90+	2700K	38°
EM090-EF94RF01-38D	35 W	850mA	2484 lm	90+	3000K	38°
EM090-EF94RF01-55D	35 W	850mA	2401 lm	90+	2700K	55°
EM090-EF94RF01-55D	35 W	850mA	2498 lm	90+	3000K	55°

Order options

LED MODULE



EM090

SYSTEM POWER

30W  
35W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF94SF01

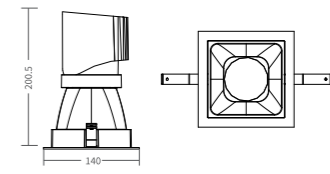
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

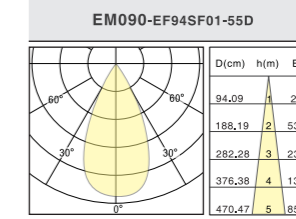
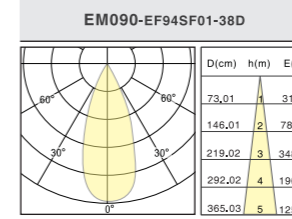
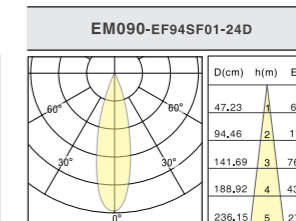
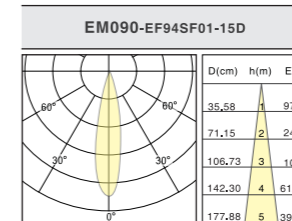


EM090-EF94SF01



Cut out: 125X125mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM090-EF94SF01-15D	30 W	700mA	2180 lm	90+	2700K	15°
EM090-EF94SF01-15D	30 W	700mA	2268 lm	90+	3000K	15°
EM090-EF94SF01-24D	30 W	700mA	2215 lm	90+	2700K	24°
EM090-EF94SF01-24D	30 W	700mA	2305 lm	90+	3000K	24°
EM090-EF94SF01-38D	30 W	700mA	2017 lm	90+	2700K	38°
EM090-EF94SF01-38D	30 W	700mA	2099 lm	90+	3000K	38°
EM090-EF94SF01-55D	30 W	700mA	2138 lm	90+	2700K	55°
EM090-EF94SF01-55D	30 W	700mA	2225 lm	90+	3000K	55°
EM090-EF94SF01-15D	35 W	850mA	2601 lm	90+	2700K	15°
EM090-EF94SF01-15D	35 W	850mA	2707 lm	90+	3000K	15°
EM090-EF94SF01-24D	35 W	850mA	2648 lm	90+	2700K	24°
EM090-EF94SF01-24D	35 W	850mA	2775 lm	90+	3000K	24°
EM090-EF94SF01-38D	35 W	850mA	2419 lm	90+	2700K	38°
EM090-EF94SF01-38D	35 W	850mA	2517 lm	90+	3000K	38°
EM090-EF94SF01-55D	35 W	850mA	2540 lm	90+	2700K	55°
EM090-EF94SF01-55D	35 W	850mA	2643 lm	90+	3000K	55°





ELLA-Wall washer Series Overview

Module	<p>EM060</p>	
Category	Wall washer	
	Fixed	
Mounting Ring	<p>EF65RF01</p>	<p>EF65SF01</p>
Picture&Name	<p>EM060-EF65RF01</p>	<p>EM060-EF65SF01</p>
Cutout (mm)	<p>75</p>	<p>75x75</p>
Trim Diameter (mm)	<p>Φ88</p>	<p>88x88</p>
Wattage & Luminous Flux	9W 777lm	13W 880lm
Beam Angle(°)	15°, 24°, 38°, 55°	
Color Temperature	2700K 3000K 4000K	
Color Rendering Index_CRI	80+, 90+	
Dimming Control	On-off, Phase dim, 1-10V, DALI	
Anti-glare Accessory	<p>Honeycomb</p>	<p>Soft Lens</p>

# WALL WASHER

ELLA-Wall washer series , can wash the wall thanks to it's asymmetric light distribution. Super modular design with round as well as square, honeycomb filter can be added to provide maximum visual comfort.



**MAIN FEATURES**

- Elegant & compact in its style, versatile in its using.
- Asymmetric light distribution.
- Super modular design, replacing LED module, mounting ring, beam lens and anti-glare accessories without any needs for tools.
- IP20 is standard, IP44 is optional.

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

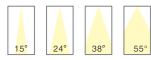
COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF65RF01

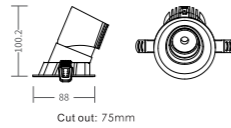
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

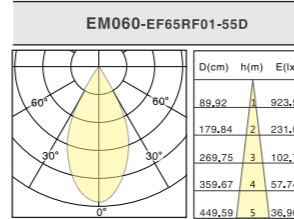
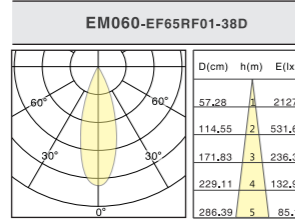
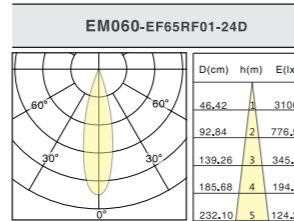
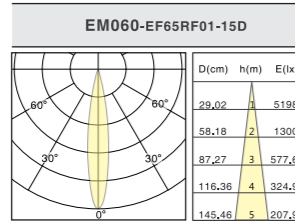


EM060-EF65RF01



Cut out: 75mm

3000K CRI90



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Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF65RF01-15D	10 W	250mA	685 lm	90+	2700K	15°
EM060-EF65RF01-15D	10 W	250mA	746 lm	90+	3000K	15°
EM060-EF65RF01-24D	10 W	250mA	733 lm	90+	2700K	24°
EM060-EF65RF01-24D	10 W	250mA	798 lm	90+	3000K	24°
EM060-EF65RF01-38D	10 W	250mA	734 lm	90+	2700K	38°
EM060-EF65RF01-38D	10 W	250mA	800 lm	90+	3000K	38°
EM060-EF65RF01-55D	10 W	250mA	681 lm	90+	2700K	55°
EM060-EF65RF01-55D	10 W	250mA	742 lm	90+	3000K	55°
EM060-EF65RF01-15D	15 W	350mA	1126 lm	90+	2700K	15°
EM060-EF65RF01-15D	15 W	350mA	1245 lm	90+	3000K	15°
EM060-EF65RF01-24D	15 W	350mA	1142 lm	90+	2700K	24°
EM060-EF65RF01-24D	15 W	350mA	1262 lm	90+	3000K	24°
EM060-EF65RF01-38D	15 W	350mA	1115 lm	90+	2700K	38°
EM060-EF65RF01-38D	15 W	350mA	1232 lm	90+	3000K	38°
EM060-EF65RF01-55D	15 W	350mA	1045 lm	90+	2700K	55°
EM060-EF65RF01-55D	15 W	350mA	1154 lm	90+	3000K	55°

Order options

LED MODULE



EM060

SYSTEM POWER

10W  
15W

COLOR TEMPERATURE

2700K  
3000K

COLOR RENDERING INDEX\_CRI

CRI 80  
CRI 90

PRIMARY LENS



DIMMING CONTROL

On-off  
Phase dim  
1-10V  
DALI

MOUNTING RING



EF65SF01

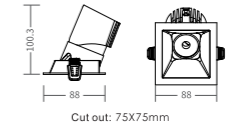
ANTI-GLARE ACCESSORY



Honeycomb Soft Lens

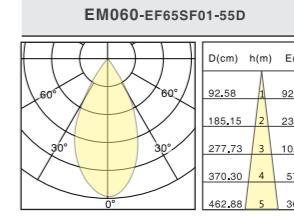
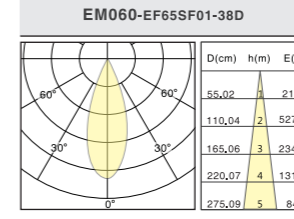
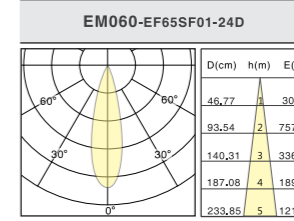
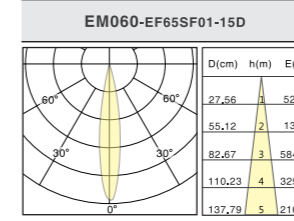


EM060-EF65SF01



Cut out: 75X75mm

3000K CRI90



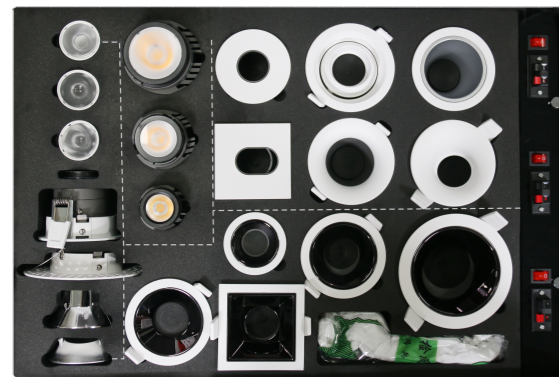
Welcome to contact sales@encore-tech.com, ask the latest IES files.

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EM060-EF65SF01-15D	10 W	250mA	687 lm	90+	2700K	15°
EM060-EF65SF01-15D	10 W	250mA	748 lm	90+	3000K	15°
EM060-EF65SF01-24D	10 W	250mA	743 lm	90+	2700K	24°
EM060-EF65SF01-24D	10 W	250mA	809 lm	90+	3000K	24°
EM060-EF65SF01-38D	10 W	250mA	742 lm	90+	2700K	38°
EM060-EF65SF01-38D	10 W	250mA	808 lm	90+	3000K	38°
EM060-EF65SF01-55D	10 W	250mA	690 lm	90+	2700K	55°
EM060-EF65SF01-55D	10 W	250mA	752 lm	90+	3000K	55°
EM060-EF65SF01-15D	15 W	350mA	1126 lm	90+	2700K	15°
EM060-EF65SF01-15D	15 W	350mA	1245 lm	90+	3000K	15°
EM060-EF65SF01-24D	15 W	350mA	1142 lm	90+	2700K	24°
EM060-EF65SF01-24D	15 W	350mA	1262 lm	90+	3000K	24°
EM060-EF65SF01-38D	15 W	350mA	1115 lm	90+	2700K	38°
EM060-EF65SF01-38D	15 W	350mA	1232 lm	90+	3000K	38°
EM060-EF65SF01-55D	15 W	350mA	1045 lm	90+	2700K	55°
EM060-EF65SF01-55D	15 W	350mA	1154 lm	90+	3000K	55°

# ELLA Downlight System Display Case



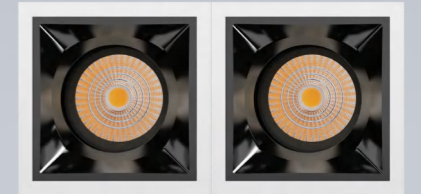
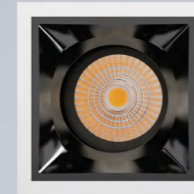
Weight: 11kg








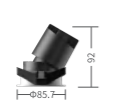

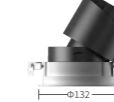
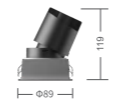


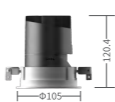


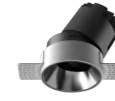
























# VILLA

VILLA is not only an aesthetic designed downlight, but also release high quality light thanks to combination of a precision light beam reflector and secondary reflector. Four sizes with wattages from 5W to 25W plus adjustable version and fixed version, VILLA is truly a LED down light system. So, when you have an environment where ask for different light solution & different cut-outs, VILLA family will be a great choice to get a unified impression.



LED DOWN LIGHT SYSTEM

VILLA OVERVIEW

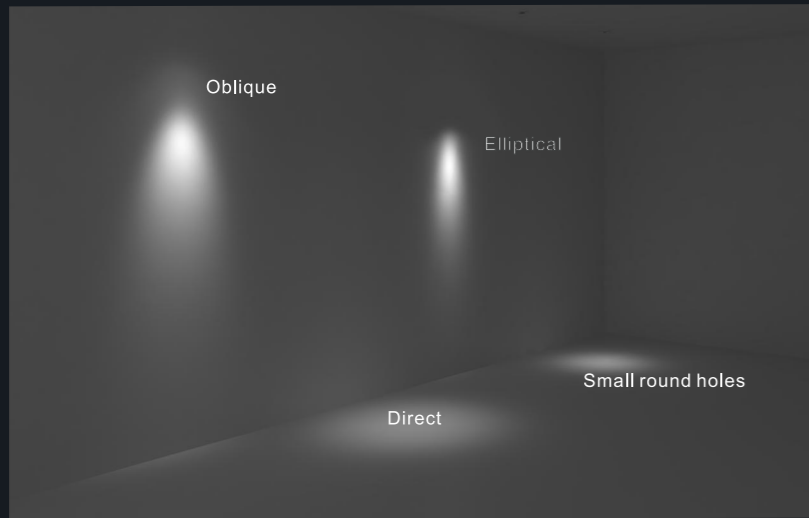
Series	Adjustable		Fixed	
Pictures	 <p>Round Adjustable</p>		 <p>Square Adjustable</p>	
Model & Size (mm)	 <b>VRA050</b> Φ50  <b>VRA075</b> Φ75  <b>VRA095</b> Φ95  <b>VRA120</b> Φ120	 <b>VSA082</b> Φ82	 <b>VRF050</b> Φ50  <b>VRF075</b> Φ75  <b>VRF095</b> Φ95  <b>VRF120</b> Φ120	
Trimless Version	 		 	
Wattage and Luminous Flux	<b>5W</b> 252lm <b>10W</b> 565lm <b>18W</b> 1069lm <b>25W</b> 1592lm	<b>10W</b> 565lm	<b>5W</b> 252lm <b>10W</b> 565lm <b>18W</b> 1069lm <b>25W</b> 1592lm	
Beam Angle(°)	<b>5W:</b> 15°, 24°, 38° <b>18W:</b> 15°, 24°, 38°, 60° <b>10W:</b> 15°, 24°, 38° <b>25W:</b> 15°, 24°, 38°	15°, 24°, 38°	<b>5W:</b> 15°, 24°, 38° <b>18W:</b> 15°, 24°, 38°, 60° <b>10W:</b> 15°, 24°, 38° <b>25W:</b> 15°, 24°, 38°	
Color Temperature	2700K 3000K 4000K		2700K 3000K 4000K	
Color Rendering Index_CRI	80+, 90+		80+, 90+	
Dimming	ON/OFF Triac-DIM DALI-DIM 1-10V-DIM		ON/OFF Triac-DIM DALI-DIM 1-10V-DIM	
Secondary Reflector Color	 Black  White  Gold  Specular  Pearl Black		 Black  White  Gold  Specular  Pearl Black	
Anti-glare Accessory	<b>5W</b>  Honeycomb	<b>10W</b> <b>18W</b> <b>25W</b>  Honeycomb  Medium Soft Light  Rectangular Light  Square Light  Flood Soft Light	<b>5W</b>  Honeycomb	<b>10W</b> <b>18W</b> <b>25W</b>  Honeycomb  Medium Soft Light  Rectangular Light  Square Light  Flood Soft Light

