PERFEKTLICHT

Tomline Linear High Bay

Extremely energy efficient - up to real 150 lm/w

60W/100W/120W/150W/180W/200W

Features

Extremely energy efficient - up to real 150 lm/w
Very high Luminous flux - up to 28.000 lm
Newest generation 1w EMC3030 chips
Improved heat dissipation performance
Perfectly suitable for industrial use due to IP65
Long lifetime due to high quality LED chips and drivers
No UV or IR and completely mercury free
10 Years warranty

Options

Optional Meanwell driver available
CRI 80 Ra available upon request
1-10V dimmable and DALI available
Microwave motion sensor available
Optional emergency power supply
Zigbee is available

Area of application

Factories and warehouses
High rooms and halls
Exhibition- & showrooms
Suitable for outdoor use

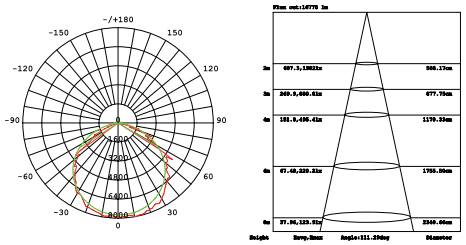
Certificates

American market: UL, DLC Premium, cUL
European market: TUV, GS,CB,CE (EMC, LVD, RoHS), D-Mark
Australian market: SAA, C-Tick,RCM

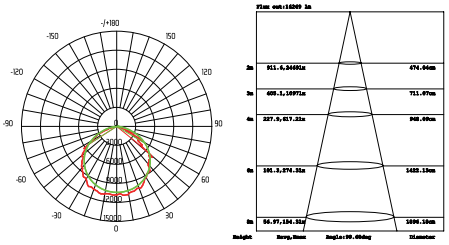
This new version of Tomline comes with some improvements. The housing was specially designed to provide a much larger surface area for heat dissipation. Compared to the previous model it now has almost twice the cooling power while maintaining the same weight and shape. The new generation of 1w EMC3030 LED chips provide an immense light output and maximum efficiency. This extremely robust industrial light is available with two driver choices: The proven and extremely stable TOMCARLINE drivers and the well-known MEANWELL ELG driver series. Both versions can be used in all areas where an IP grade up to IP65 is needed. Thanks to the large IK10 rated polycarbonate the illumines distribution is perfectly homogeneous.

Light Distribution Curve and Average E (LX) Figure---5000K

150W/CW



200W/CW



Basic Specifications

Standard lumen(120lm~130lm/W)

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T10B-60W	60	AC100~277V 50~60Hz	120±5	7200±300	120°	140x1w EMC3030	>70Ra
T10B-100W	100		120±5	12000±500		140x1w EMC3030	
T10B-120W	120		120±5	14200±600		196x1w EMC3030	
T10B-150W	150		120±5	175000±750		196x1w EMC3030	
T10B-180W	180		120±5	22000±900		252x1w EMC3030	
T10B-200W	200		120±5	24000±1000		252x1w EMC3030	

Lemen Plus(140lm~150lm/W)

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T10B-60W	60	AC100~277V 50~60Hz	145±5	8700±300	120°	196x1w EMC3030	>70Ra
T10B-100W	100		145±5	14500±500		196x1w EMC3030	
T10B-120W	120		145±5	17000±600		252x1w EMC3030	
T10B-150W	150		145±5	22000±900		252x1w EMC3030	
T10B-180W	180		145±5	26000±900		336x1w EMC3030	
T10B-200W	200		145±5	29500±1200		336x1w EMC3030	

Electrical datas

Operating frequency	47-63Hz
Type of current	AC100~277V
Power factor λ	>0.9
Efficiency in %	>92%
Start time (0.2s / 0.5s / ...)	0.1S
Warm-up time to 60% (1.5s / 2s / ...)	0.5S

