

# TECH LIGHTING

LED EXPERIENCE

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[www.techlighting.eu](http://www.techlighting.eu)


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## CATALOGUE

*Quality Within Your Reach*

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# Content

# TECH LIGHTING

## LED EXPERIENCE

### LED SPORT FIELD LIGHT



### LED AREA LIGHTING



### LED HIGH BAY LIGHT



### WATERPROOF LINEAR LIGHT



### LED EXPLOSION PROOF



### LED GROW LIGHT



### LED CELLAR LIGHT



### LED PANEL LIGHT



Dear Madam, dear Sir,

Our company, based in Belgium, specializes in the import and distribution of LED lighting equipment exclusively for professionals and industry. We have extensive experience in this growing field, with top quality products. We systematically support our customers before, during and after their respective project with advices, precise choice of products, as well as a sharp technical analysis such as the "DIALUX" of your project, 3D lighting study...all delivered at your place.

All our products have a 5-year on-site warranty, offices, showrooms, halls, sports grounds and for all industrial lightings. We market products such as IP 65 hermetic fittings, various IP 66, IP67 and even IP69K products, UFO, STIP LED, PANELS, LED TUBE, ANTI EXPLOSION, DECORATIVE, SPORTS, SHOPS lightings and many others up to 1500W LED spotlights; If you want extremely competitive prices with impeccable quality, we will be happy to send it to you.

We offer exclusive products such as our programmable LED bell with twilight movement; This model will allow you to benefit from significant energy savings that you can adjust with its dedicated remote control (p53 of our catalog). Also, our Galaxy (p47 of our catalog), ultra powerful industrial luminaire specially designed to limit the purchase of innumerable units (an industrial-type corridor of 57m in length in a storage area, height of 9m will only be provided with 6 to 7 structures!) offering a luminescent rendering of min 200 LUX ON THE GROUND for an unrivaled price. Also let's not forget our Lock & Lock, elegant triproof with 8400lm IP 65 including an ingenious ultra fast and secure connection system (huge time saving in placement).... We move, we carry out the tests for your projects for free, and, best of all, we lend you our equipments to test them.

Let's meet with our led experience.

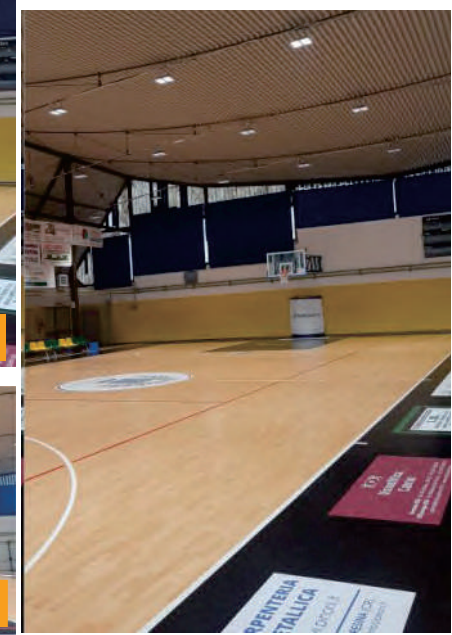
Looking forward to your feedback.

Yours faithfully,  
The whole Tech Lighting team  
+32 67.63.88.24  
Rue Johannes Gutenberg 23/1400 Nivelles - Belgium



“ The right lighting in the right place is a crucial factor in industry for greater productivity and employee motivation. The effortless managing of visual tasks affects employee performance, the quality of work as well as occupational safety. The spectrum of these requirements is so diverse that generally applicable lighting and only a single correct lighting for workplaces is not possible. All our lightings are therefore developed on the basis of specific characteristics and requirements depending on the respective needs.

Project: Indoor Basketball Gym  
 Location: Italy  
 Light used: 35pcs Mildbeam 200w



## Redefine Anti-Glaring

UGR <19

Anti-glaring light is required more and more for applications where people doesn't feel comfortable with the glaring light, especially when the light were not very high. MILDBEAM is the ideal solution for visual protection. This increases the performance of staff and the quality of their work.



- **Advanced UGR technology**

The Optics was specially developed to minimize glare and maximize homogeneity. With an anti-glaring film on the lens and a shield in front, we managed to achieve UGR<19

- **Simple installation**

With ceiling installation accessory equipped with mains lead, the two suspension points at the ceiling could be combined to One-Point installation. This saves time and cost for installation. And even vibrations and air movements are no longer able to twist it.



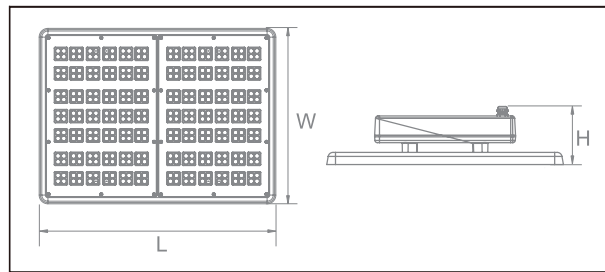
Before After

Project: Wall's Warehouse  
 Location: France  
 Light used: 89pcs Mildbeam



**UGR<19**

**Features**  
 Housing: Pure Aluminum  
 Thermal Conductivity: 226 W/m·K  
 Led: CREE JK 3030  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 10KV  
 Waterproof: IP65  
 Impact Test: IK10  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -40~50°C  
 Tm21: L90B10>50,000H  
 Lifetime: 50,000H

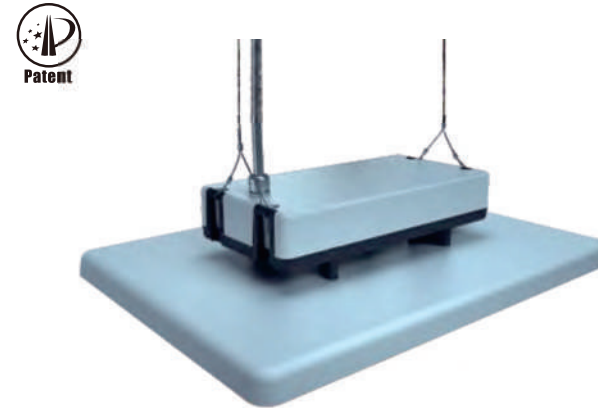


**Functions**  
 ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**

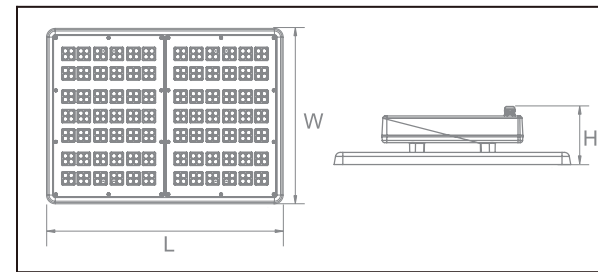
130lm/w 5 YEARS WARRANTY Osram Driver CREE LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB060ME2F-CO	60W	220~240	7800LM	>80	IP65	362*257*120
HB100ME2F-CO	100W	220~240	13000LM	>80	IP65	362*257*120
HB150ME2F-CO	150W	220~240	19500LM	>80	IP65	415*310*120
HB200ME4F-CO	200W	220~240	26000LM	>80	IP65	487*362*120
HB300ME6F-CO	300W	220~240	39000LM	>80	IP65	720*365*130
HB360ME6F-CO	360W	220~240	43200LM	>80	IP65	720*365*130