### Light Quality

### Anti-glare Structure

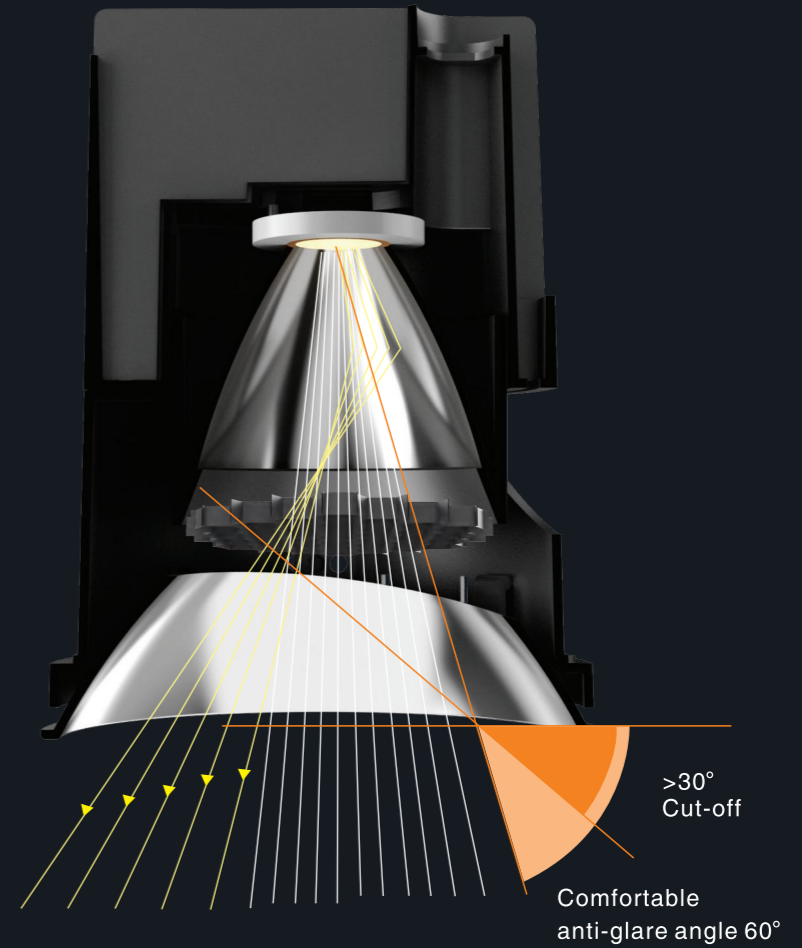
- Light

Light is an experience.  
Light creates unique atmospheres.  
Thanks to combination of a precision light beam reflector and secondary reflector, VILLA releases a high quality light in the end.  
The light direction can be tilt 30° to wash the wall or face to the floor with clean & smooth light distribution.



- Precise control of light

Four kinds of facial rings can be selected to create different light spot atmosphere and outstanding light shape. Optional oblique/direct/elliptical/small round holes.



- Beam angle

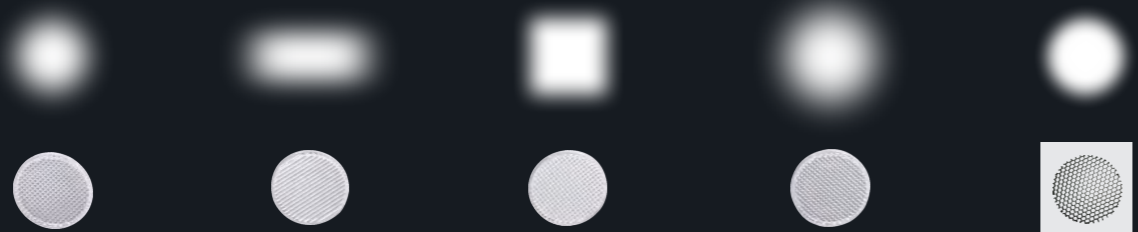
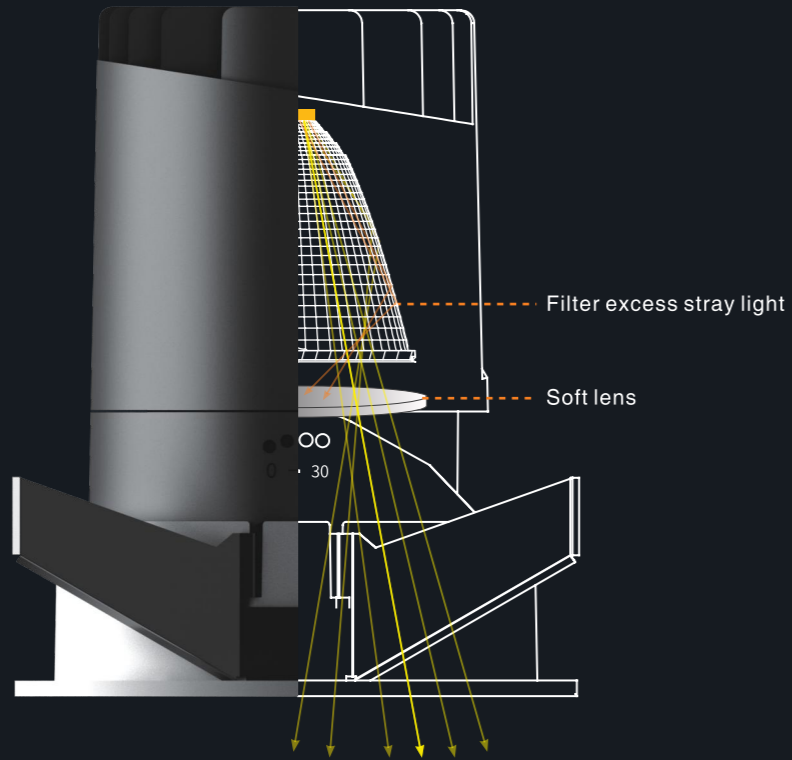
Villa has 15°, 24°, 38° beam angle for your choice, you also can add anti-glare accessories to creates visual comfort.



- Anti-glare

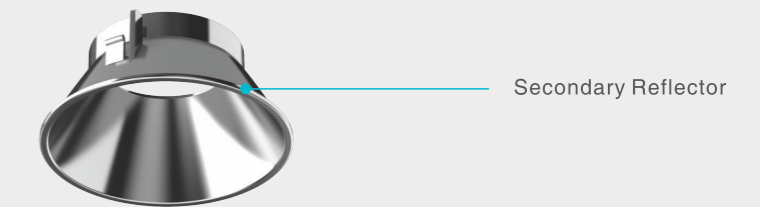
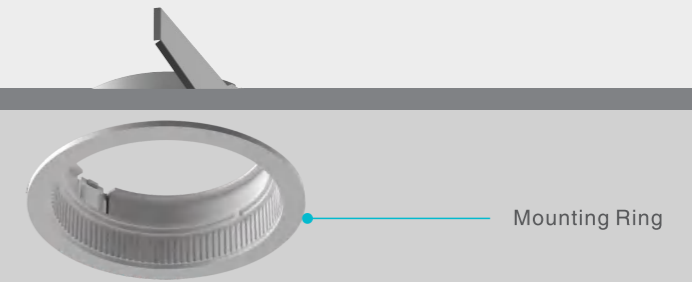
In the glare free angle, there is no direct view of the LED and the visible part of the reflector produces practically no glare at all. This zone offers very high visual comfort.

### Anti-glare Accessory

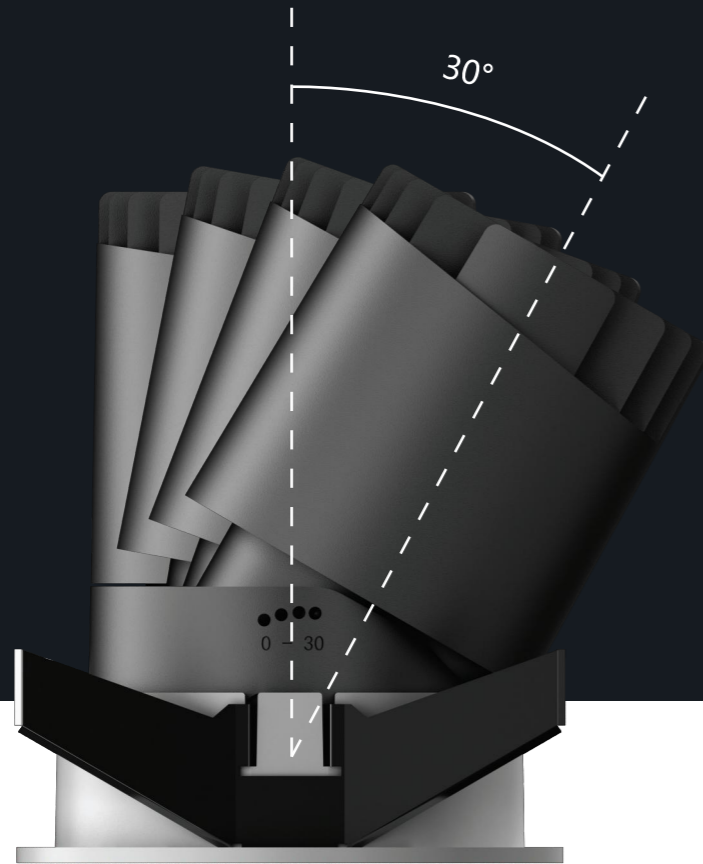


Medium Soft Light    Rectangular Light    Square Light    Flood Soft light    Honeycomb

### Modular Design

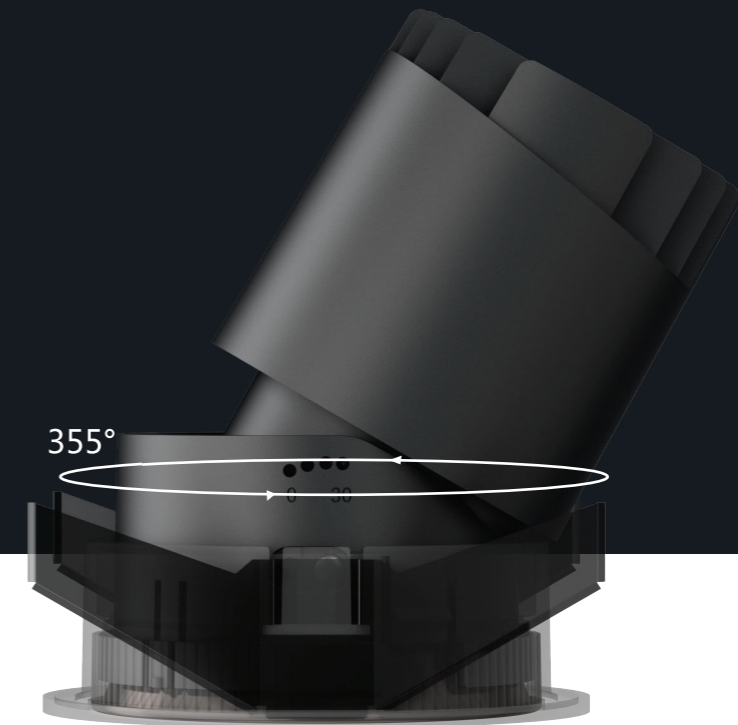


LED module, Mounting ring and Secondary reflector are modular design.  
 Easy to specify!  
 East to manage stock!  
 Easy to install and do maintenance!  
 Easy to change the Secondary reflector!



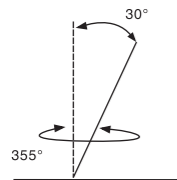
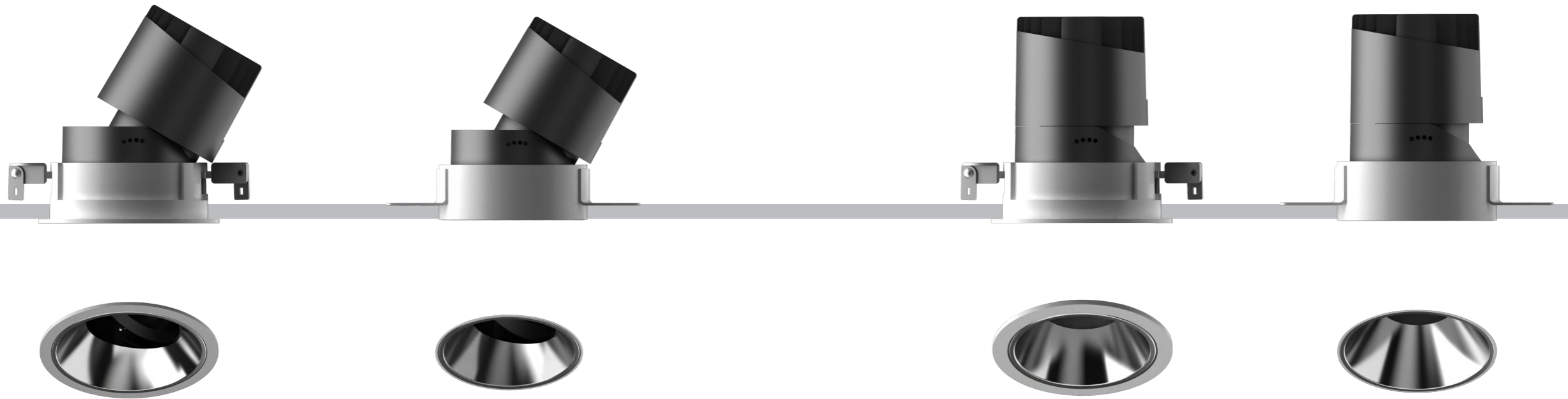
### 30° Tilt

Easy to adjust to specific angle  
thanks to precision engineered adjustment mechanism



### 355° Rotation





# VILLA

## Round Down Light

### Round Adjustable

Four sizes with wattage 5W-25W.  
355° rotation and 30° tilt.

### Round Adjustable Trimless

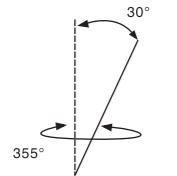
Make your downlight invisible in the ceiling.  
355° rotation and 30° tilt.

### Round Fixed

A combination of recessed secondary reflector and deep beam reflector provides maximum visual comfort.

### Round Fixed Trimless

Make your downlight invisible in the ceiling.



# VILLA

## Square Down Light (Round Secondary Reflector)

### Square Adjustable

82x82mm cut-out with wattage 10W.  
355° rotation and 30° tilt.

### Square Adjustable Trimless

Make your downlight invisible in the ceiling.  
355° rotation and 30° tilt.

## Square Down Light (Square Secondary Reflector)

### Square Adjustable

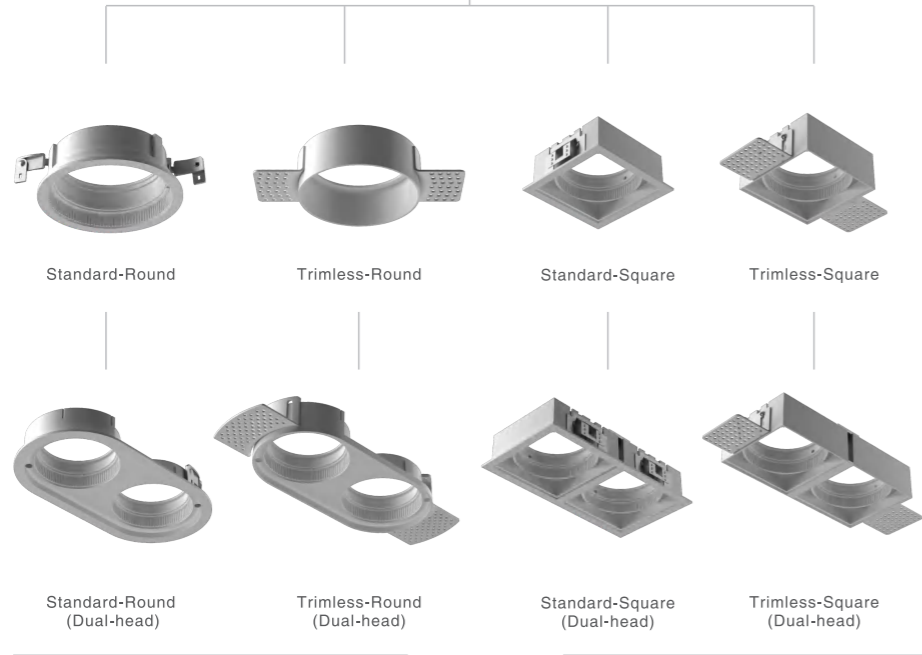
82x82mm with wattage 10W.  
355° rotation and 30° tilt.

