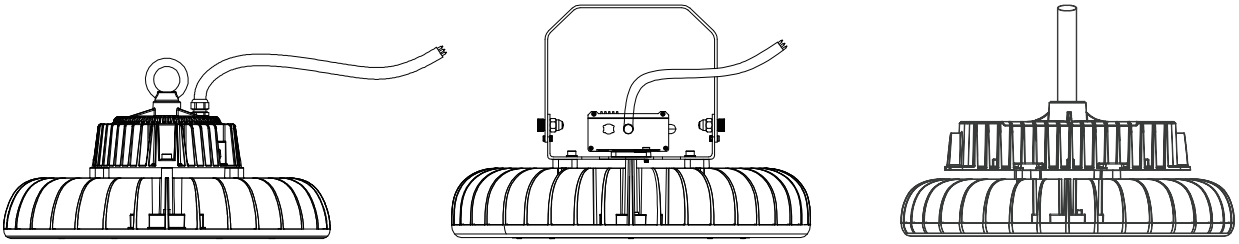
lux velocitas

lighting to the point



Skybay 65℃ Highbay

150W / 200W / 260W

Features

Specially designed for high temperature environments up to 65℃
Very high Luminous flux – up to 36000 LM
Newest generation of Lumileds EMC3030 chips
Advanced heat dissipation performance
Perfectly suitable for industrial use due to IP65
Long lifetime due to high quality power drivers
5 Years warranty

Options

CRI 80 Ra available upon request
1–10V dimmable
Aluminum reflector
480V high voltage driver, DALI dimmable driver
Pendant 3/4"NPT installation

Area of application

Steel factories
Paper mills
Plastic production
Cement factories

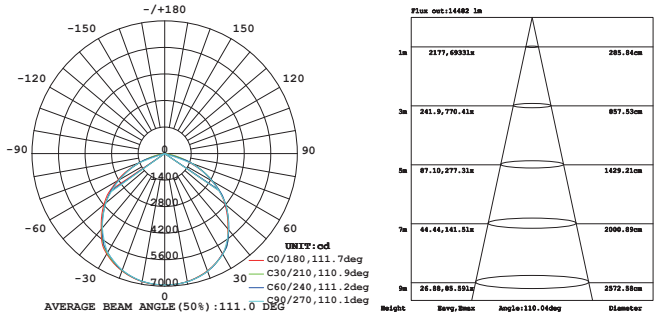
Certificates

American market: UL, DLC Premium, cUL
European market: CE (EMC, LVD, RoHS)

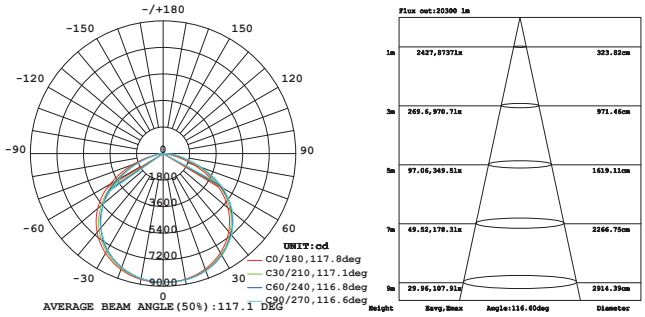
With the new High-Temperature Highbay Series we are expanding our product range with a unique and powerful solution for environments with high ambient temperatures. This unique high bay fixture also provides significant energy savings and longtime maintenance intervals. Its high end driver components, an enlarged heat sink as well as high quality LED chips assure a long lifespan and superior durability for warm environments.