**160LM/W**

**Features**  
 Housing: Pure Aluminum  
 Thermal Conductivity: 226 W/m·K  
 Led: CREE JK 3030  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 10KV  
 Waterproof: IP65  
 Impact Test: IK10  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -40~50°C  
 Tm21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**

160lm/w 5 YEARS WARRANTY Osram Driver CREE LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB060ME2I-CO	60W	220~240V	9600LM	>70(80)	IP65	L362*W257*H120MM
HB100ME2I-CO	100W	220~240V	16000LM	>70(80)	IP65	L362*W257*H120MM
HB120ME2I-CO	120W	220~240V	19200LM	>70(80)	IP65	L415*W310*H120MM
HB150ME4I-CO	150W	220~240V	24000LM	>70(80)	IP65	L487*W362*H120MM
HB200ME4I-CO	200W	220~240V	32000LM	>70(80)	IP65	L487*W362*H120MM
HB300ME6I-CO	300W	220~240V	48000LM	>70(80)	IP65	L720*W365*H130MM
HB360ME6I-CO	360W	220~240V	57600LM	>70(80)	IP65	L720*W365*H130MM



Gentlelight

## Low Glaring

Low glaring light is required more and more for applications of indoor stadium where people doesn't feel comfortable with the glaring light, especially when they smash the ball up into the air. Our tennis light is the ideal solution. It not only enhances the performance of players, but also the atmosphere of the match.

Uniform light, low glaring

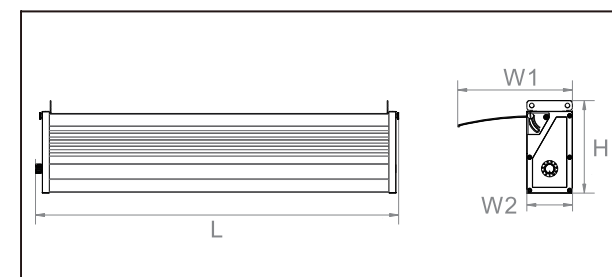
## Perfect for indoor tennis court

*Our design team work to achieve optimum uniformity and maximum lux levels by using tailored lights, lenses and reflecting system to provide the correct distribution of light for your courts and the very gentle eye-friendly light for players. Reflector is available to be re-directed to ensure the light angles are correct and the best possible combination quality and quantity of light is achieved.*

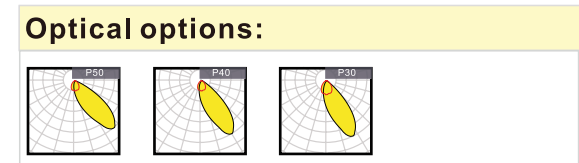
CE RoHS compliant LM 79 LM 80 TM 21



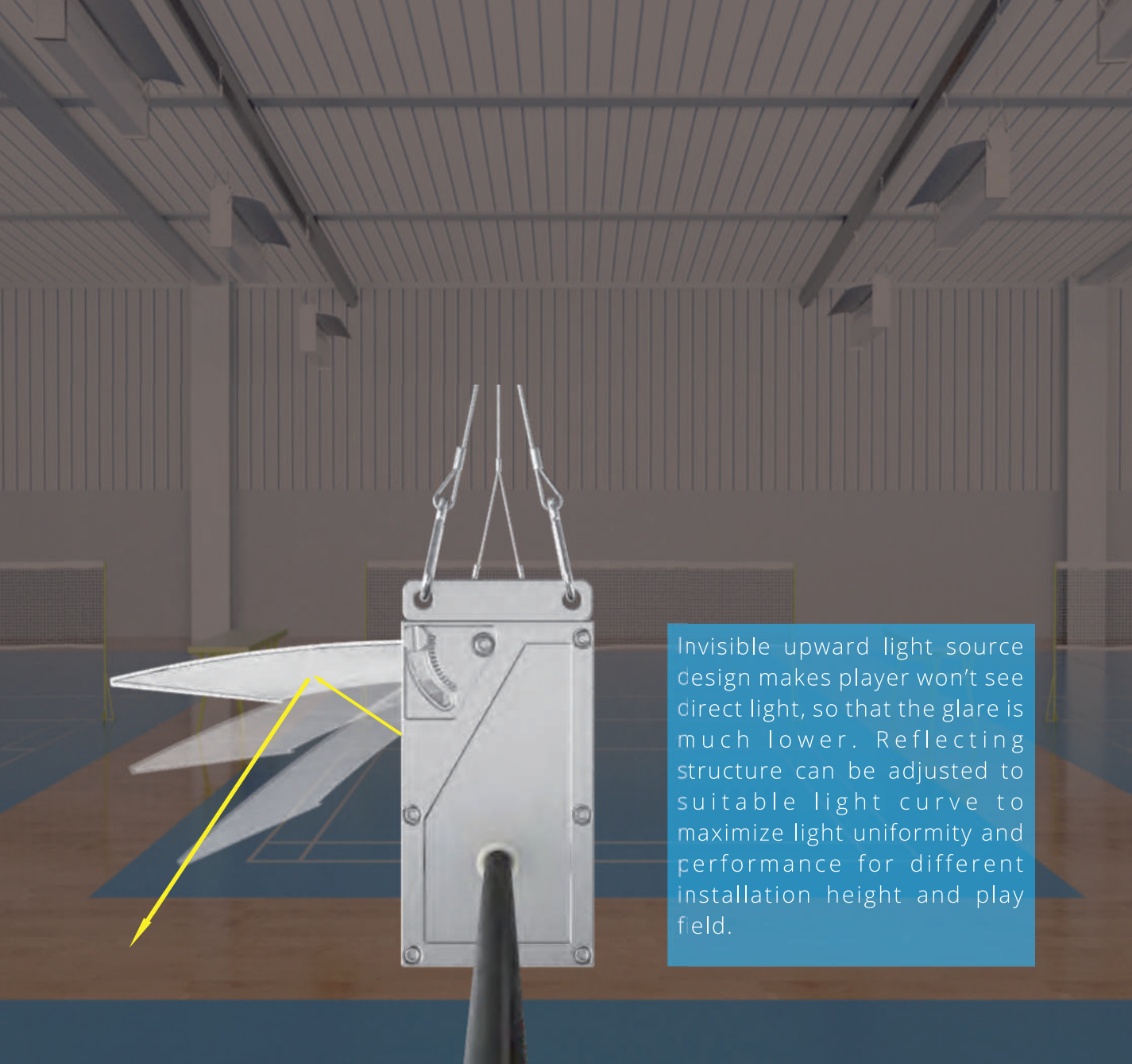
- Features**
- Housing: Pure Aluminum
  - Thermal Conductivity: 226 W/m·K
  - Led: Philips
  - CRI: Ra>80
  - SDCM: <6
  - Power Factor: >0.95
  - THD: <15
  - Driver: Meanwell
  - Driver Efficiency: >93%
  - Protection: OTP, OCP, OVP, SCP
  - Surge Protection: 6KV
  - Waterproof: IP54
  - Impact Test: IK10
  - Electrical: 100-277V, 50/60Hz
  - Operating Temperature: -40~50°C
  - Tm21: L90B10>50,000H
  - Lifetime: 50,000H