### Square Adjustable Trimless

Make your downlight invisible in the ceiling.  
355° rotation and 30° tilt.



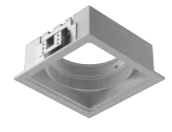
Adjustable / Fixed LED Module



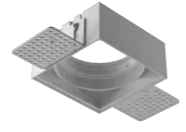
Standard-Round



Trimless-Round



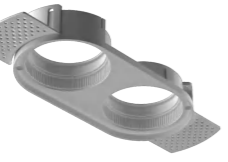
Standard-Square



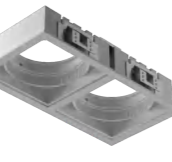
Trimless-Square



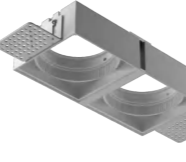
Standard-Round (Dual-head)



Trimless-Round (Dual-head)



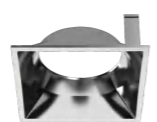
Standard-Square (Dual-head)



Trimless-Square (Dual-head)



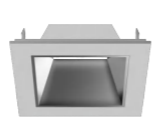
Adjustable Secondary Reflector



Adjustable Round Secondary Reflector

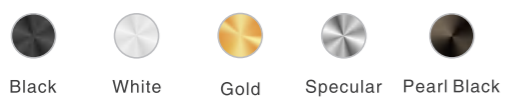


Fixed Secondary Reflector

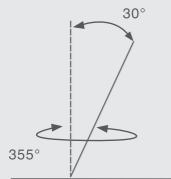
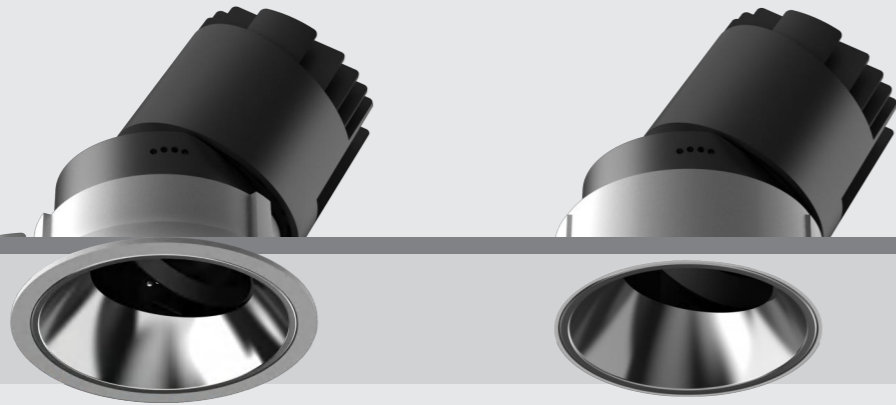


Adjustable Square Secondary Reflector

Secondary Reflector Color



Specular  
Black  
White  
Gold  
Pearl Black



## Round Adjustable



### MAIN FEATURES

- Elegant in its style, versatile in its using.
- Full range of adjustable downlight with wattages from 5W to 25W in 4 sizes.
- Easy to adjust to specific angle thanks to precision engineered adjustment mechanism.
- 355° rotation and 30° tilt.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Anti-glare accessories provide maximum visual comfort.



VRA050

VRA075

VRA095

VRA120



TRA050

TRA075

TRA095

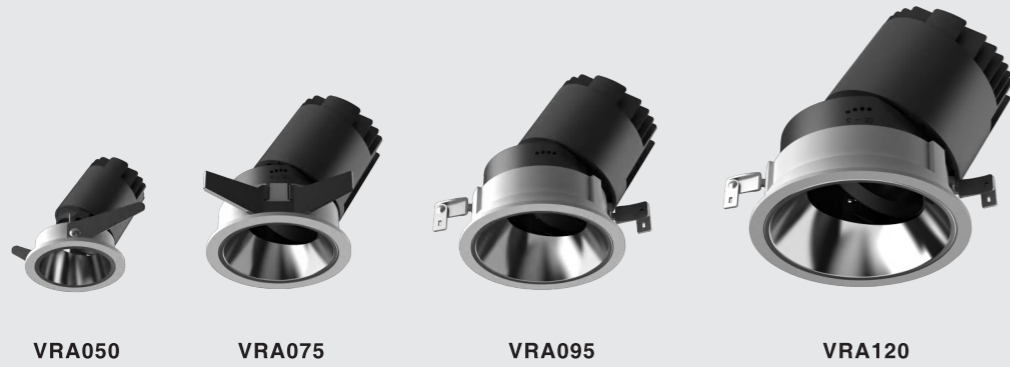
TRA120

Cut out: Ø50mm

Cut out: Ø75mm

Cut out: Ø95mm

Cut out: Ø120mm



**TRIM** (Mounting trim can order separately)



Standard	Option
VR050W/B	TR050W/B
VR075W/B	TR075W/B
VR095W/B	TR095W/B
VR120W/B	TR120W/B

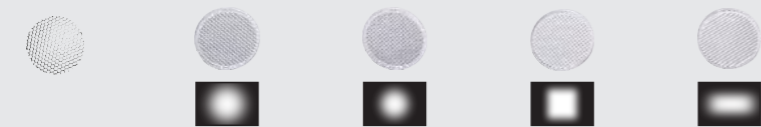
(W:white B: black) (W:white B: black)

**SECONDARY REFLECTOR**



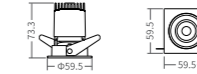
Specular	White	Black	Gold	Pearl Black
VRA075-SS	VRA075-SW	VRA075-SB	VRA075-SG	VRA075-SP
VRA095-SS	VRA095-SW	VRA095-SB	VRA095-SG	VRA095-SP
VRA120-SS	VRA120-SW	VRA120-SB	VRA120-SG	VRA120-SP (Standard)

**ANTI-GLARE ACCESSORIES**

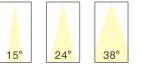


Honeycomb	Flood soft light	Medium soft light	Square light	Rectangular light
VR050-H	VR075-F	VR075-M	VR075-S	VR075-R
VR075-H	VR095-F	VR095-M	VR095-S	VR095-R
VR095-H	VR120-F	VR120-M	VR120-S	VR120-R
VR120-H				

VRA050



Cut out: Ø 50mm

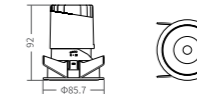


2700K

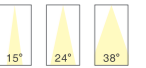
VRA050-930N015W		VRA050-930N024W		VRA050-930N038W	
D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)
30.38	1	1710	36.73	1	1634
60.75	2	427.5	73.46	2	408.6
91.13	3	190.0	110.19	3	181.6
121.50	4	106.9	146.92	4	102.2
151.88	5	68.4	183.65	5	65.38

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRA050-927N015W	5 W	120mA	208 lm	90+	2700K	15°
VRA050-930N015W	5 W	120mA	212 lm	90+	3000K	15°
VRA050-927N024W	5 W	120mA	247 lm	90+	2700K	24°
VRA050-930N024W	5 W	120mA	252 lm	90+	3000K	24°
VRA050-927N038W	5 W	120mA	212 lm	90+	2700K	38°
VRA050-930N038W	5 W	120mA	217 lm	90+	3000K	38°

VRA075



Cut out: Ø 75mm

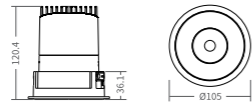


2700K

VRA075-930N015W		VRA075-930N024W		VRA075-930N038W	
D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)
31.96	1	4311	41.1	1	3526
63.92	2	1078	82.2	2	881.6
95.89	3	479	123.31	3	391.8
127.85	4	269.4	164.4	4	220.4
159.81	5	172.4	205.51	5	141.1

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRA075-927N015W	10 W	250mA	544 lm	90+	2700K	15°
VRA075-930N015W	10 W	250mA	555 lm	90+	3000K	15°
VRA075-927N024W	10 W	250mA	548 lm	90+	2700K	24°
VRA075-930N024W	10 W	250mA	559 lm	90+	3000K	24°
VRA075-927N038W	10 W	250mA	554 lm	90+	2700K	38°
VRA075-930N038W	10 W	250mA	565 lm	90+	3000K	38°

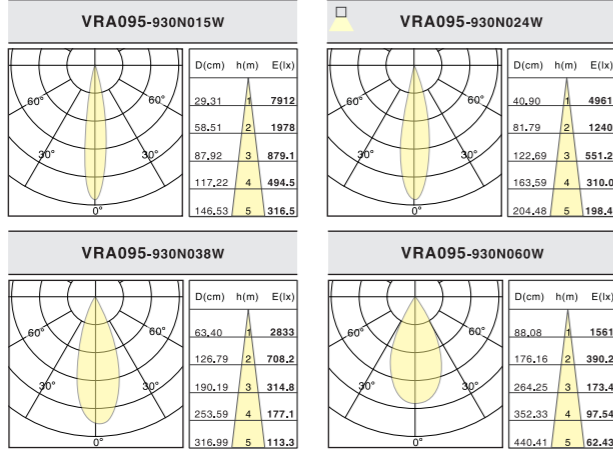
VRA095



Cut out: Ø95mm

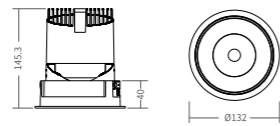


2700K

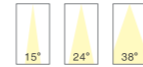


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRA095-927N015W	18 W	450mA	1068 lm	90+	2700K	15°
VRA095-930N015W	18 W	450mA	1124 lm	90+	3000K	15°
VRA095-927N024W	18 W	450mA	1015 lm	90+	2700K	24°
VRA095-930N024W	18 W	450mA	1069 lm	90+	3000K	24°
VRA095-927N038W	18 W	450mA	994 lm	90+	2700K	38°
VRA095-930N038W	18 W	450mA	1046 lm	90+	3000K	38°
VRA095-927N060W	18 W	450mA	921 lm	90+	2700K	60°
VRA095-930N060W	18 W	450mA	970 lm	90+	3000K	60°

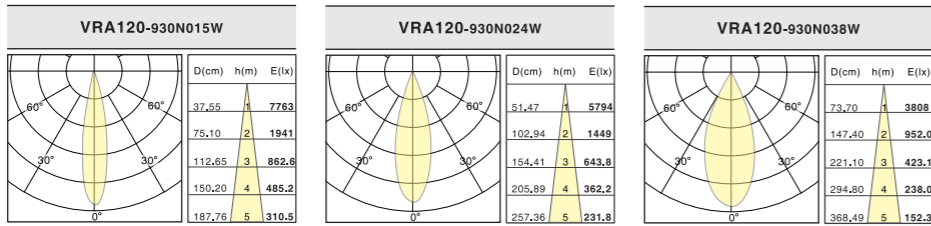
VRA120



Cut out: Ø120mm

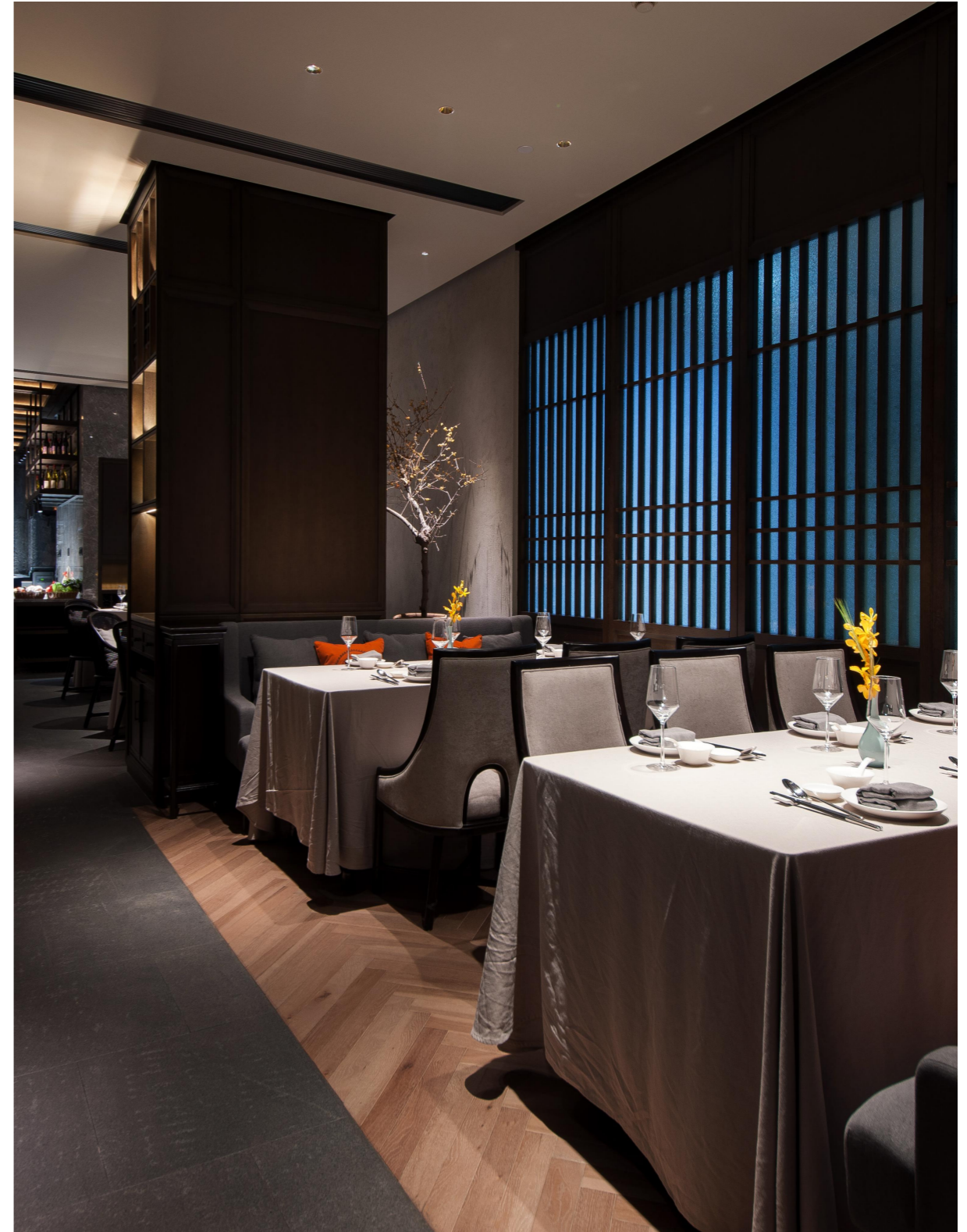


2700K

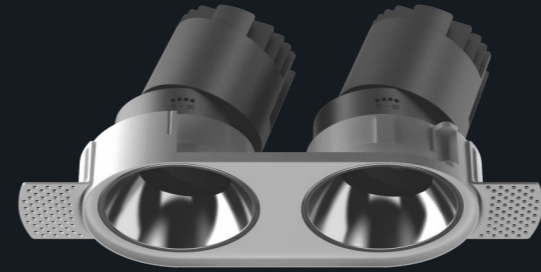


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRA120-927N015W	25 W	700mA	1503 lm	90+	2700K	15°
VRA120-930N015W	25 W	700mA	1534 lm	90+	3000K	15°
VRA120-927N024W	25 W	700mA	1482 lm	90+	2700K	24°
VRA120-930N024W	25 W	700mA	1512 lm	90+	3000K	24°
VRA120-927N038W	25 W	700mA	1561 lm	90+	2700K	38°
VRA120-930N038W	25 W	700mA	1592 lm	90+	3000K	38°

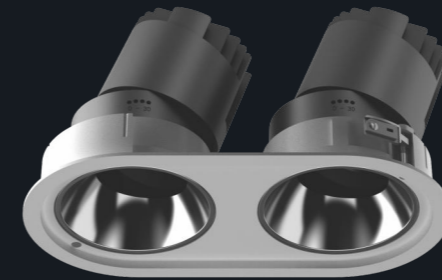
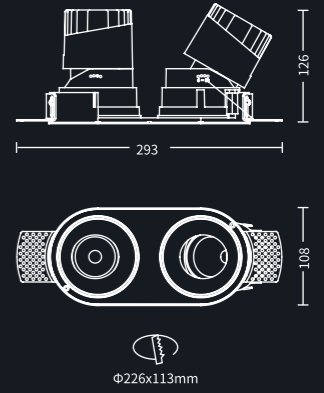
Welcome to contact sales@encore-tech.com, ask the latest IES files.