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

150W



200W



Basic Specifications

Standard lumen (140 Lm/W)

Model	Nominal Wattages(W)	Nominal voltage	Rated luminous efficacy (lm/W)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
LUX Skybay-150WHT	150	AC100~277V 50~60Hz	140±10	21000±1500	110°	252PCS Lumileds EMC3030	>70Ra
LUX Skybay-200WHT	200		140±10	28000±2000		336PCS Lumileds EMC3030	
LUX Skybay-260WHT	260		140±10	36400±2600		420PCS Lumileds 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
Standard deviation of color matching	<5
UGR (Unified Glare Rating)	<27
Available beam angles	110°

Standards & Certification

Type of protection	IP65
Tested dielectric strength	3.75KVac
Safety features features	Open circuit protection ; Short circuit protection ; Over voltage protection ;
Certificates	American market: UL, DLC Premium, cUL European market: CE
Energy efficiency class	A+

Temperatures & operating conditions

Heat sink temperature	-20~+93℃
Ambient temperature	-30~+65℃
Storage temperature	-40~+80℃

Lifespan

Features / Capabilities and additional product data

Rated nominal Lifetime	50.000 /100.000 hours	Base/Socket	Directly wired
Switching cycles	100.000 times	Dimmable	1-10V dimmable , DALI dimmable
LED Device Lifetime	L70		

Packing Information

Model	Dimension	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs(kg)	Gross Weight /CTN(kg)
LUX Skybay-150WHT	365*180MM	50*43*23	1PCS	6.3	7.8
LUX Skybay-200WHT	400*197MM	55*43*23	1PCS	9.4	11.2
LUX Skybay-260WHT	400*197MM	55*43*23	1PCS	9.4	11.2

Exploded drawing

The insolated double-stage power driver is mounted on spacers to prevent unnecessary heat transfer to the driver. A central mounted hook for suspended installation is included.

The aluminum heat sink of our Hi-Temp Series is massively oversized to assure its effective-ness.

The PCB accommodates the high binning Lumileds EMC3030 chips and has a very high thermal conductivity rating.

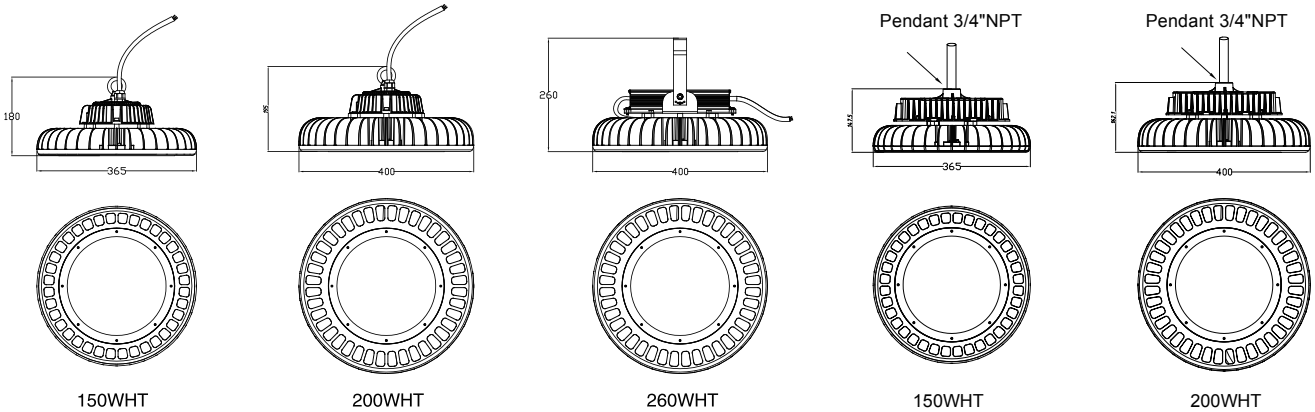
Industrial rated cooling paste assures an excellent heat transfer.

Industrial rated silicon gasket.

The glass cover protects the optic from dust, water and other pollutants.

The Cover -Ring secures the optic system with non-corroding stainless steel screws.

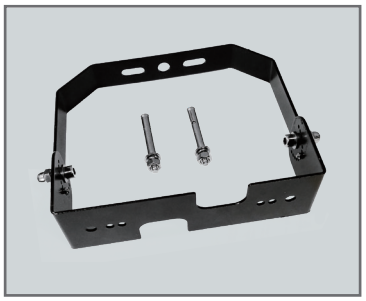
Dimension



150WHT 200WHT 260WHT 150WHT 200WHT

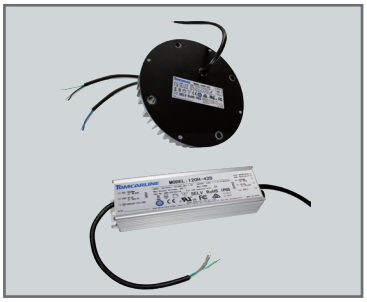
Included accessories

This mounting hook is included in the pricing for the round driver. It can be screwed on the top of the driver casing allowing for a quick and easy suspended installation.