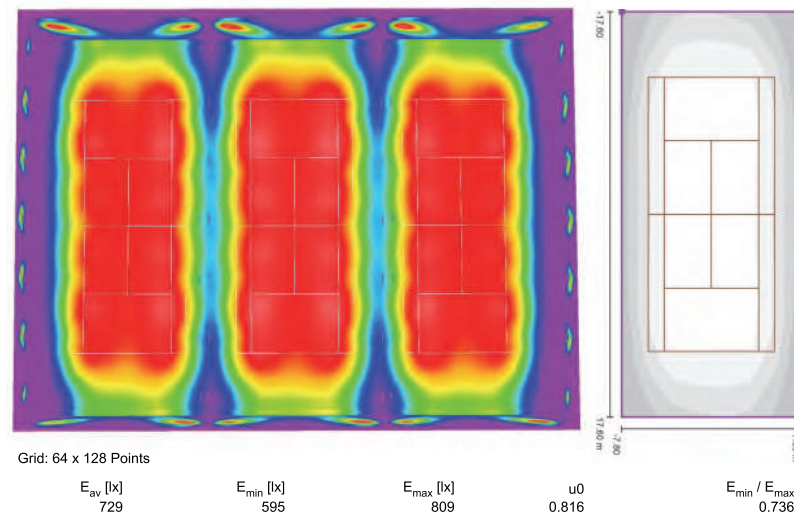
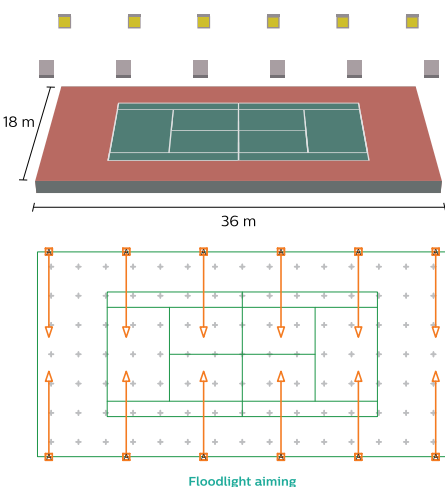
- Functions**
- ZigBee · PWM · DALI · 0/1~10V · Micro-wave



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TC150GE2F-PM	150W	100~277V	20250LM	>80	IP54	538*212/84*171
TC240GE3F-PM	240W	100~277V	32400LM	>80	IP54	838*212/84*171



**Tennis Court Simulation**





# Linear Indoor Padel Court Light

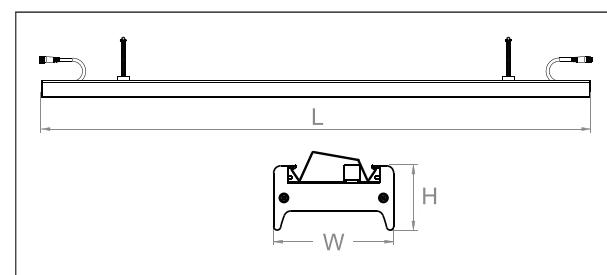


CE RoHS compliant LM 79 LM 80 TM 21



**Features**

- Housing: Pure Aluminum
- Thermal Conductivity: 226 W/m·K
- Led: Philips
- CRI: Ra>70
- SDCM: <6
- Power Factor: >0.95
- THD: <15
- Driver: Sosen
- Driver Efficiency: >93%
- Protection: OTP, OCP, OVP, SCP
- Surge Protection: 6KV
- Waterproof: IP65
- Impact Test: IK08
- Electrical: 100-277V, 50/60Hz
- Operating Temperature: -40~50°C
- TM21: L90B10>50,000H
- Lifetime: 50,000H

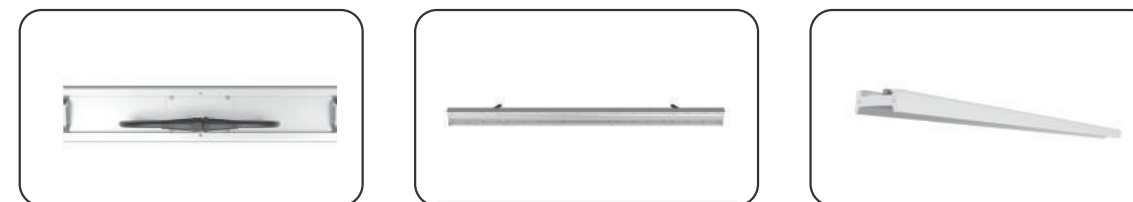


**Functions**  
ZigBee · PWM · DALI · 0/1~10V

**Optical options:**



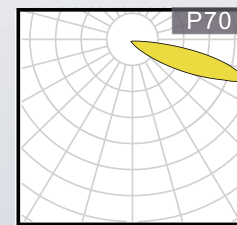
Model	Watt	Voltage	Efficiency	CRI	IP	Dimension
TC100TE5J-PS	100W max	24V	180lm/w max	>70	IP65	1439*85*45.5



**anti-glaring**



Special design is used for our tennis linear light, with a shield in front to minimize the glare and makes the light uniformity distribution, which will help players to give a nice ball back.



Polarized light output from reflecting structure offers best uniformity and lux.



# Linear G3 Tennis Court Light

Anti-glaring



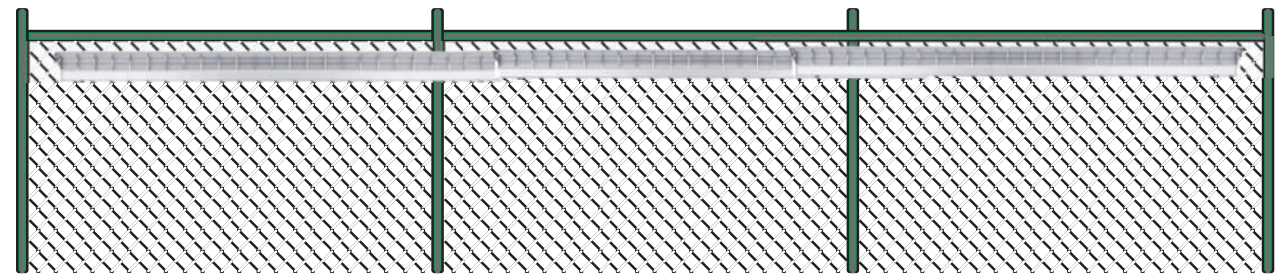
*You think the light is ok  
cause you never had another option*



*Anti-glare, low UGR*

*Unique new for tennis court*

**Easy Installation and maintenance  
More savings on labor cost and material cost**



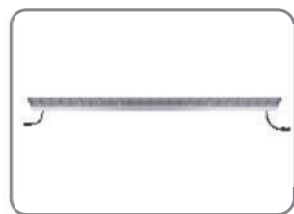
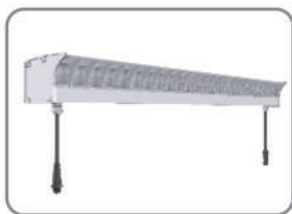
**No need poles**