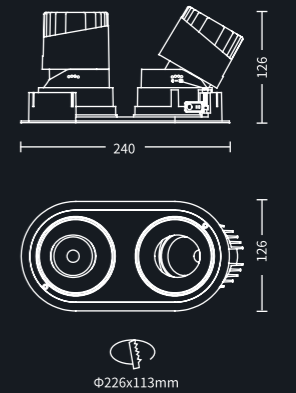
VILLA  
Round Adjustable  
Dual-head

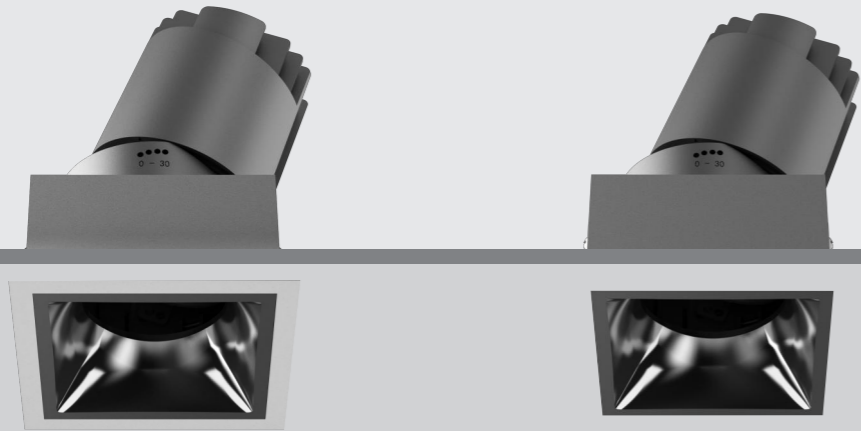


Model: TRA075-02  
Cut-out: Ø226x113mm  
Size: Ø293x126(H)x108(W)mm

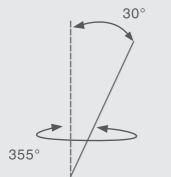


Model: VRA075-02  
Cut-out: Ø226x113mm  
Size: Ø240x126(H)x126(W)mm





Round Secondary Reflector

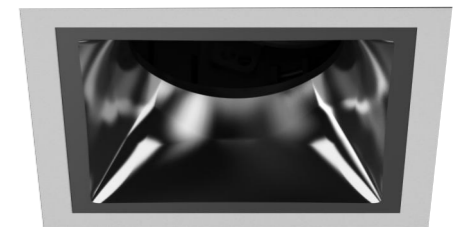


## Square Adjustable

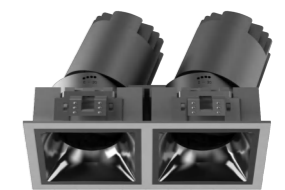


### MAIN FEATURES

- Elegant in its style, versatile in its using.
- Multi-head is available thanks to a smart mechanical design.
- Easy to adjust to specific angle thanks to precision engineered adjustment mechanism.
- 355° rotation and 30° tilt.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Anti-glare accessories provide maximum visual comfort.



VSA082  
Cut out: Ø 82\*82mm



VSA082-02  
Cut out: Ø 163\*82mm



TSA082  
Cut out: Ø 82\*82mm



TSA082-02  
Cut out: Ø 163\*82mm

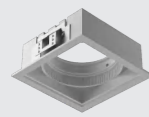




VSA082

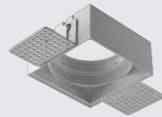
TSA082

**TRIM** (Mounting trim can order separately)



Standard

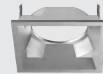
VS082W/B  
(W:white B: black)



Option

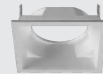
TS082W/B  
(W:white B: black)

**SECONDARY REFLECTOR**



Specular

VSA082R-SS



White

VSA082R-SW



Black

VSA082R-SB



Gold

VSA082R-SG



Pearl Black

VSA082R-SP

**ANTI-GLARE ACCESSORIES**



Honeycomb  
VR082-H



Flood soft light  
VR082-F



Medium soft light  
VR082-M

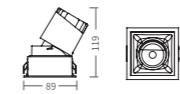


Square light  
VR082-S



Rectangular light  
VR082-R

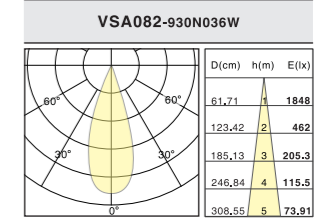
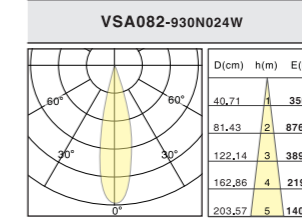
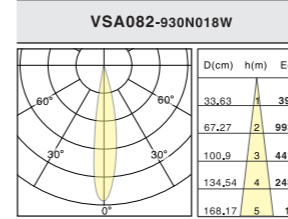
VSA082



Cut out: Ø 82\*82mm

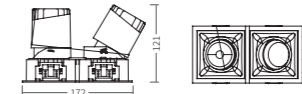


2700K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VSA082-927N018W	10 W	250mA	547 lm	90+	2700K	18°
VSA082-930N018W	10 W	250mA	558 lm	90+	3000K	18°
VSA082-927N024W	10 W	250mA	571 lm	90+	2700K	24°
VSA082-930N024W	10 W	250mA	583 lm	90+	3000K	24°
VSA082-927N036W	10 W	250mA	537 lm	90+	2700K	36°
VSA082-930N036W	10 W	250mA	548 lm	90+	3000K	36°

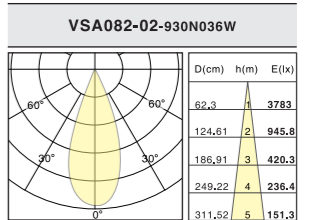
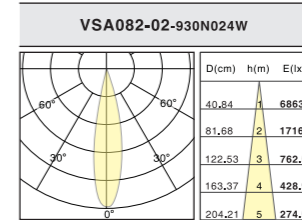
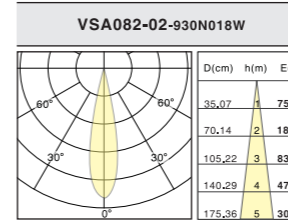
VSA082-02



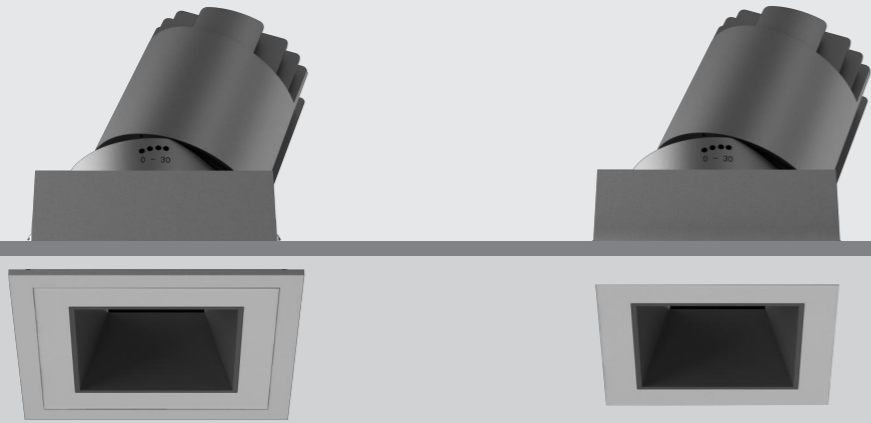
Cut out: Ø 163\*82mm



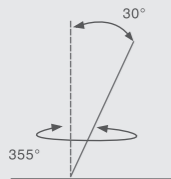
2700K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VSA082-02-927N018W	10Wx2	500mA	1143 lm	90+	2700K	18°
VSA082-02-930N018W	10Wx2	500mA	1166 lm	90+	3000K	18°
VSA082-02-927N024W	10Wx2	500mA	1183 lm	90+	2700K	24°
VSA082-02-930N024W	10Wx2	500mA	1207 lm	90+	3000K	24°
VSA082-02-927N036W	10Wx2	500mA	1148 lm	90+	2700K	36°
VSA082-02-930N036W	10Wx2	500mA	1172 lm	90+	3000K	36°



Square Secondary Reflector

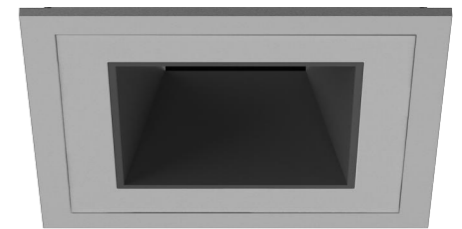


## Square Adjustable

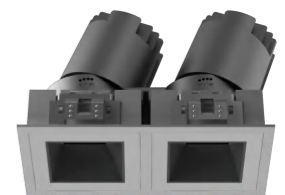


### MAIN FEATURES

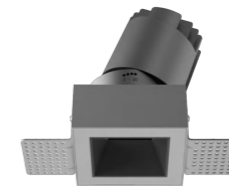
- Elegant in its style, versatile in its using.
- Multi-head is available thanks to a smart mechanical design.
- Easy to adjust to specific angle thanks to precision engineered adjustment mechanism.
- 355° rotation and 30° tilt.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Anti-glare accessories provide maximum visual comfort.



VSA082S  
Cut out:  $\varnothing$  82\*82mm



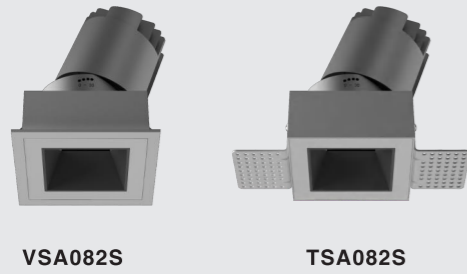
VSA082S-02  
Cut out:  $\varnothing$  163\*82mm



TSA082S  
Cut out:  $\varnothing$  82\*82mm



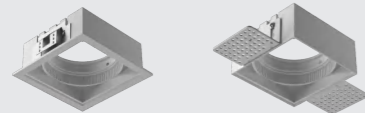
TSA082S-02  
Cut out:  $\varnothing$  163\*82mm



VSA082S

TSA082S

**TRIM** (Mounting trim can order separately)



**Standard**

VS082SW/B  
(W:white B:black)

**Option**

TS082SW/B  
(W:white B:black)

**SECONDARY REFLECTOR**



**Specular**

VSA082S-SS

**White**

VSA082S-SW

**Black**

VSA082S-SB

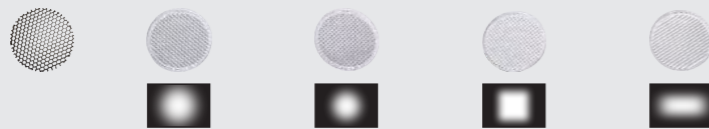
**Gold**

VSA082S-SG

**Pearl Black**

VSA082S-SP

**ANTI-GLARE ACCESSORIES**



**Honeycomb**

VR075S-H  
VR082S-H

**Flood soft light**

VR075S-F  
VR082S-F

**Medium soft light**

VR075S-M  
VR082S-M

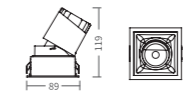
**Square light**

VR075S-S  
VR082S-S

**Rectangular light**

VR075S-R  
VR082S-R

VSA082S



Cut out: Ø 82\*82mm

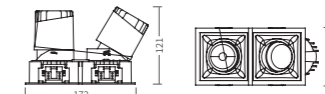


2700K

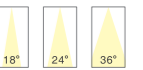
VSA082S-930N018W			VSA082S-930N024W			VSA082S-930N036W		
D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)
33,81	1	3841	39,24	1	3362	55,79	2	2004
67,63	2	960,2	78,49	2	840,6	111,59	2	500,9
101,44	3	426,8	117,73	3	373,6	167,38	3	222,6
135,26	4	240,1	156,98	4	210,1	223,18	4	125,2
169,07	5	153,6	196,22	5	134,5	276,97	5	80,15

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VSA082S-927N018W	10 W	250mA	436 lm	90+	2700K	18°
VSA082S-930N018W	10 W	250mA	453 lm	90+	3000K	18°
VSA082S-927N024W	10 W	250mA	458 lm	90+	2700K	24°
VSA082S-930N024W	10 W	250mA	476 lm	90+	3000K	24°
VSA082S-927N036W	10 W	250mA	489 lm	90+	2700K	36°
VSA082S-930N036W	10 W	250mA	508 lm	90+	3000K	36°

VSA082S-02



Cut out: Ø 163\*82mm

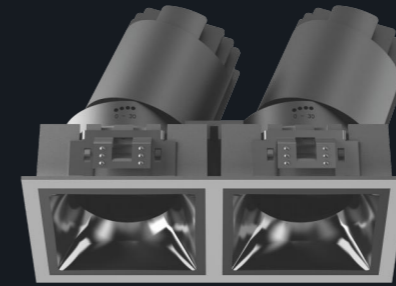
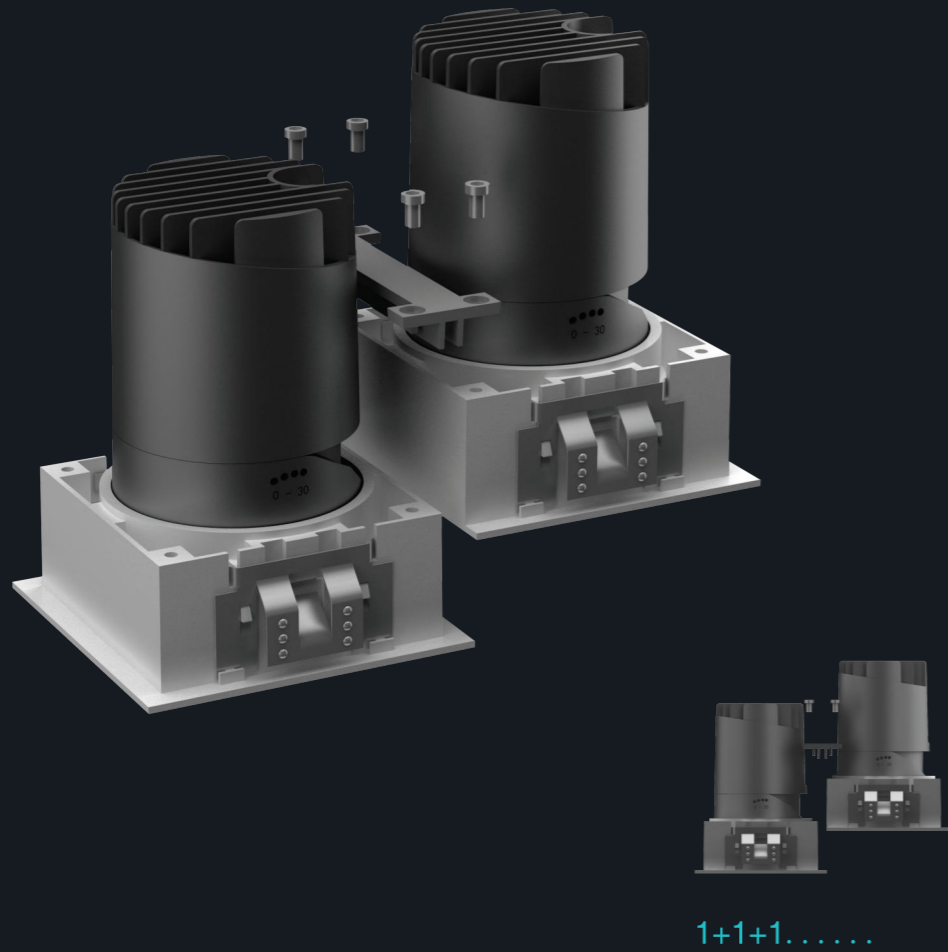