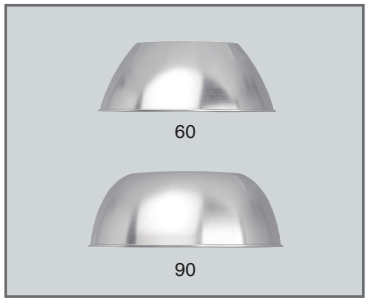


This bracket for wall- or ceiling mounting is included in the pricing for the square driver. It also can be used on the round-driver version as an option.

Optional accessories



Our Skybay High bay series is available with 1-10V dimmable drivers from FYT.



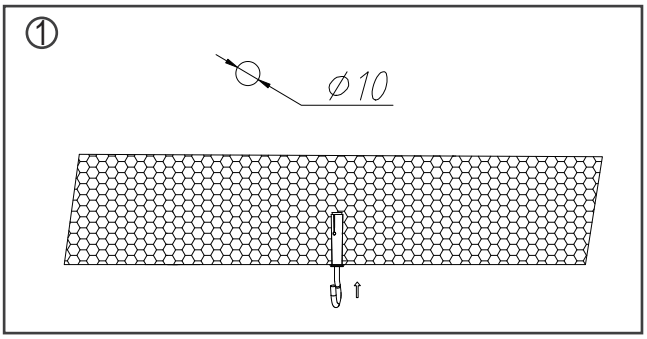
Our optional aluminum reflectors can provide a more traditional look for our Skybays. Beam angels of 60 and 90 degrees are available.

Application and safety notes

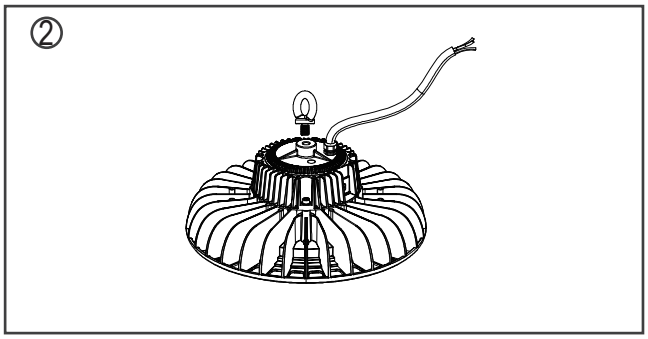
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local 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 requirements a photometric check of the installation is recommended.

Installation Instructions for suspended use

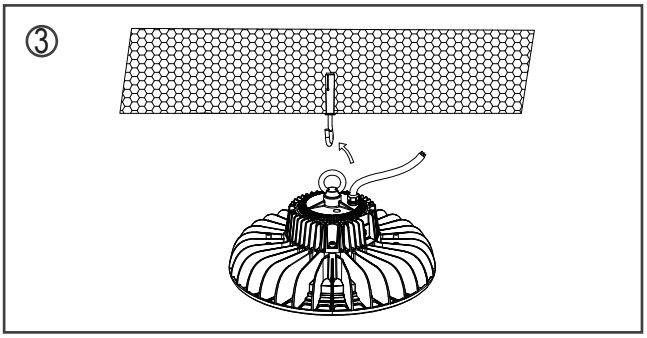
- The modification must be done by qualified personal
- Before you start make sure that the supply voltage is disconnected so you can work safely
- Drill a hole in the ceiling at the position you want the light to be installed and put in a screws/hook
- Place the hanging rope/chain on the hook and adjust the length
- Hang the luminaire on the rope by using the hook mounted on the top of the luminaire
- Connect the driver to the power line