Photometrical data

Available light colors	Warm white;Natural white; daylight white
Available color temperatures	3000K;4000K;5000K;6000K
Color rendering index Ra	>70 ,>80 optional
Standard deviation of color matching	<3
UGR (Unified Glare Rating)	<27
Available beam angles	120°

Standards & Certification

Type of protection	Ip65
Tested dielectric strength	3.75KVac
Safety features features	Open circuit protection; Short circuit protection; Overvoltage protection
Certificates	American market: UL, DLC Premium, cUL European market: TUV, GS, CB, CE, D-Mark Australian market: SAA, Ctick,RCM
Energy efficiency class	A+ & A++

Temperatures & operating conditions

Operating temp	-20~+69℃
Ambient temperature	-30~+50℃
Storage temperature	-40~+80℃

Lifespan

Rated nominal Lifetime	50.000 hours
Switching cycles	100.000 times
Lumen maintenance at e.o.l.	70%

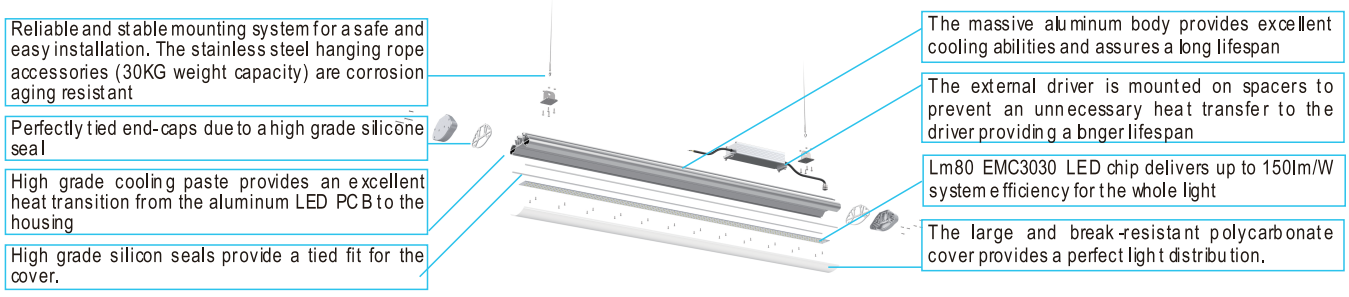
Features/Capabilities and additional product data

Base/Socket	Directly wired
Dimmable	1-10V dimmable, DALI dimmable,

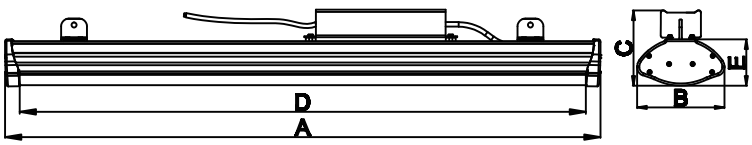
Packing Information

Model	Dimension	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs(kg)	Gross Weight /CTN(kg)
T10B-60W	605*135*72	66*28*18	2PCS	3.2	7.8
T10B-100W	605*135*72	96*28*18	2PCS	4.4	11
T10B-120W/150W	905*135*72	126*28*18	2PCS	5.5	13.5
T10B-180W/200W	1205*135*72	156*28*18	2PCS	6.6	16.8