2700K

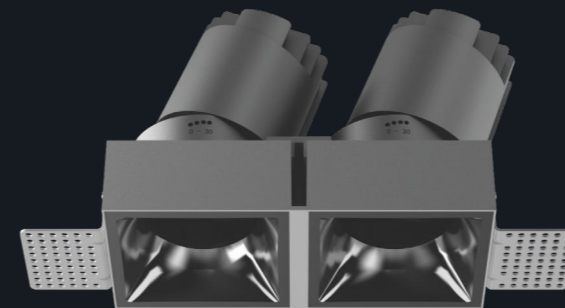
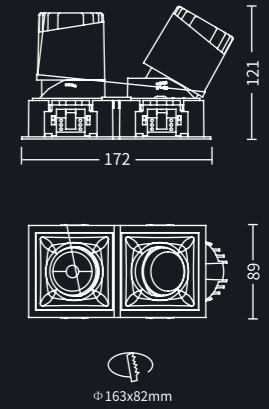
VSA082S-02-930N018W			VSA082S-02-930N024W			VSA082S-02-930N036W		
D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)	D(cm)	h(m)	E(lx)
67,72	1	7682	78,48	1	6724	111,58	1	4008
135,26	2	1920,4	156,98	2	1681,2	223,18	2	1001,8
202,88	3	853,6	235,46	3	747,2	334,76	3	445,2
270,52	4	480,2	313,96	4	420,2	446,36	4	250,4
338,14	5	307,2	392,44	5	269	557,94	5	160,3

Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VSA082S-02-927N018W	10Wx2	500mA	966 lm	90+	2700K	18°
VSA082S-02-930N018W	10Wx2	500mA	985 lm	90+	3000K	18°
VSA082S-02-927N024W	10Wx2	500mA	1004 lm	90+	2700K	24°
VSA082S-02-930N024W	10Wx2	500mA	1025 lm	90+	3000K	24°
VSA082S-02-927N036W	10Wx2	500mA	1070 lm	90+	2700K	36°
VSA082S-02-930N036W	10Wx2	500mA	1092 lm	90+	3000K	36°

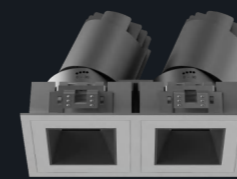
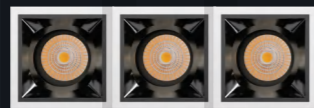
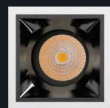
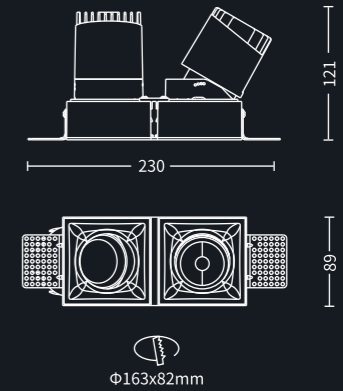
VILLA  
Square Adjustable  
Multi-head



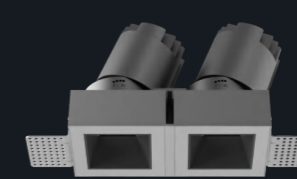
Model: VSA082-02  
Cut-out: Ø163x82(W)mm  
Size: Ø172x89(W)x121(H)mm



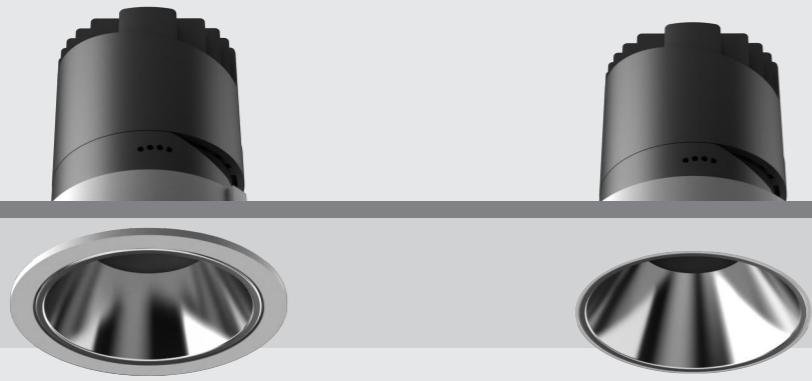
Model: TSA082-02  
Cut-out: Ø163x82(W)mm  
Size: Ø172x89(W)x121(H)mm



VSA082S-02



TSA082S-02



## Round Fixed



### MAIN FEATURES

- Elegant in its style, versatile in its using.
- Full range of adjustable downlight with wattages from 5W to 25W in 4 sizes.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Anti-glare accessories provide maximum visual comfort.



VRF050



VRF075



VRF095



VRF120



TRF050  
Cut out: Ø 50mm



TRF075  
Cut out: Ø 75mm



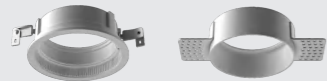
TRF095  
Cut out: Ø 95mm



TRF120  
Cut out: Ø 120mm



**TRIM** (Mounting trim can order separately)



**Standard**

VR050W/B  
VR075W/B  
VR095W/B  
VR120W/B

**Option**

TR050W/B  
TR075W/B  
TR095W/B  
TR120W/B

(W:white B: black) (W:white B: black)

**SECONDARY REFLECTOR**



Specular

VRF075-SS  
VRF095-SS  
VRF120-SS



White

VRF075-SW  
VRF095-SW  
VRF120-SW



Black

VRF075-SB  
VRF095-SB  
VRF120-SB



Gold

VRF075-SG  
VRF095-SG  
VRF120-SG



Pearl Black

VRF075-SP  
VRF095-SP  
VRF120-SP  
(Standard)

**ANTI-GLARE ACCESSORIES**



Honeycomb

VR050-H  
VR075-H  
VR095-H  
VR120-H



Flood soft light

VR075-F  
VR095-F  
VR120-F



Medium soft light

VR075-M  
VR095-M  
VR120-M



Square light

VR075-S  
VR095-S  
VR120-S



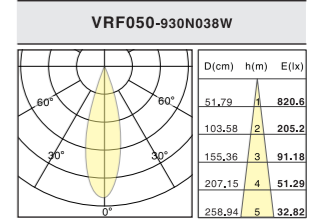
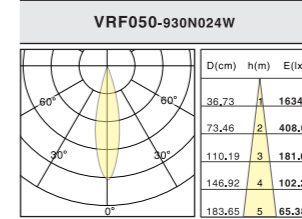
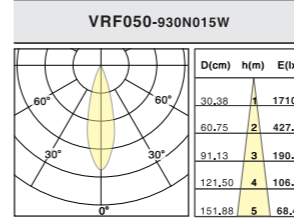
Rectangular light

VR075-R  
VR095-R  
VR120-R

VRF050



2700K

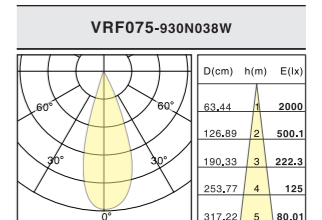
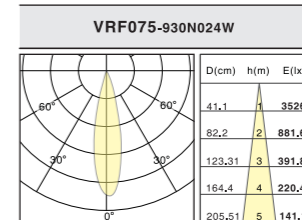
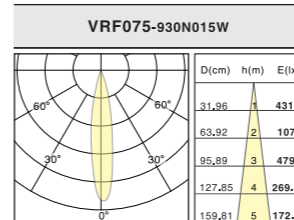


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRF050-927N015W	5 W	120mA	208 lm	90+	2700K	15°
VRF050-930N015W	5 W	120mA	212 lm	90+	3000K	15°
VRF050-927N024W	5 W	120mA	247 lm	90+	2700K	24°
VRF050-930N024W	5 W	120mA	252 lm	90+	3000K	24°
VRF050-927N038W	5 W	120mA	212 lm	90+	2700K	38°
VRF050-930N038W	5 W	120mA	217 lm	90+	3000K	38°

VRF075

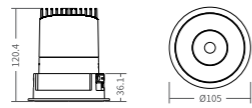


2700K

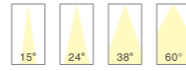


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRF075-927N015W	10 W	250mA	544 lm	90+	2700K	15°
VRF075-930N015W	10 W	250mA	555 lm	90+	3000K	15°
VRF075-927N024W	10 W	250mA	548 lm	90+	2700K	24°
VRF075-930N024W	10 W	250mA	559 lm	90+	3000K	24°
VRF075-927N038W	10 W	250mA	554 lm	90+	2700K	38°
VRF075-930N038W	10 W	250mA	565 lm	90+	3000K	38°

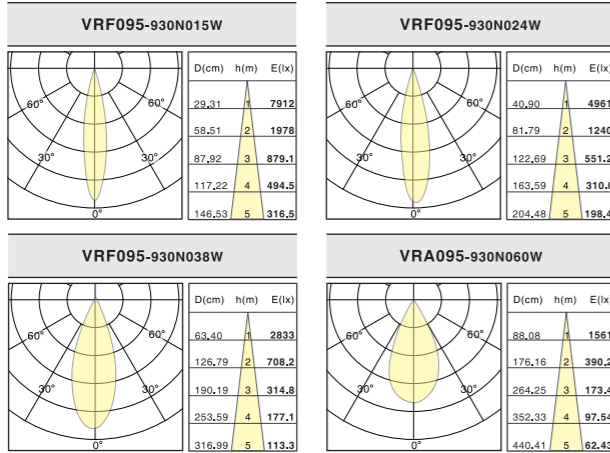
VRF095



Cut out: Ø95mm

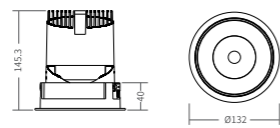


2700K

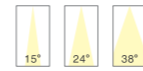


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRF095-927N015W	18 W	450mA	1068 lm	90+	2700K	15°
VRF095-930N015W	18 W	450mA	1124 lm	90+	3000K	15°
VRF095-927N024W	18 W	450mA	1015 lm	90+	2700K	24°
VRF095-930N024W	18 W	450mA	1069 lm	90+	3000K	24°
VRF095-927N038W	18 W	450mA	994 lm	90+	2700K	38°
VRF095-930N038W	18 W	450mA	1046 lm	90+	3000K	38°
VRF095-927N060W	18 W	450mA	921 lm	90+	2700K	60°
VRF095-930N060W	18 W	450mA	970 lm	90+	3000K	60°

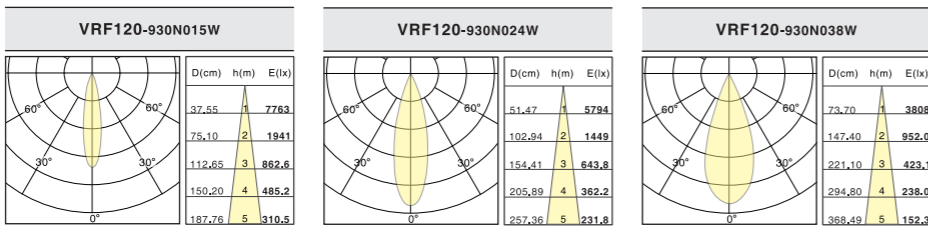
VRF120



Cut out: Ø120mm



2700K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
VRF120-927N015W	25 W	700mA	1503 lm	90+	2700K	15°
VRF120-930N015W	25 W	700mA	1534 lm	90+	3000K	15°
VRF120-927N024W	25 W	700mA	1482 lm	90+	2700K	24°
VRF120-930N024W	25 W	700mA	1512 lm	90+	3000K	24°
VRF120-927N038W	25 W	700mA	1561 lm	90+	2700K	38°
VRF120-930N038W	25 W	700mA	1592 lm	90+	3000K	38°

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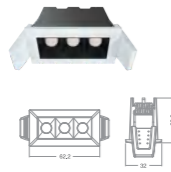
## MINIER Down Light

MINIER down light series is an architectural design-friendly down light for its mini size to better serve designers' plans. MINIER series offers linear (3/6/12-head) and square (4/9-head) shape both in recessed or surface-mounted installation. 2 lighting solutions are available, including quality lights (round & square) to set different moods and create different atmospheres with good anti-glare effect. The heat sink design allows good heat dissipation, enabling a smaller-than-average size and larger power.

### Overview

<b>Application:</b>	Recessed, Surface-mounted
<b>Light source:</b>	OSRAM3030 LED
<b>Light solution:</b>	25°, 30°, 60°
<b>SDCM:</b>	<3
<b>Watt:</b>	3W-12W
<b>CCT:</b>	2700K, 3000K, 3500K, 4000K, 5000K
<b>Luminous:</b>	89-755 lm
<b>Control option:</b>	Non DIM, Phase DIM, 1-10V
<b>CRI:</b>	80+, 90+
<b>Color:</b>	White, Black





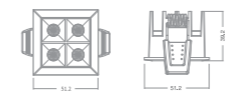
**MF03-RS**

System Power : 3 W  
Luminous Flux : 89-155 lm



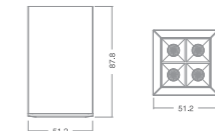
**MF04-RS**

System Power : 5W  
Luminous Flux : 225-250 lm



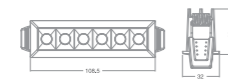
**MF04-C**

System Power : 5W  
Luminous Flux : 225-250 lm



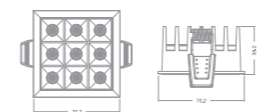
**MF06-RS**

System Power : 6 W  
Luminous Flux : 207-342 lm



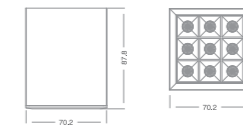
**MF09-RS**

System Power : 12W  
Luminous Flux : 630-755 lm



**MF09-C**

System Power : 12W  
Luminous Flux : 630-755 lm



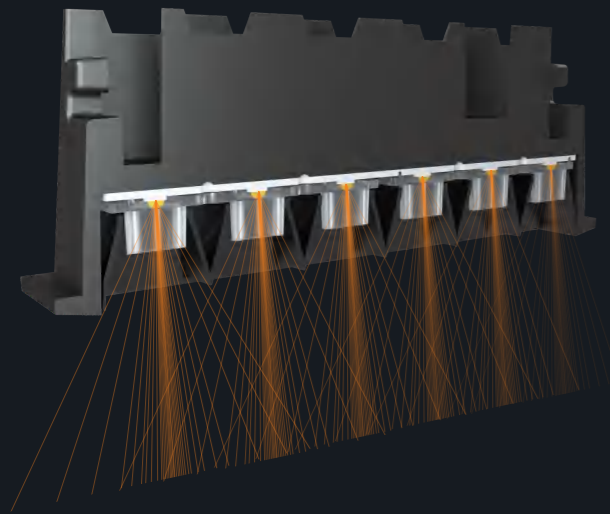
**MF12-RS**

System Power : 12 W  
Luminous Flux : 475-780 lm



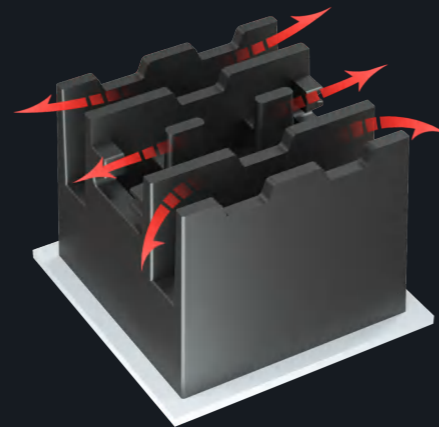
## Satisfying Light

Light is not just a brightness that lets you see things, it sets a mood and creates atmosphere. MINIER series offers 2 kinds of quality lights (round & square) to set different moods and create different atmospheres. Round version lights up space with even lighting effect and meets accent lighting requirement, while square version highlights the uniqueness of lighting effect with clear edges and nicely-cut square shape.