**No need machine**



**No need engineers**



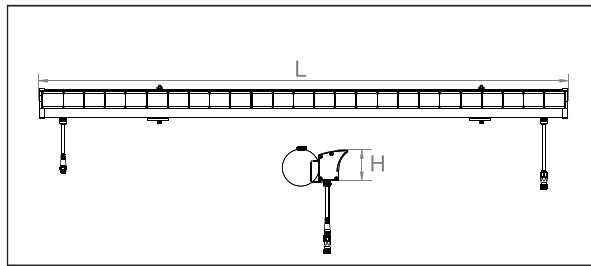




**Europe Version**

**Features**

Housing: Pure Aluminum  
 Thermal Conductivity: 226 W/m·K  
 Led: Philips  
 CRI: Ra>70  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V

**Optical options:**



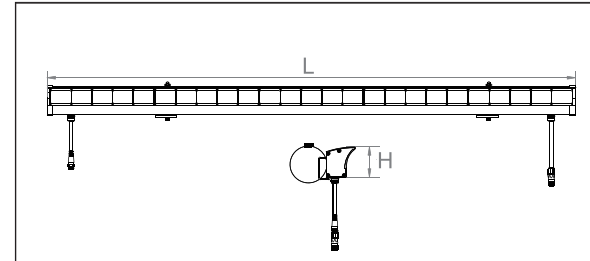
Model	Watt	Voltage	Effi.(lm/w)	CRI	Power factor	IP	IK	Size L*W*H(mm)
TC030TE5J-PO	30W	220~240V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83
TC043TE5J-PO	43W	220~240V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83
TC060TE5J-PO	60W	220~240V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83
TC080TE5J-PO	80W	220~240V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83



**USA Version**

**Features**

Housing: Pure Aluminum  
 Thermal Conductivity: 226 W/m·K  
 Led: Philips  
 CRI: Ra>70  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Lifud  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V

**Optical options:**



Model	Watt	Voltage	Effi.(lm/w)	CRI	Power factor	IP	IK	Size L*W*H(mm)
TC030TU5J-PL	30W	100~277V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83
TC043TU5J-PL	43W	100~277V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83
TC060TU5J-PL	60W	100~277V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83
TC080TU5J-PL	80W	100~277V	150lm/w	>70	>0.95	IP65	IK08	1511*117*83

# Plug and Play Tennis Court Lighting



*Thanks to the specially designed linear asymmetric optics, our tennis court light has advanced advantage in comparison with traditional flood light. The light is more soft and uniformity is highly improved.*

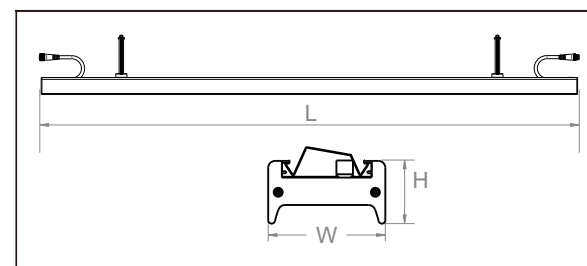


CE RoHS compliant LM 79 LM 80 TM 21



### Features

- Housing: Pure Aluminum
- Thermal Conductivity: 226 W/m·K
- Led: Philips
- CRI: Ra>70
- SDCM: <6
- Power Factor: >0.95
- THD: <15
- Driver: Inventronic
- Driver Efficiency: >93%
- Protection: OTP, OCP, OVP, SCP
- Surge Protection: 10KV
- Waterproof: IP65
- Impact Test: IK08
- Electrical: 100-277V, 50/60Hz
- Operating Temperature: -40~50 °C
- TM21: L90B10>50,000H
- Lifetime: 50,000H



### Functions

ZigBee · PWM · DALI · 0/1~10V · Micro-wave

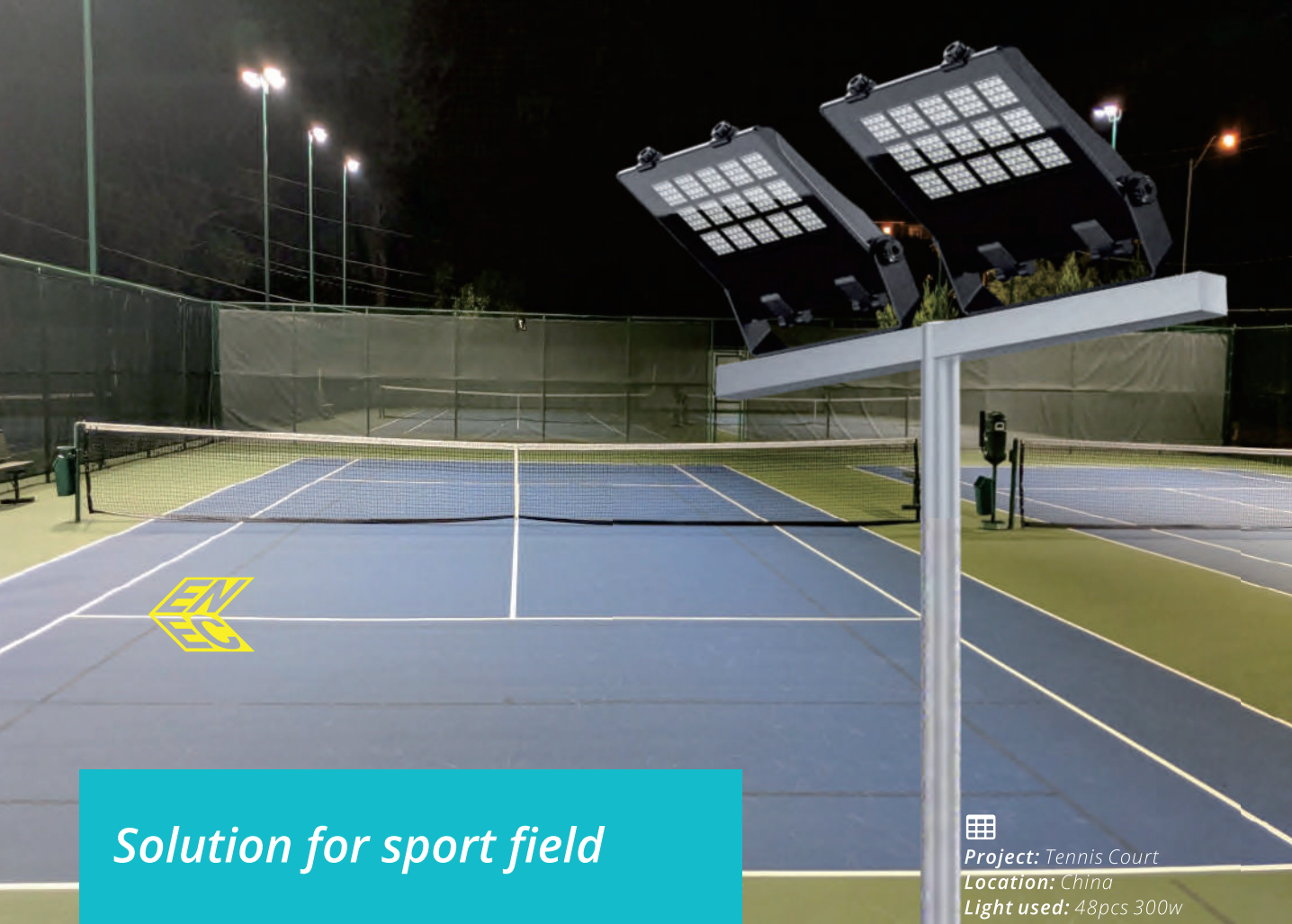
### Optical options:



Model	Watt	Voltage	Efficiency	CRI	IP	Dimension
TC100TE5J-PI	100W max	DC12V	180lm/w max	>70	IP65	1439*85*45.5



# Navigator



## Solution for sport field

Project: Tennis Court  
Location: China  
Light used: 48pcs 300w



**UGR**  
**<21**

Anti-glaring light is required more and more for applications where people doesn't feel comfortable with the glaring light, especially in stadium. Navigator series floodlight is the ideal solution for visual protection.