Exploded drawing

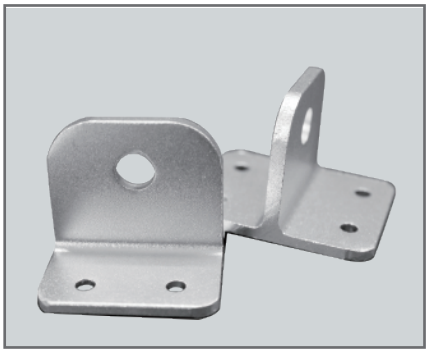


Dimension



A=605 905 1205 1505
B=135
C=115
D=565 865 1165 1465
E=72

Included accessories

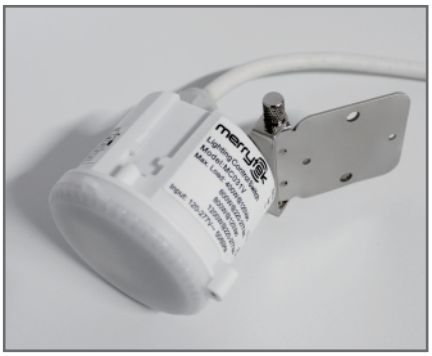


These corrosion and aging resistant brackets are included. The position can be adjusted by loosening the screws.

These stainless steel hanging ropes are also included. Its weight capacity is 30Kg.

Optional accessories

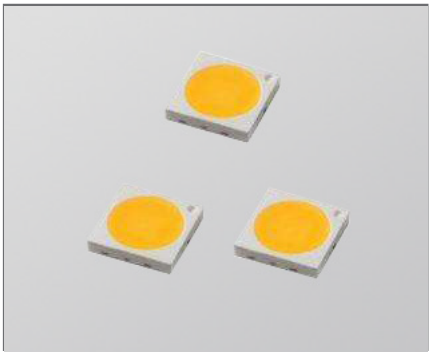
This linear High bay series is available with 1-10V dimmable drivers from FYT or from Meanwell. Upon request we can also provide DALI compatible drivers.



The Optional Merrytek microwave motion sensor has a detection range of around 15m and an IP grade of IP65. Pricing upon request.

We can provide emergency-power-supplies for up to 180 minutes emergency-lighting-time for this product. Technical details and pricing upon request.

We can provide Zigbee controller & receiver for this product. Technical details and pricing upon request.



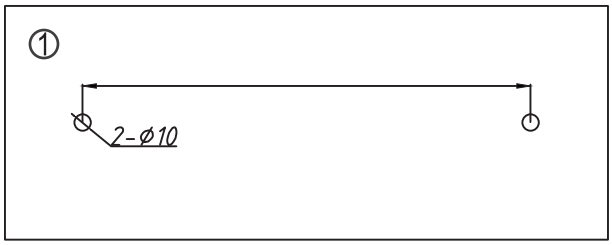
Our standard for this product is CRI 70Ra but for special applications we can provide high grade LED chips with CRI 80Ra.

Application and safety notes

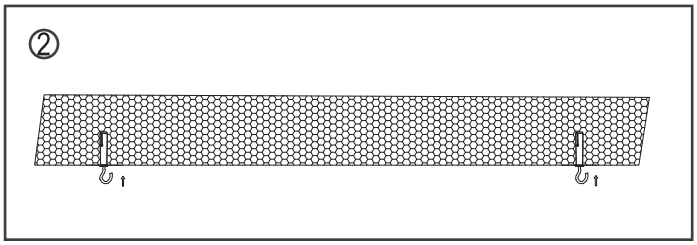
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local building and electrical codes.
- The product must not be damaged or operated in a damaged condition.
- This luminaire must be directly wired on line. Any ballast or other power device previously used with the replaced luminaire must be removed.
- Between the luminaire and any possibly flammable material must be an appropriate safety space (at least 20cm).
- The luminaire must not be covered with heat insulating materials.
- Always provide proper ventilation around the luminaire and do not exceed the maximum ambient temperature.
- Compared to traditional lights the characteristic light distribution of this LED luminaire may differ. In order to be sure to meet your lighting require ments a photometric check of the installation is recommended.