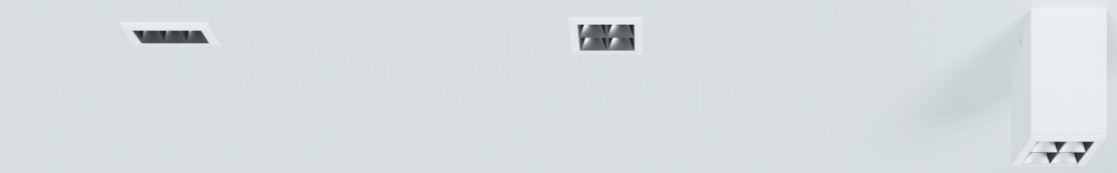
## Above-average Anti-glare

MINIER realizes a good anti-glare effect for two reasons: the physical structural design avoids annoying glare hurting eyes, and the black finish enables unwanted light to be absorbed, finally providing good visual comfortable with  $UGR < 19$ .



## Good Heat Dissipation

At first glance, MINIER impresses customers with its modern style line-crossed heat sink design. Take another closer look, MINIER downlight adopts this design to realize the free flow of heat, thus, a good heat dissipation performance. So that MINIER could provide both elegant and smaller size with big wattage, ensuring it's not only have an aesthetic look but also have a highly practical performance.





32mm



**Order options**

**SYSTEM POWER**

3W

**COLOUR TEMPERATURE**

2700K  
3000K  
3500K  
4000K  
5000K

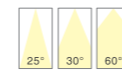
**COLOR RENDERING INDEX**

CRI 80  
CRI 90

**ELECTRICAL**

Non DIM  
Phase DIM  
1-10V

**PRIMARY LENS**



**SECONDARY REFLECTOR**

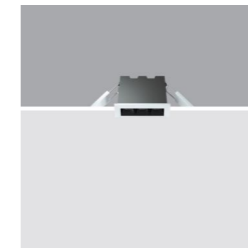


Black

**ESTIMATED LED LIFETIME**

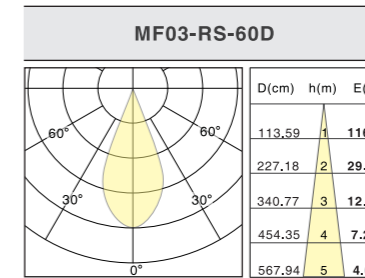
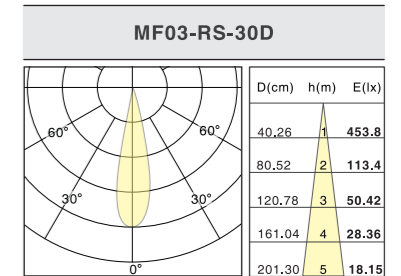
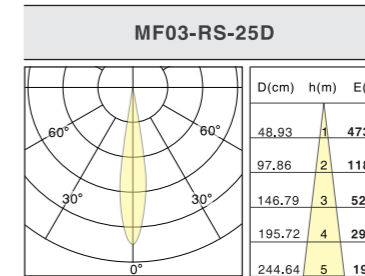
Lm50 / 30000h

**MF03-RS**



3000K  
(Standard)

UGR<21



**Order Information**

Order info.	Power	Led Current	Voltage	Luminous Flux(lm)	CRI	CCT	Beam Angle(°)
MF03-RS-830N025W	3W	250mA	9V	152 lm	80+	3000K	25°
MF03-RS-840N025W	3W	250mA	9V	155 lm	80+	4000K	25°
MF03-RS-830N030W	3W	250mA	9V	115 lm	80+	3000K	30°
MF03-RS-840N030W	3W	250mA	9V	118 lm	80+	4000K	30°
MF03-RS-830N060W	3W	250mA	9V	89 lm	80+	3000K	60°
MF03-RS-840N060W	3W	250mA	9V	92 lm	80+	4000K	60°

**Features**

- Smaller-than-average slim shape allows designers better space planning.
- Linear (3-head) support recessed installation.
- Lighting solutions: quality lights-round and square to set different moods and create different atmospheres with good anti-glare effect.
- Free-flow ventilation heat sink design enables good heat dissipation.
- Small size but with big power.



**Order options**

**SYSTEM POWER**

6W

**COLOUR TEMPERATURE**

- 2700K
- 3000K
- 3500K
- 4000K
- 5000K

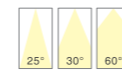
**COLOR RENDERING INDEX**

- CRI 80
- CRI 90

**ELECTRICAL**

- Non DIM
- Phase DIM
- 1-10V

**PRIMARY LENS**



**SECONDARY REFLECTOR**

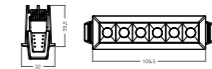
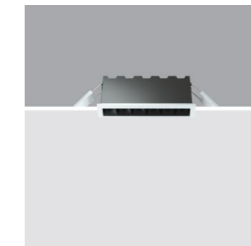


Black

**ESTIMATED LED LIFETIME**

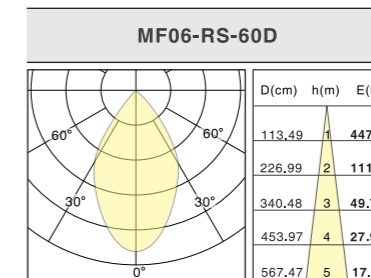
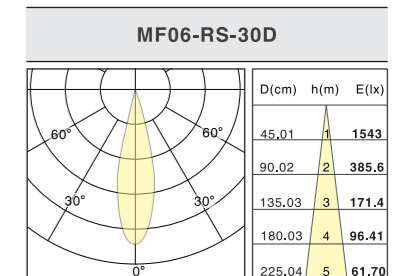
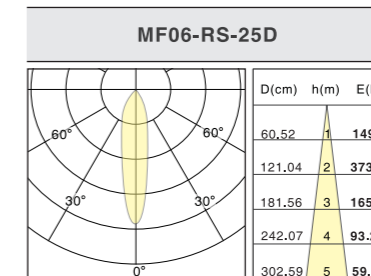
Lm56 / 30000h

**MF06-RS**



3000K  
(Standard)

UGR<19



**Order Information**

Order info.	Power	Led Current	Voltage	Luminous Flux(lm)	CRI	CCT	Beam Angle(°)
MF06-RS-830N025W	6W	250mA	18V	339 lm	80+	3000K	25°
MF06-RS-840N025W	6W	250mA	18V	342 lm	80+	4000K	25°
MF06-RS-830N030W	6W	250mA	18V	267 lm	80+	3000K	30°
MF06-RS-840N030W	6W	250mA	18V	270 lm	80+	4000K	30°
MF06-RS-830N060W	6W	250mA	18V	207 lm	80+	3000K	60°
MF06-RS-840N060W	6W	250mA	18V	210 lm	80+	4000K	60°

**Features**

- Smaller-than-average slim shape allows designers better space planning.
- Linear (6-head) support recessed installation.
- Lighting solutions: quality lights-round and square to set different moods and create different atmospheres with good anti-glare effect.
- Free-flow ventilation heat sink design enables good heat dissipation.
- Small size but with big power.

# Minier Down Light



## Order options

### SYSTEM POWER

12W

### COLOUR TEMPERATURE

2700K  
3000K  
3500K  
4000K  
5000K

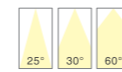
### COLOR RENDERING INDEX

CRI 80  
CRI 90

### ELECTRICAL

Non DIM  
Phase DIM  
1-10V  
DALI

### PRIMARY LENS



### SECONDARY REFLECTOR

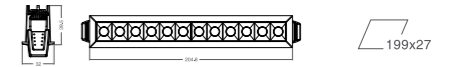
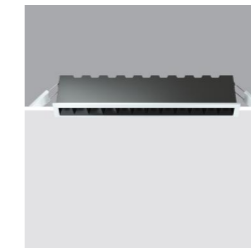


Black

### ESTIMATED LED LIFETIME

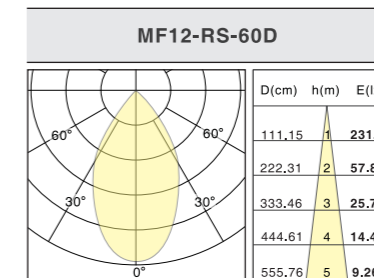
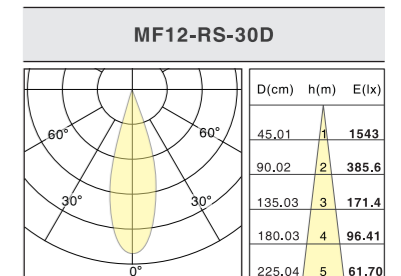
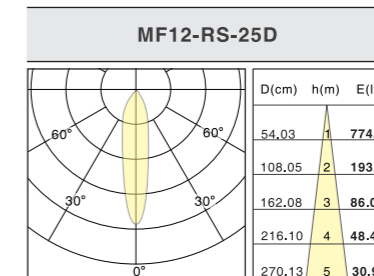
Lm63 / 30000h

## MF12-RS



3000K  
(Standard)

UGR<16



### Order Information

Order info.	Power	Led Current	Voltage	Luminous Flux(lm)	CRI	CCT	Beam Angle(°)
MF12-RS-830N025W	12W	300mA	36V	775 lm	80+	3000K	25°
MF12-RS-840N025W	12W	300mA	36V	780 lm	80+	4000K	25°
MF12-RS-830N030W	12W	300mA	36V	620 lm	80+	3000K	30°
MF12-RS-840N030W	12W	300mA	36V	625 lm	80+	4000K	30°
MF12-RS-830N060W	12W	300mA	36V	475 lm	80+	3000K	60°
MF12-RS-840N060W	12W	300mA	36V	480 lm	80+	4000K	60°

## Features

- Smaller-than-average slim shape allows designers better space planning.
- Linear (12-head) support recessed installation.
- Lighting solutions: quality lights-round and square to set different moods and create different atmospheres with good anti-glare effect.
- Free-flow ventilation heat sink design enables good heat dissipation.
- Small size but with big power.



**Order options**

**SYSTEM POWER**

5W

**COLOUR TEMPERATURE**

2700K  
3000K  
3500K  
4000K  
5000K

**COLOR RENDERING INDEX**

CRI 80  
CRI 90

**ELECTRICAL**

Non DIM  
Phase DIM  
1-10V  
DALI

**PRIMARY LENS**



**SECONDARY REFLECTOR**

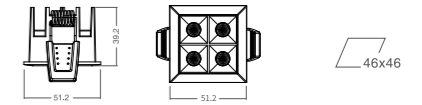
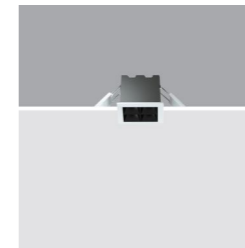


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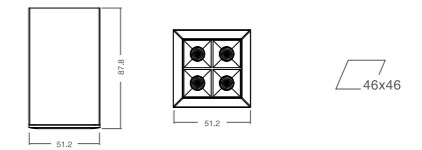
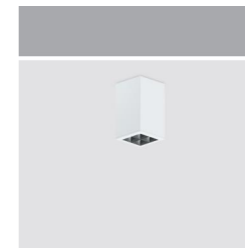
**ESTIMATED LED LIFETIME**

Lm48 / 30000h

**MF04-RS**



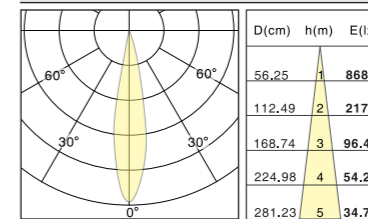
**MF04-C**



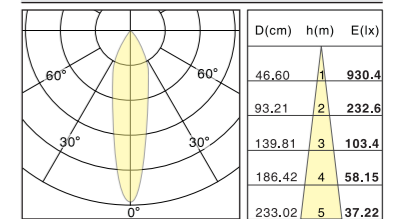
3000K  
(Standard)

UGR<13

**MF04-RS-25D / MF04-C-25D**



**MF04-RS-30D / MF04-C-30D**



**Order Information**

Order info.	Power	Led Current	Voltage	Luminous Flux(lm)	CRI	CCT	Beam Angle(°)
MF04-RS-830N025W	5W	400mA	12V	245 lm	80+	3000K	25°
MF04-RS-840N025W	5W	400mA	12V	250 lm	80+	4000K	25°
MF04-RS-830N030W	5W	400mA	12V	225 lm	80+	3000K	30°
MF04-RS-840N030W	5W	400mA	12V	230 lm	80+	4000K	30°

**Features**

- Smaller-than-average slim shape allows designers better space planning.
- Square (4-head) support recessed and surface-mounted installation.
- Lighting solutions: quality lights-round and square to set different moods and create different atmospheres with good anti-glare effect.
- Free-flow ventilation heat sink design enables good heat dissipation.
- Small size but with big power.