### Wire Through

With buckle design, the fixture can be opened very easily to rewire inside by terminal. This will make installation much easier and cost saved.



### Tempered Glass

With IK08 protected tempered glass, our flood light has better performance for outdoor usage.



### IK 10

Stainless steel mesh protection is used to reach more than Ik10 against ball hit. It is necessary for application of low height mast.



### PMMA Lens

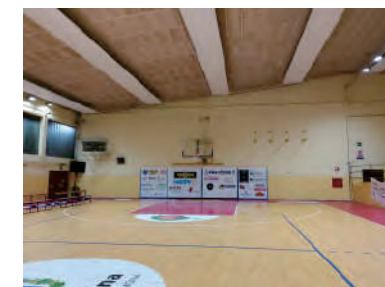
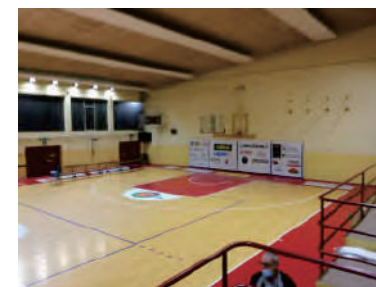
PMMA offers resistance to UV and visible radiations. In comparison with PC lens, PMMA lens can be used outdoor directly to sunshine, and will not turn yellow even after 5 years.

“

To ensure that every match and show can be performed smoothly, and to assist operatives to remain live broadcast, the right lighting solution is indispensable. For appropriate lighting intensities with wide-area, homogeneous illumination, optimum colour rendering and dimmability in every situation and for every activity.



The Optics was specially developed to minimize glare and maximize homogeneity. With an anti-glaring film on the lens and a shield in front, we managed to achieve UGR<21



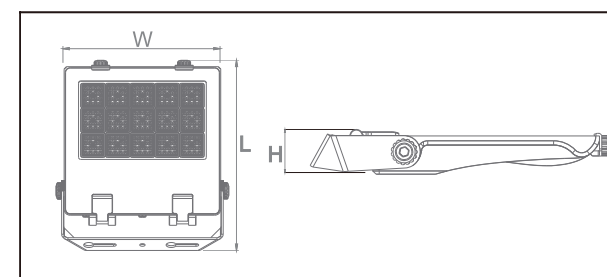
Project: Indoor stadium  
Location: Italy  
Light used: 24pcs



**UGR<21**

**Features**

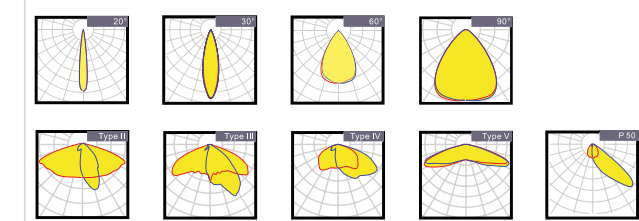
Housing: Die-cast Aluminum ADC12  
 Thermal Conductivity: 96 W/m·K  
 Led: CREE JK3030  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 10KV  
 Waterproof: IP66  
 Impact Test: IK08 & IK10  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V · Micro-wave · PIR

**Optical options:**



**IK10**

Games where objects often fly at certain heights can cause damage to light fixtures with minimal impact protection. The navigator Series LED fixture, certified up to IK10 rating, is engineered with mesh protection design and durable materials, offering higher impact resistance than normal fixtures.

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HM100NE1G-CM	100W	100~277V	14000LM	>70	IP66	L461*W320*H69MM
HM150NE1G-CM	150W	100~277V	21000LM	>70	IP66	L461*W320*H69MM
HM200NE1G-CM	200W	100~277V	28000LM	>70	IP66	L461*W380*H69MM
HM240NE1G-CM	240W	100~277V	33600LM	>70	IP66	L534*W440*H69MM
HM300NE1G-CM	300W	100~277V	42000LM	>70	IP66	L534*W440*H69MM

Note: Type II/Type III/Type IV/Type V/P50 Brightness 120lm/w



Prolux



Lux & Homogeneity

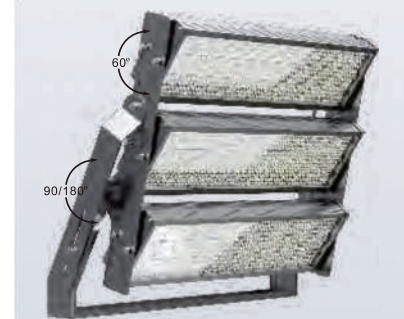
Professional high mast light is required more and more for applications of exterior stadium where not only lux on ground is asked, but also homogeneity, small beam angle, long lifetime and UV resistance are even more important. "PROLUX" is the ideal solution. Our design team works to achieve optimum uniformity and maximum lux levels by using tailored lights, lenses and visor system to provide the correct distribution of light for your courts. It not only increases the performance of players, but also the atmosphere of the match.

Proper lighting on the playing field is essential to make the game enjoyable for athletes and spectators.



Visor

Visor is used to shield upward light so that the glaring and light pollution are much lower.



Bracket Adjustable

Each module is fixed on a rotatable bracket which makes it a 60° rotating range, and the whole fixture is 180° adjustable.

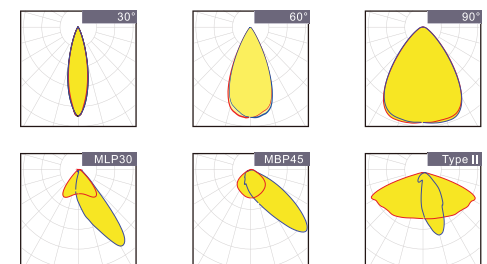


Laser Sight

Quick-installed laser sight is provided to minimize installation time and lower labor cost.

### Optics

Both asymmetric and symmetric optics are provided to optimize the performance of light. Different beam angle is used based on different stadium and different mast height. Dialux simulation can be provided for free within 2 days.