Installation Instructions for suspended use

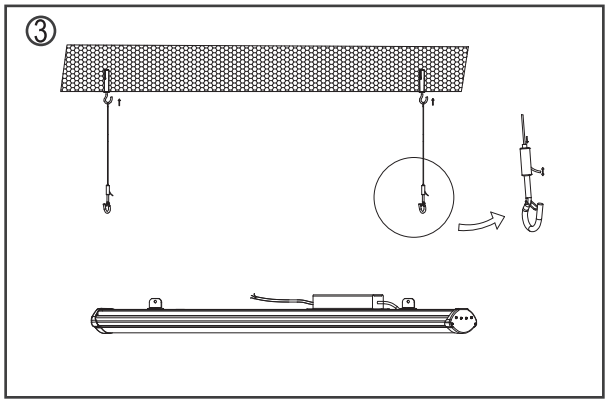
- The modification must be done by qualified personal
- Before you start make sure that the supply voltage is disconnected so you can work safely
- Drill two 10mm holes in the ceiling at the position you want the light to be installed and put in the screws
- Place the hanging ropes on the clivers of the expansion screws and adjust the ropes to the suitable length
- Hang the luminaire on the hooks of the ropes make sure the safety clip is completely closed
- Connect the driver to the power line.



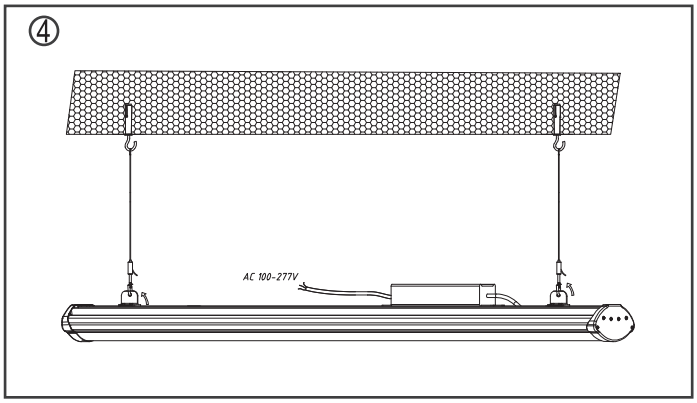
Adjust the spacing between the holes according to your installation situation



Fix the expansions screws in the wholes you prepared



Connect the fixture to the rope and make sure the safety clip is closed



L – Brown N – Neutral PE – Green-Yellow

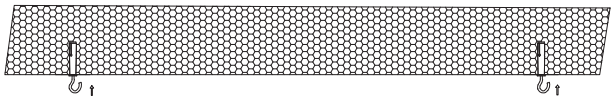
Installation Instructions for Surface mounting

- The modification must be done by qualified personal
- Before you start make sure that the supply voltage is disconnected so you can work safely
- Drill two 10mm holes in the ceiling at the position you want the light to be installed and put in the screws
- Hang the luminaire on the clivers of the expansion screws
- Connect the driver to the power line.

①

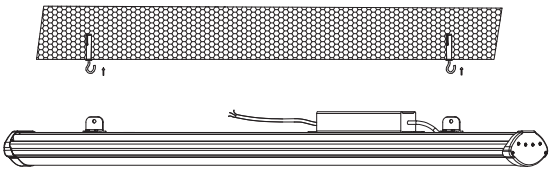
Adjust the spacing between the holes according to your installation situation

②



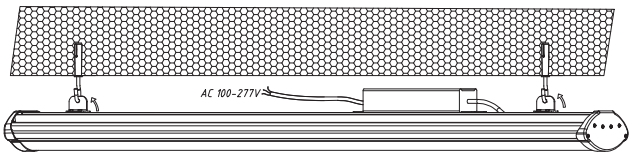
Fix the expansions screws in the wholes you prepared

③



Connect the fixture to the rope and make sure the safety clip is closed

④



L – Brown N – Neutral PE – Green-Yellow

Maintenance

- To avoid injuries, disconnect power to the light and allow the unit to cool down before performing maintenance.

⚠ **Warning**: No user serviceable parts inside. Risk of electric shock. Removal of the lens will void the warranty.

- Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on an annual basis. Frequency of use and environment should determine this.
- The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.
- Inspect the cooling surfaces and fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.