**Order options**

**SYSTEM POWER**

12W

**COLOUR TEMPERATURE**

2700K  
3000K  
3500K  
4000K  
5000K

**COLOR RENDERING INDEX**

CRI 80  
CRI 90

**ELECTRICAL**

Non DIM  
Phase DIM  
1-10V  
DALI

**PRIMARY LENS**



**SECONDARY REFLECTOR**

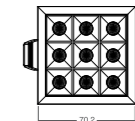
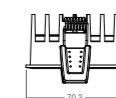
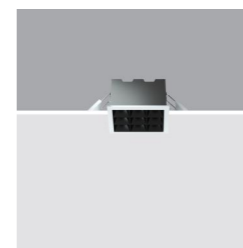


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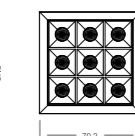
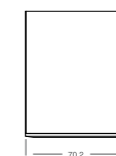
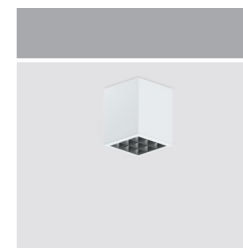
**ESTIMATED LED LIFETIME**

Lm61 / 30000h

**MF09-RS**



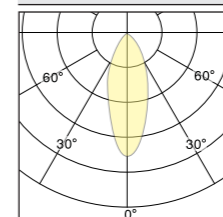
**MF09-C**



3000K  
(Standard)

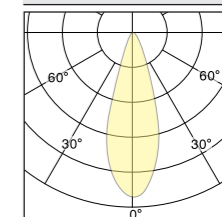
UGR<13

**MF09-RS-25D / MF09-C-25D**



D(cm)	h(m)	E(lx)
64.80	1	1410
129.61	2	352.5
194.41	3	156.7
259.21	4	88.13
324.01	5	56.40

**MF04-RS-30D / MF04-C-30D**



D(cm)	h(m)	E(lx)
73.72	1	1020
147.44	2	254.9
221.16	3	113.3
294.87	4	63.72
368.59	5	40.78

**Order Information**

Order info.	Power	Led Current	Voltage	Luminous Flux(lm)	CRI	CCT	Beam Angle(°)
MF09-RS-830N025W	12W	450mA	27V	750 lm	80+	3000K	25°
MF09-RS-840N025W	12W	450mA	27V	755 lm	80+	4000K	25°
MF09-RS-830N030W	12W	450mA	27V	630 lm	80+	3000K	30°
MF09-RS-840N030W	12W	450mA	27V	635 lm	80+	4000K	30°

**Features**

- Smaller-than-average slim shape allows designers better space planning.
- Square (9-head) support recessed and surface-mounted installation.
- Lighting solutions: quality lights-round and square to set different moods and create different atmospheres with good anti-glare effect.
- Free-flow ventilation heat sink design enables good heat dissipation.
- Small size but with big power.

# FLOS

ENCORE “LED module + mounting ring”, a new innovative design to enable customers do random combination.

FLOS series can be 15W, 11W, 9W wattages, with different size of mounting rings, tailor-made to replace MR16 Halogen 50W down light at various applications.

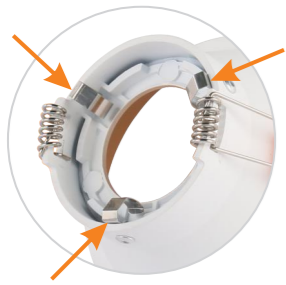
## Overview

<b>Application:</b>	Down Light
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	15°, 20°, 30°, 38°, 60°
<b>Watt:</b>	9W, 11W, 15W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	817lm-1491lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, White+Gold, Black+Gold





LED Module + Mounting Ring



**Clip Construction**  
for quick & easy replacement

LED Module



EN-DLF009-01 (standard)  
EN-DLF009-02 (premium-100lm/W)

**Wattage:** 9W  
**Beam Angle:** 15°, 24°, 38°, 60°  
**Application:** Down light



EN-DLF011-01 (standard)  
EN-DLF011-02 (premium-100lm/W)

**Wattage:** 11W  
**Beam Angle:** 20°, 30°, 38°, 55°  
**Application:** Down light



EN-DLF015-01 (standard)  
EN-DLF015-02 (premium-100lm/W)

**Wattage:** 15W  
**Beam Angle:** 20°, 30°, 38°, 55°  
**Application:** Down light

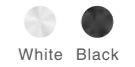
Mounting Ring



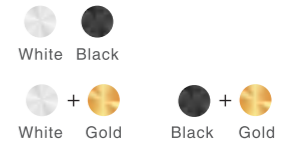
EN-RF01



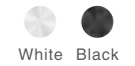
EN-RF02



EN-RF03



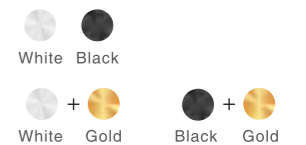
EN-RF04









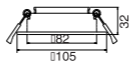
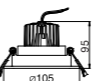
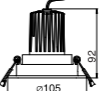
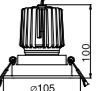


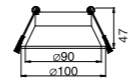
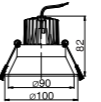
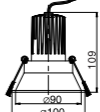
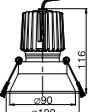


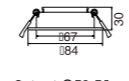
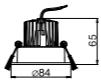
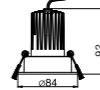
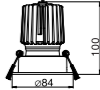


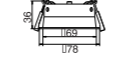
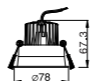
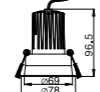
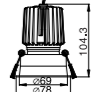


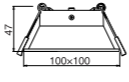
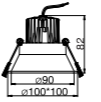
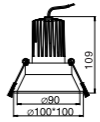
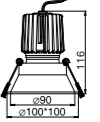


EN-RF05



EN-RF06



Dimension			9W LED Module	11W LED Module	15W LED Module
Luminaire	Mounting Ring				
	 EN-RF01	 Cut out: $\varnothing$ 80mm			
	 EN-RF02	 Cut out: $\varnothing$ 90mm			
	 EN-RF03	 Cut out: $\varnothing$ 90mm			
	 EN-RF04	 Cut out: $\varnothing$ 70-75mm			
	 EN-RF05	 Cut out: $\varnothing$ 70mm			
	 EN-RF06	 Cut out: $\varnothing$ 90mm			



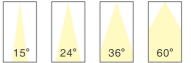
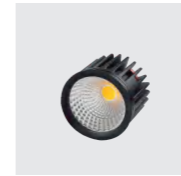
EN-DLF015-01  
EN-DLF015-02      EN-DLF011-01  
EN-DLF011-02      EN-DLF009-01  
EN-DLF009-02



**MAIN FEATURES**

- Perfect for hotel and residential lighting.
- Original Citizen COB LED, has **standard and premium(100lm/W) 2 versions.**
- Variable Mounting rings with different cut-outs & low glare level & titlable for choice.
- “LED module + mounting ring” with clip construction, very easy for installation.
- Replace Mr16 Halogen down light directly at various applications.

EN-DLF009-01  
EN-DLF009-02



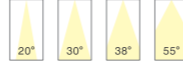
3000K

Model	D(cm)	h(m)	E(lx)
EN-DLF009-01-830N015B	35,0	1	2446,9
	72,0	2	611,7
	105,0	3	271,8
	140,0	4	152,9
	175,0	5	97,8
EN-DLF009-01-830N024B	46,0	1	1683
	91,0	2	420,7
	137,0	3	187,0
	182,0	4	105,2
	228,0	5	67,3
EN-DLF009-01-830N038B	67,0	1	1199
	135,0	2	299
	203,0	3	133
	270,0	4	75,0
	338,0	5	48,0
EN-DLF009-01-830N060B	114,0	1	753,82
	227,0	2	188,46
	341,0	3	83,76
	454,0	4	47,11
	568,0	5	30,15
EN-DLF009-02-830N015B	33,0	1	2947,9
	71,0	2	701,3
	103,0	3	311,3
	138,0	4	188,3
	172,0	5	112,2
EN-DLF009-02-830N024B	48,0	1	1948,4
	92,0	2	487,1
	138,0	3	216,4
	186,0	4	121,7
	231,0	5	77,9
EN-DLF009-02-830N038B	65,0	1	1333,8
	129,0	2	333,4
	194,0	3	148,2
	259,0	4	83,3
	323,0	5	53,3
EN-DLF009-02-830N060B	115,0	1	813,3
	230,0	2	203,3
	345,0	3	90,3
	460,0	4	50,8
	575,0	5	32,5

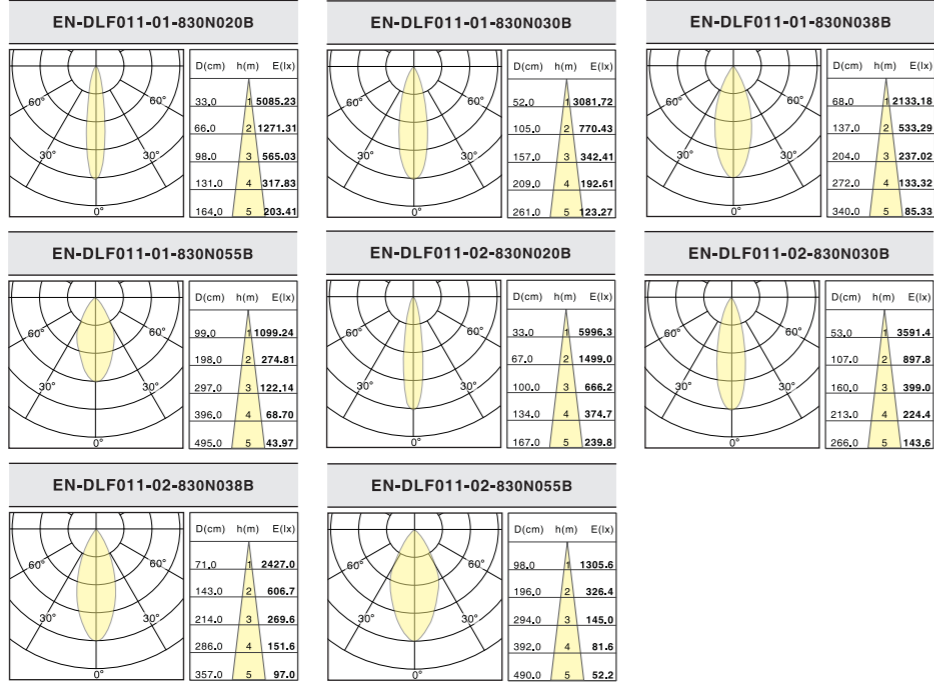
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLF009-01-830N015B	9 W	180mA	723 lm	80+	3000K	15°
EN-DLF009-01-840N015B	9 W	180mA	756 lm	80+	4000K	15°
EN-DLF009-01-830N024B	9 W	180mA	713 lm	80+	3000K	24°
EN-DLF009-01-840N024B	9 W	180mA	735 lm	80+	4000K	24°
EN-DLF009-01-830N036B	9 W	180mA	734 lm	80+	3000K	36°
EN-DLF009-01-840N036B	9 W	180mA	756 lm	80+	4000K	36°
EN-DLF009-01-830N060B	9 W	180mA	714 lm	80+	3000K	60°
EN-DLF009-01-840N060B	9 W	180mA	742 lm	80+	4000K	60°
EN-DLF009-02-830N015B	9 W	180mA	817 lm	80+	3000K	15°
EN-DLF009-02-840N015B	9 W	180mA	857 lm	80+	4000K	15°
EN-DLF009-02-830N024B	9 W	180mA	805 lm	80+	3000K	24°
EN-DLF009-02-840N024B	9 W	180mA	847 lm	80+	4000K	24°
EN-DLF009-02-830N036B	9 W	180mA	801 lm	80+	3000K	36°
EN-DLF009-02-840N036B	9 W	180mA	832 lm	80+	4000K	36°
EN-DLF009-02-830N060B	9 W	180mA	788 lm	80+	3000K	60°
EN-DLF009-02-840N060B	9 W	180mA	830 lm	80+	4000K	60°

EN-DLF009-01(Standard version)  
EN-DLF009-02(Premium version)

EN-DLF011-01  
EN-DLF011-02



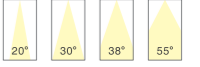
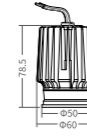
3000K



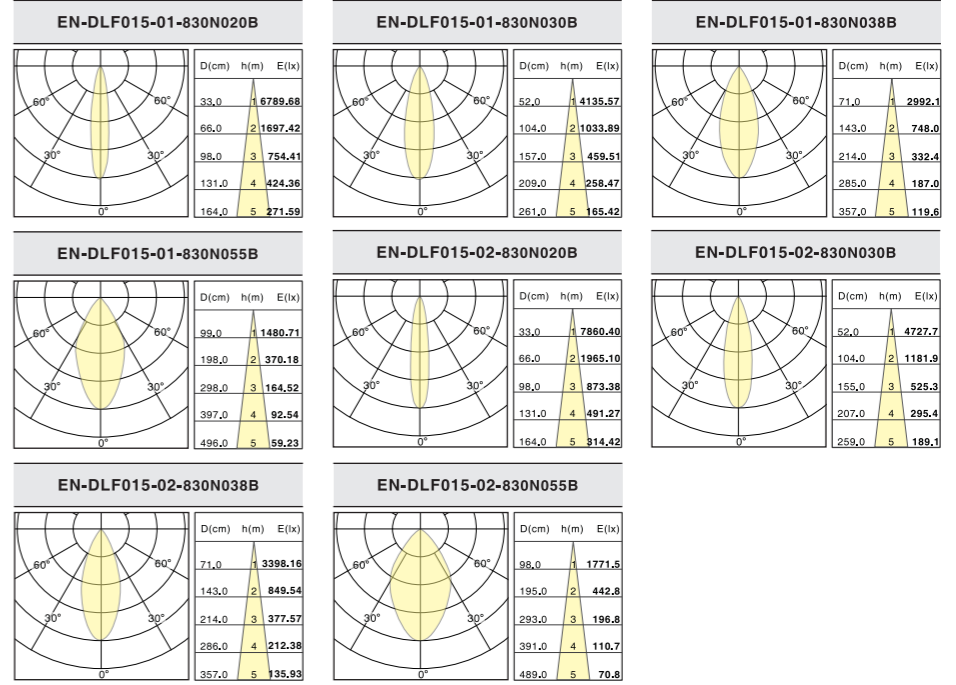
Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLF011-01-830N020B	11 W	250mA	891 lm	80+	3000K	20°
EN-DLF011-01-840N020B	11 W	250mA	903 lm	80+	4000K	20°
EN-DLF011-01-830N030B	11 W	250mA	894 lm	80+	3000K	30°
EN-DLF011-01-840N030B	11 W	250mA	910 lm	80+	4000K	30°
EN-DLF011-01-830N038B	11 W	250mA	892 lm	80+	3000K	38°
EN-DLF011-01-840N038B	11 W	250mA	889 lm	80+	4000K	38°
EN-DLF011-01-830N055B	11 W	250mA	883 lm	80+	3000K	55°
EN-DLF011-01-840N055B	11 W	250mA	876 lm	80+	4000K	55°
EN-DLF011-02-830N020B	11 W	250mA	1100 lm	80+	3000K	20°
EN-DLF011-02-840N020B	11 W	250mA	1125 lm	80+	4000K	20°
EN-DLF011-02-830N030B	11 W	250mA	1088 lm	80+	3000K	30°
EN-DLF011-02-840N030B	11 W	250mA	1130 lm	80+	4000K	30°
EN-DLF011-02-830N038B	11 W	250mA	1080 lm	80+	3000K	38°
EN-DLF011-02-840N038B	11 W	250mA	1122 lm	80+	4000K	38°
EN-DLF011-02-830N055B	11 W	250mA	1058 lm	80+	3000K	55°
EN-DLF011-02-840N055B	11 W	250mA	1108 lm	80+	4000K	55°

EN-DLF011-01(Standard version)  
EN-DLF011-02(Premium version)

EN-DLF015-01  
EN-DLF015-02



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLF015-01-830N020B	15 W	350mA	1175 lm	80+	3000K	20°
EN-DLF015-01-840N020B	15 W	350mA	1187 lm	80+	4000K	20°
EN-DLF015-01-830N030B	15 W	350mA	1183 lm	80+	3000K	30°
EN-DLF015-01-840N030B	15 W	350mA	1198 lm	80+	4000K	30°
EN-DLF015-01-830N038B	15 W	350mA	1188 lm	80+	3000K	38°
EN-DLF015-01-840N038B	15 W	350mA	1203 lm	80+	4000K	38°
EN-DLF015-01-830N055B	15 W	350mA	1176 lm	80+	3000K	55°
EN-DLF015-01-840N055B	15 W	350mA	1189 lm	80+	4000K	55°
EN-DLF015-02-830N020B	15 W	350mA	1463 lm	80+	3000K	20°
EN-DLF015-02-840N020B	15 W	350mA	1587 lm	80+	4000K	20°
EN-DLF015-02-830N030B	15 W	350mA	1465 lm	80+	3000K	30°
EN-DLF015-02-840N030B	15 W	350mA	1577 lm	80+	4000K	30°
EN-DLF015-02-830N038B	15 W	350mA	1461 lm	80+	3000K	38°
EN-DLF015-02-840N038B	15 W	350mA	1555 lm	80+	4000K	38°
EN-DLF015-02-830N055B	15 W	350mA	1438 lm	80+	3000K	55°
EN-DLF015-02-840N055B	15 W	350mA	1497 lm	80+	4000K	55°

EN-DLF015-01(Standard version)  
EN-DLF015-02(Premium version)



## CONCH

Conch(EN-DLT series) is a gimbal downlight, rounded in style, versatile in use. Thanks to a precision optical design lens, the luminous efficiency can reach 110lm/W with very good light distribution. The luminaire can be 360° rotation and 15° tilt inward & 60° tilt outward for all possible light direction.