## Easy maintenance

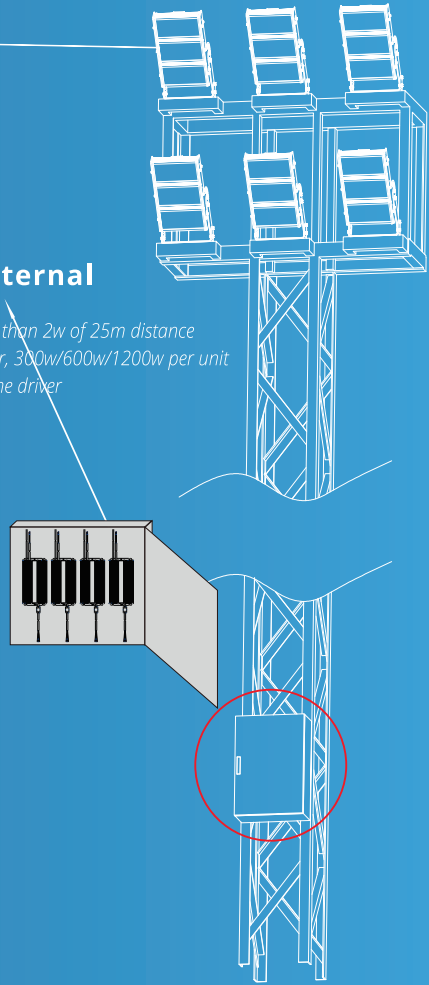
Engineered with external driver design, our Prolux series LED fixture is able to fix drivers in a gear box at ground level. With low weight and size, it offers better possibility of headload capacity and lower wind resistance for high mast. Safe and simple maintenance without climbing could reduce labor cost in long term run..

### TVS protection

With TVS on PCB (Transient Voltage Suppressor) 1500w peak pulse capability with at 0/1000us waveform Protecting LEDs from voltage transient induced by lightning.

### Driver External

Less Weight  
Power decay less than 2w of 25m distance  
High power driver, 300w/600w/1200w per unit  
Easy to replace the driver

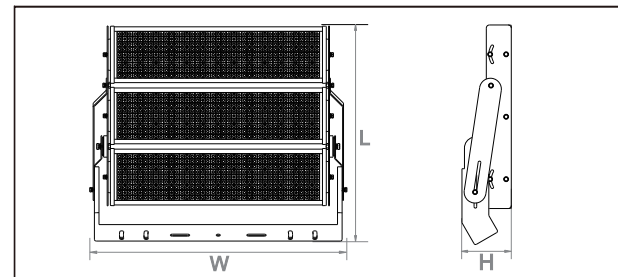


**Project:** Football Stadium  
**Location:** Spain  
**Light used:** 24pcs 900w



### Features

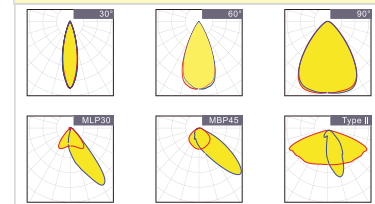
Housing: Pure Aluminum A6063  
Thermal Conductivity: 226 W/m·K  
Led: CREE JK3030&5050  
CRI: Ra>70 ( 80/90 for option)  
SDCM: <6  
Power Factor: >0.95  
THD: <15  
Driver: Inventronic  
Driver Efficiency: >90%  
Protection: OTP, OCP, OVP, SCP  
Surge Protection: 10KV  
Waterproof: IP66  
Impact Test: IK08  
Electrical: 100-277V, 50/60Hz  
Operating Temperature: -40~50°C  
TM21: L90B10>50,000H  
Lifetime: 50,000H



### Functions

ZigBee · PWM · DALI · 0/1~10V · DMX

### Optical options:



Model	Module	Watt	Voltage	Lumen	CRI	IP	Dimension
HM500PE1I-CI	500W Module x1	500W	100~277V	80000LM	>70	IP66	721*315*158
HM600PE1I-CI	600W Module x1	600W	100~277V	96000LM	>70	IP66	721*315*158
HM1K0PE2I-CI	500W Module x2	1000W	220~240V	160000LM	>70	IP66	810*502*158
HM1K2PE2I-CI	600W Module x2	1200W	220~240V	192000LM	>70	IP66	810*502*158
HM1K5PE3I-CI	500W Module x3	1500W	100~277V	240000LM	>70	IP66	810*704*158
HM1K8PE3I-CI	600W Module x3	1800W	100~277V	288000LM	>70	IP66	810*704*158



## HD TV broadcasting

When a local television station is recording the event, lighting plays a key role in the quality of pictures and videos. Our LED fixtures deliver bright levels with high uniformity, allowing cameras to capture vivid colors, crisp images, and fast movements. Unlike traditional lights, our LED fixtures are flicker-free, allowing to capture every single moment of the action with detail, even in slow motion.





### Best Light For Stadium

- Low Glare
- Low back light, low spill light
- Asymmetric optics
- Europe Design Patent



### Won't disturb neighbors when enjoying sport

Special designed optics are designed for different sport field and different standard. They will not only improve the lux and uniformity, but also minimize glare light.

## Better Lighting Solution For Sport Field

Professional high mast light is required more and more for applications of sport field as it influences players' performance and contributes to the proper arbitrage. Spectators should enjoy the match safely and without inconvenience caused by glare effects or an uneven light.

Our optical system has been designed to ensure high power but minimize glare. And visor system is used to avoid back light and spill light.



#### Tempered Glass

With IK08 protected tempered glass, our flood light has better performance for outdoor usage.



#### Rotatable Visor

Asymmetric polarized optics and visor works together to minimize glare, back light, and spill light.



#### Laser Sight

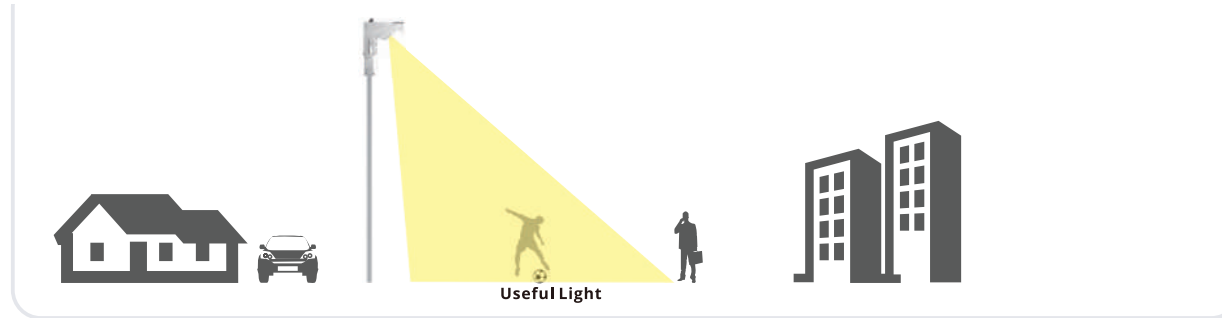
Easily adjust the direction of illumination to achieve maximum lux and uniformity



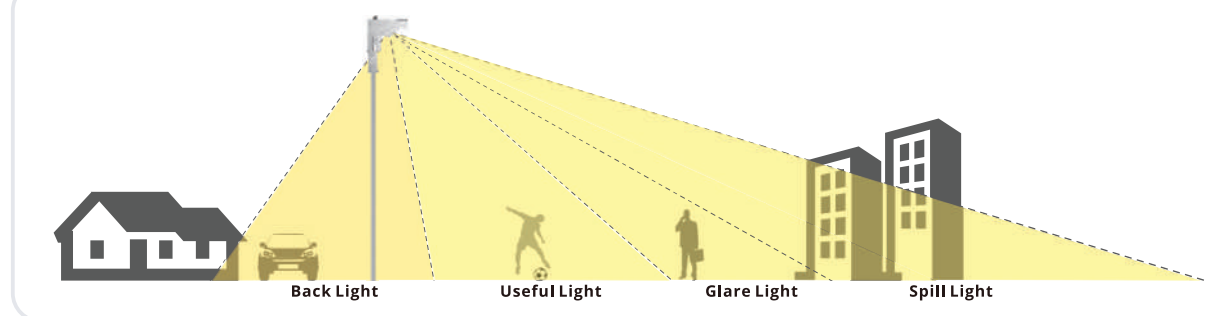
#### Precise Angle Rotation

Bracket can be rotated precisely 5 degrees each scale.