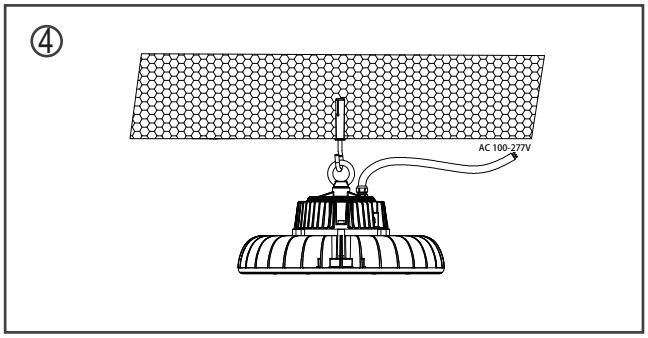
Place the screw in the hole you drilled



Screw the hook on the top of the luminaire



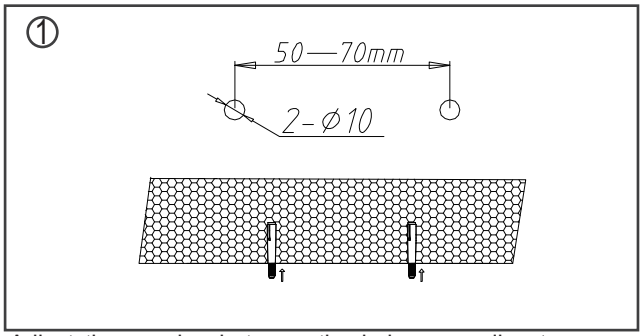
Hang the luminaire on a rope or directly at the ceiling



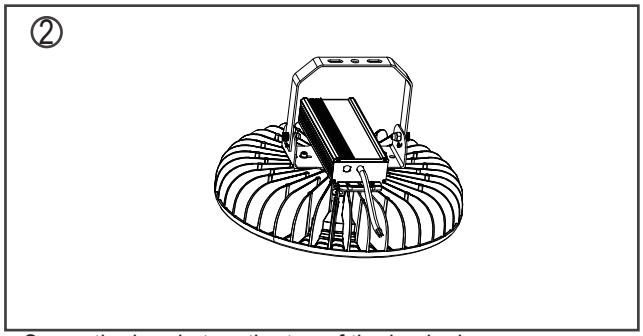
L – Brown N – Neutral PE – Green-Yellow

Installation Instructions for Surface mounting

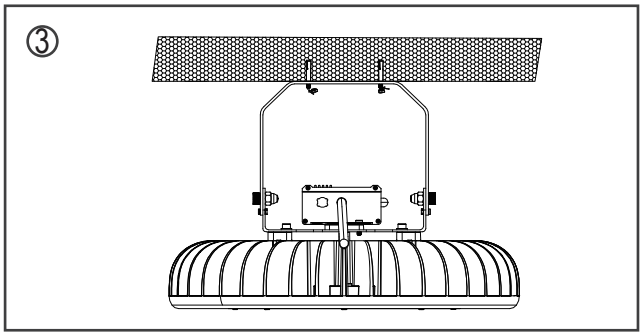
- The modification must be done by qualified personal
- Before you start make sure that the supply voltage is disconnected so you can work safely
- Drill two 10mm holes in the ceiling at the position you want the light to be installed and put in the screws
- Screw the luminaire tightly at the ceiling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



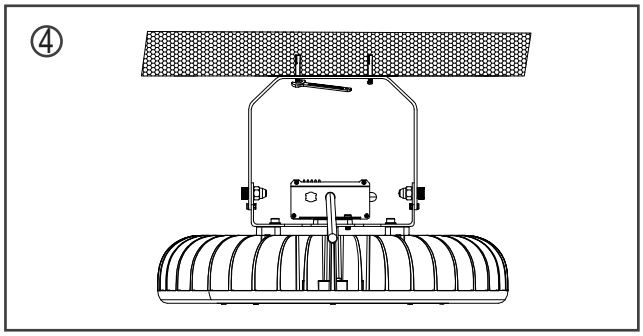
Adjust the spacing between the holes according to your installation situation



Screw the bracket on the top of the luminaire



Screw the luminaire tightly to the ceiling



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.