### Overview

<b>Application:</b>	Down Light
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	15°, 24°, 38°, 60°
<b>Watt:</b>	15W-35W
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI:</b>	80+, 90+
<b>Luminous:</b>	1437lm-3680lm
<b>Control option:</b>	On/off, Triac, DALI
<b>Color:</b>	White, Black, Silver



Beam Reflector

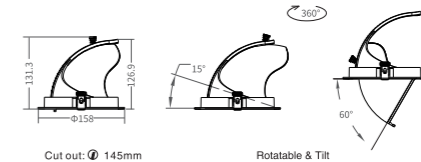
Beam Lens



**MAIN FEATURES**

- Rounded in style, versatile in use.
- Light efficiency is up to 110lm/W.
- 360° rotate and 15° tilt inward & 60° tilt outward for all possible light directions.

EN-DLT025-13  
EN-DLT035-13  
Beam Lens

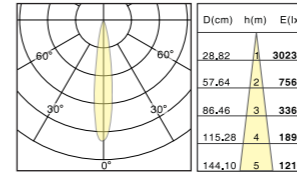


Cut out: Ø 145mm

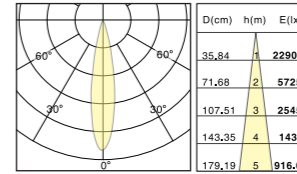
Rotatable & Tilt

3000K

**EN-DLT035-13-830N012W**

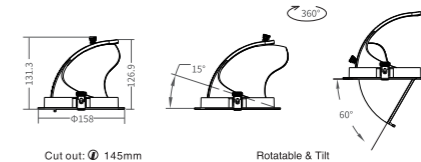


**EN-DLT035-13-830N024W**



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLT025-13-830N012W	25 W	630mA	2944 lm	80+	3000K	12°
EN-DLT025-13-840N012W	25 W	630mA	3098 lm	80+	4000K	12°
EN-DLT025-13-830N024W	25 W	630mA	2848 lm	80+	3000K	24°
EN-DLT025-13-840N024W	25 W	630mA	2998 lm	80+	4000K	24°
EN-DLT035-13-830N012W	35 W	900mA	4066 lm	80+	3000K	12°
EN-DLT035-13-840N012W	35 W	900mA	4280 lm	80+	4000K	12°
EN-DLT035-13-830N024W	35 W	900mA	4010 lm	80+	3000K	24°
EN-DLT035-13-840N024W	35 W	900mA	4221 lm	80+	4000K	24°

EN-DLT025-13  
EN-DLT035-13  
Reflector

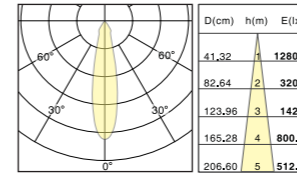


Cut out: Ø 145mm

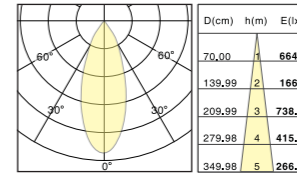
Rotatable & Tilt

3000K

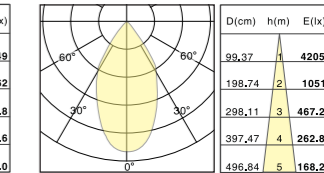
**EN-DLT035-13-830N024W**



**EN-DLT035-13-830N040W**



**EN-DLT035-13-830N060W**



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLT025-13-830N024W	25 W	600mA	2505 lm	80+	3000K	24°
EN-DLT025-13-840N024W	25 W	600mA	2637 lm	80+	4000K	24°
EN-DLT025-13-830N040W	25 W	600mA	2399 lm	80+	3000K	40°
EN-DLT025-13-840N040W	25 W	600mA	2526 lm	80+	4000K	40°
EN-DLT025-13-830N060W	25 W	600mA	2401 lm	80+	3000K	60°
EN-DLT025-13-840N060W	25 W	600mA	2528 lm	80+	4000K	60°
EN-DLT035-13-830N024W	35 W	900mA	3630 lm	80+	3000K	24°
EN-DLT035-13-840N024W	35 W	900mA	3821 lm	80+	4000K	24°
EN-DLT035-13-830N040W	35 W	900mA	3542 lm	80+	3000K	40°
EN-DLT035-13-840N040W	35 W	900mA	3728 lm	80+	4000K	40°
EN-DLT035-13-830N060W	35 W	900mA	3555 lm	80+	3000K	60°
EN-DLT035-13-840N060W	35 W	900mA	3742 lm	80+	4000K	60°



## AXIS

AXIS(EN-DLA series) down lights are idea for retrofit traditional 6inch & 8inch down light, can be round & square, dual-head and triple-head. A wide range of LED-wattage packages give you the power of choice. The luminaire is 30°tilt on 2 pivot axis, can light as wide as possible light direction.

### Overview

<b>Application:</b>	Down Light
<b>Light source:</b>	COB LED
<b>SDCM:</b>	<3
<b>Light solution:</b>	24°, 40°, 60°
	20W-114W
<b>Watt:</b>	2700K, 3000K, 4000K, 5000K
<b>CCT:</b>	80+, 90+
<b>CRI:</b>	2324lm-3673lm / Single head
<b>Luminous:</b>	DALI, Triac, 1-10V
<b>Control option:</b>	White+Black, Black
<b>Color:</b>	

## Axis Series

EN-DLA020-01  
EN-DLA030-01  
EN-DLA038-01

**Wattage:** 20W, 30W, 38W  
**Beam Angle:** 24°, 40°, 60°  
**Application:** Down light

EN-DLA020-02  
EN-DLA030-02  
EN-DLA038-02

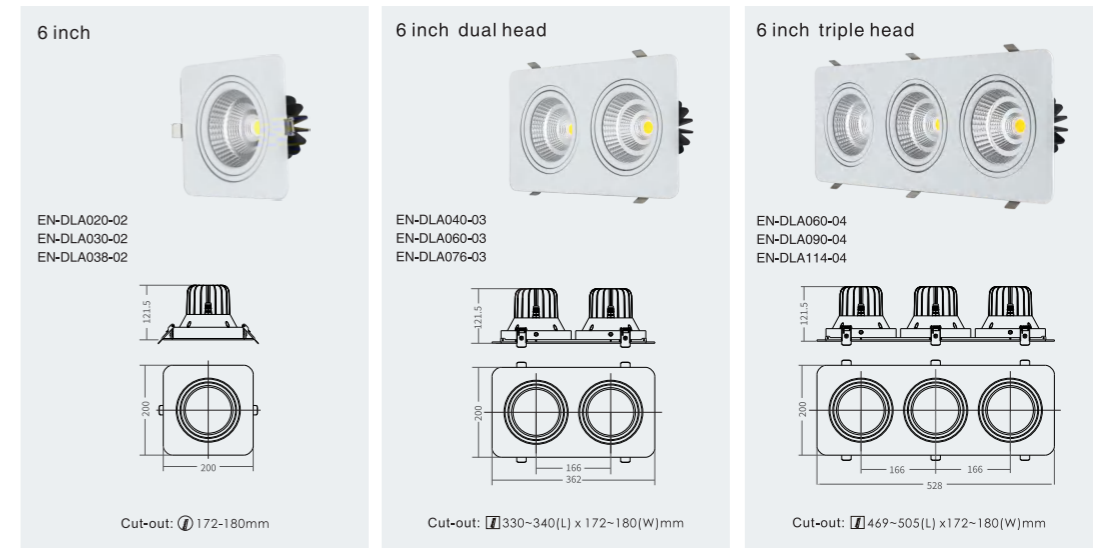
**Wattage:** 20W, 30W, 38W  
**Beam Angle:** 24°, 40°, 60°  
**Application:** Down light

EN-DLA040-03  
EN-DLA060-03  
EN-DLA076-03

**Wattage:** 40W, 60W, 76W  
**Beam Angle:** 24°, 40°, 60°  
**Application:** Down light







**MAIN FEATURES**

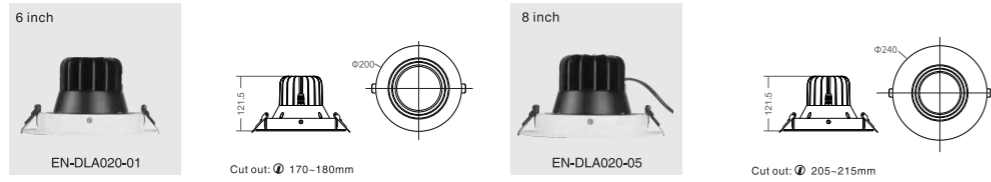
- Ideal for retrofit traditional 6inch & 8inch down light.
- A wide range of LED-Wattage packages give you the power of choice.
- Light efficiency is up to 95lm/W.
- Appoint the luminaire on the object or area of your choice **by adjusting the  $\pm 30^\circ$  pivot axis**, common dimming methods are supported.
- Can be suspended or recessed installation.

OR
 
 OR
 
 OR

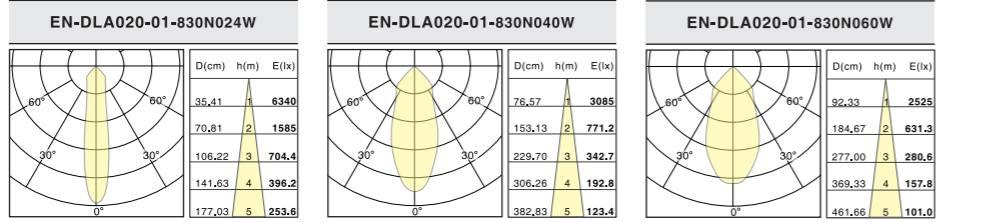
**MAIN FEATURES**

- Single Downlight or can be more with dual head and triple head.
- A wide range of LED-Wattage packages give you the power of choice.
- Appoint the luminaire on the object or area of your choice **by adjusting the  $\pm 30^\circ$  pivot axis**, common dimming methods are supported.
- Can be suspended or recessed installation.

EN-DLA020-01  
EN-DLA020-05

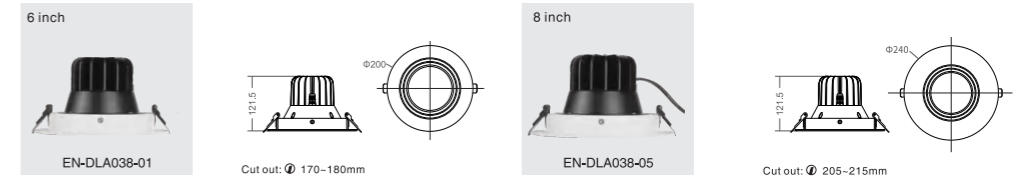


3000K

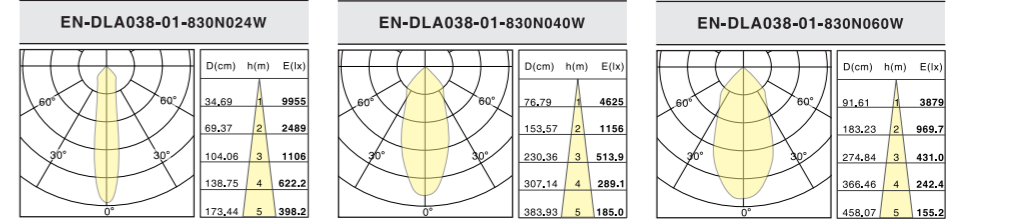


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLA020-01-830N024W	20 W	500mA	2324 lm	80+	3000K	24°
EN-DLA020-01-840N024W	20 W	500mA	2446 lm	80+	4000K	24°
EN-DLA020-01-830N040W	20 W	500mA	2313 lm	80+	3000K	40°
EN-DLA020-01-840N040W	20 W	500mA	2434 lm	80+	4000K	40°
EN-DLA020-01-830N060W	20 W	500mA	2271 lm	80+	3000K	60°
EN-DLA020-01-840N060W	20 W	500mA	2390 lm	80+	4000K	60°

EN-DLA038-01  
EN-DLA038-05

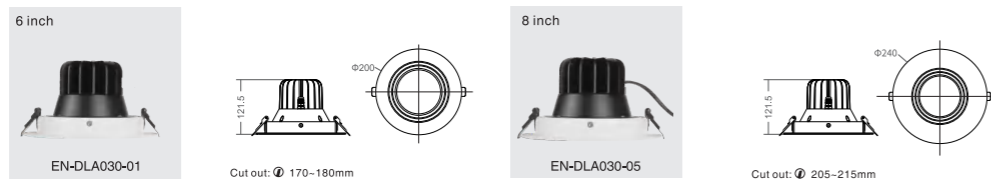


3000K

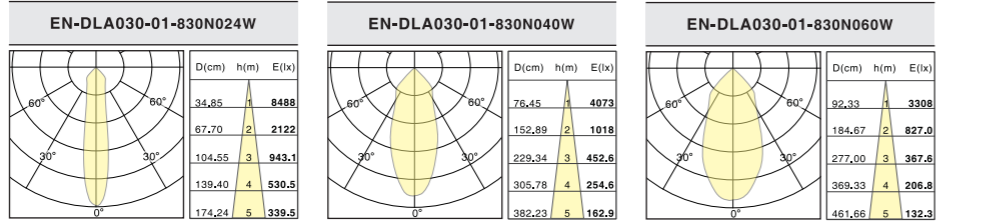


Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLA038-01-830N024W	38 W	900mA	3552 lm	80+	3000K	24°
EN-DLA038-01-840N024W	38 W	900mA	3739 lm	80+	4000K	24°
EN-DLA038-01-830N040W	38 W	900mA	3489 lm	80+	3000K	40°
EN-DLA038-01-840N040W	38 W	900mA	3673 lm	80+	4000K	40°
EN-DLA038-01-830N060W	38 W	900mA	3456 lm	80+	3000K	60°
EN-DLA038-01-840N060W	38 W	900mA	3638 lm	80+	4000K	60°

EN-DLA030-01  
EN-DLA030-05



3000K



Order info.	Power	Led Current	Luminous Flux(lm)	CRI	CCT	Beam Angle (°)
EN-DLA030-01-830N024W	30 W	700mA	3041 lm	80+	3000K	24°
EN-DLA030-01-840N024W	30 W	700mA	3201 lm	80+	4000K	24°
EN-DLA030-01-830N040W	30 W	700mA	3054 lm	80+	3000K	40°
EN-DLA030-01-840N040W	30 W	700mA	3214 lm	80+	4000K	40°
EN-DLA030-01-830N060W	30 W	700mA	2967 lm	80+	3000K	60°
EN-DLA030-01-840N060W	30 W	700mA	3123 lm	80+	4000K	60°



**LED LIGHTING SOLUTION FOR COMMERCIAL SITES,  
MUSEUMS AND GALLERIES.**

2020-2021 edition