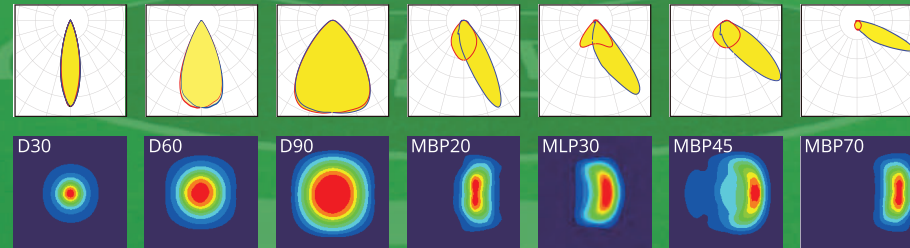
### Sniper Series



### Others



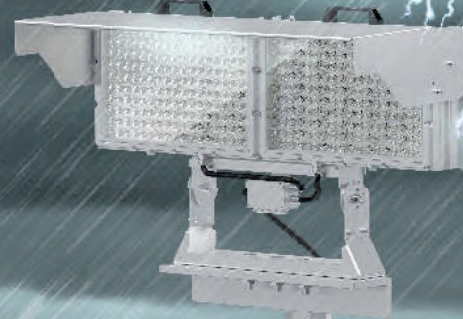
Special designed optics are designed for different sport field and different standard. They will not only improve the lux and uniformity, but also minimize glare light.



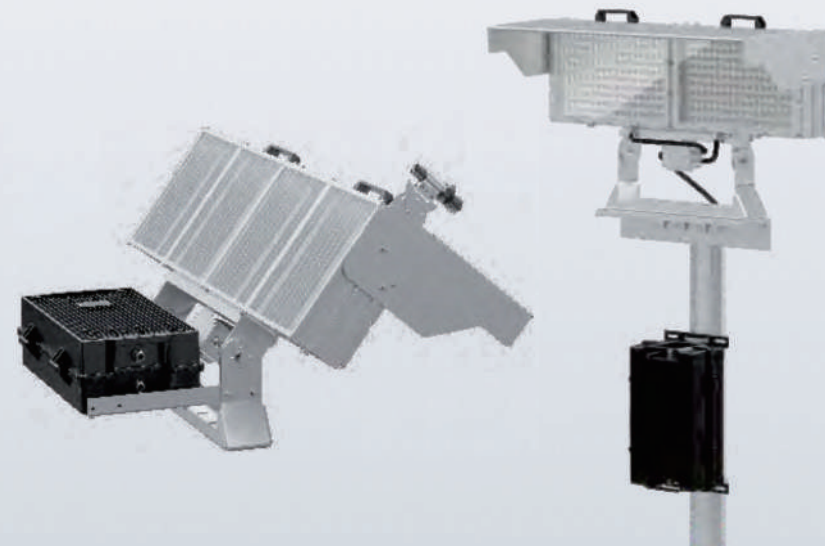
IP66 Waterproof  
10/20kv Surge Protection  
AkzoNobel coating, best corrosion proof

**TVS protection**

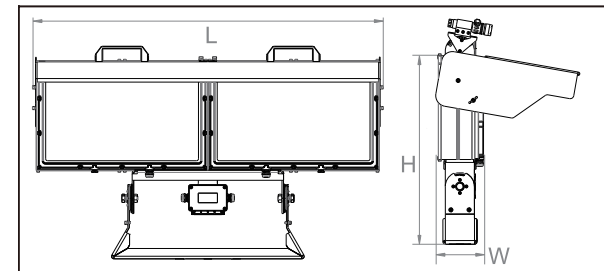
Transient Voltage Suppressor(TVS) with 1500w peak pulse capability at 10/1000us waveform is used to protecting LEDs from voltage transient induced by lightning.



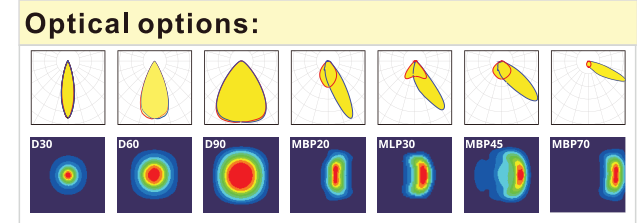
Driver box can be fix on bracket or on pole in order to lower the weight of whole fixture and easy maintenance



Features
Housing: Pure Aluminum A6063
Thermal Conductivity: 226 W/m·K
Led: CREE JK5050
CRI: Ra>70 ( 80/90 for option)
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Inventronic
Driver Efficiency: >90%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 10KV
Waterproof: IP66
Impact Test: IK08
Electrical: 100-277V, 50/60Hz
Operating Temperature: -40~50°C
TM21: L90B10>50,000H
Lifetime: 50,000H

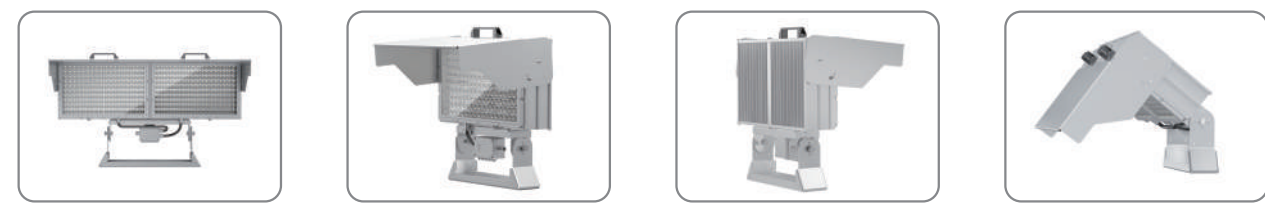


Functions
ZigBee · PWM · DALI · 0/1~10V · DMX



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HM500SE1G-CI	500W	100~277V	80000LM	>70	IP66	470*524*127
HM600SE1G-CI	600W	100~277V	96000LM	>70	IP66	470*524*127
HM1K0SE2G-CI	1000W	220~240V	160000LM	>70	IP66	920*558*127
HM1K2SE2G-CI	1200W	220~240V	192000LM	>70	IP66	920*558*127

Note: Asymmetric optics are 150lm/w

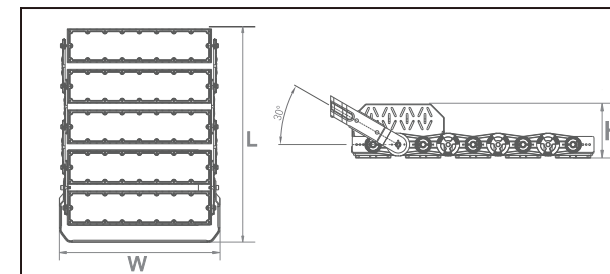




CE RoHS compliant LM79 LM80 TM21

### Features

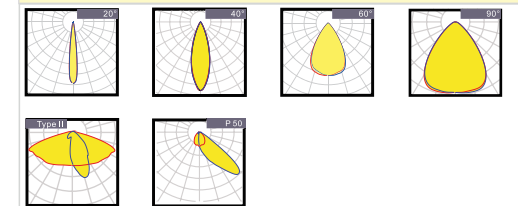
Housing: Pure Aluminum A6063  
 Thermal Conductivity: 226 W/m·K  
 Led: CREE 5050  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



### Functions

ZigBee · PWM · DALI · 0/1~10V · DMX

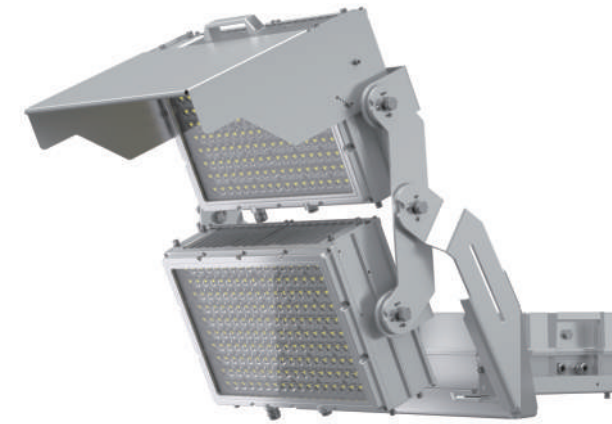
### Optical options:



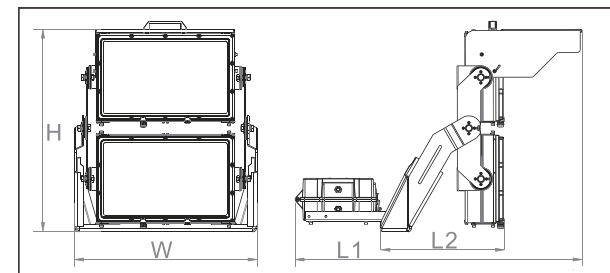
In order to replace traditional lighting fixtures for stadium, but retain the old mast, the weight of the led light must be closer to the traditional fixture, and less wind resistance. Our highlander series high mast light is designed right in this purpose. With finned pure aluminum radiator, the weight is 60% less, but heat dissipation surface increases 40%.

Model	Module	Watt	Voltage	Lumen	CRI	IP	Dimension
HM250HE2H-CM	125W Module x2	250W	100~277V	37500LM	>70	IP65	L332*W350*H160
HM500HE4H-CM	125W Module x4	500W	100~277V	75000LM	>70	IP65	L628*W350*H160
HM750HE3H-CM	250W Module x3	750W	100~277V	112500LM	>70	IP65	L484*W587*H195
HM1K0HE4H-CM	250W Module x4	1000W	100~277V	150000LM	>70	IP65	L632*W587*H195
HM1K2HE5H-CM	250W Module x5	1200W	100~277V	187000LM	>70	IP65	L780*W587*H195
HM1K5HE6H-CM	250W Module x6	1500W	100~277V	225000LM	>70	IP65	L928*W587*H195

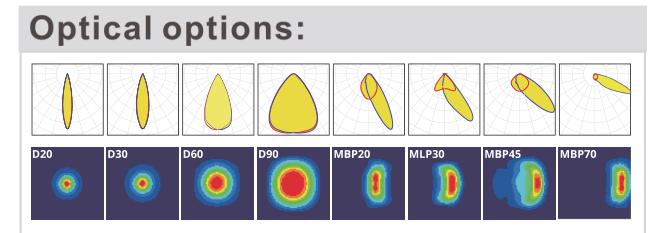




Features
Housing: Pure Aluminum
Thermal Conductivity: 226 W/m·K
Led: Cree 3030&5050
CRI: Ra>70
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Inventronic
Driver Efficiency: >93%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 10KV
Waterproof: IP66
Impact Test: IK08
Electrical: 220-240V, 50/60Hz
Operating Temperature: -40~60°C
TM21: L90B10>50,000H
Lifetime: 50,000H



Functions
ZigBee · DMX · DALI · 0/1~10V



Model	Watt	Voltage	Lumen	CRI	IP	H*W*L1*L2
HM1K2SESG-CI	1200W	100~227V	204000LM	>70	IP66	658*593*933*402MM
HM1K5SESG-CI	1500W	100~227V	240000LM	>70	IP66	658*593*933*402MM
HM1K8SESG-CI	1800W	220~240V	306000LM	>70	IP66	987*593*933*402MM



## Better Lighting Solution For Harbor&Airport Field

Professional high mast light is required more and more for applications of harbor and airport field. The light for harbor will need to be friendly to marine life because it is right on the water. Similarly, airport ramp lighting requires illumination from high vantage points, bathing large areas in artificial light. Ground personnel and pilots must be able to see their environment, without the liability of too much glare or contrasting the liability of low light levels.



# Area Lighting

*Quality Within Your Reach*

# Slim G3

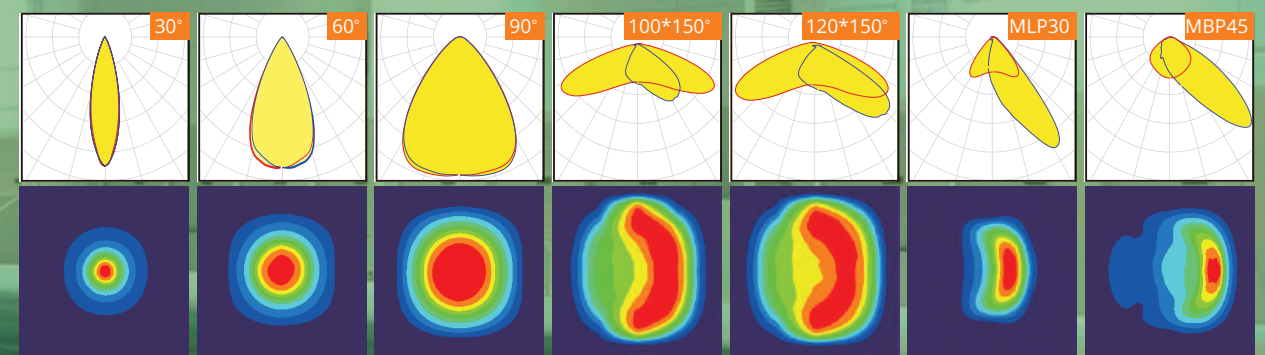


**NEW DESIGN**  
With visor, low spill light  
With metal mesh, IK10  
Asymmetric optics  
High brightness up to 150lm/w



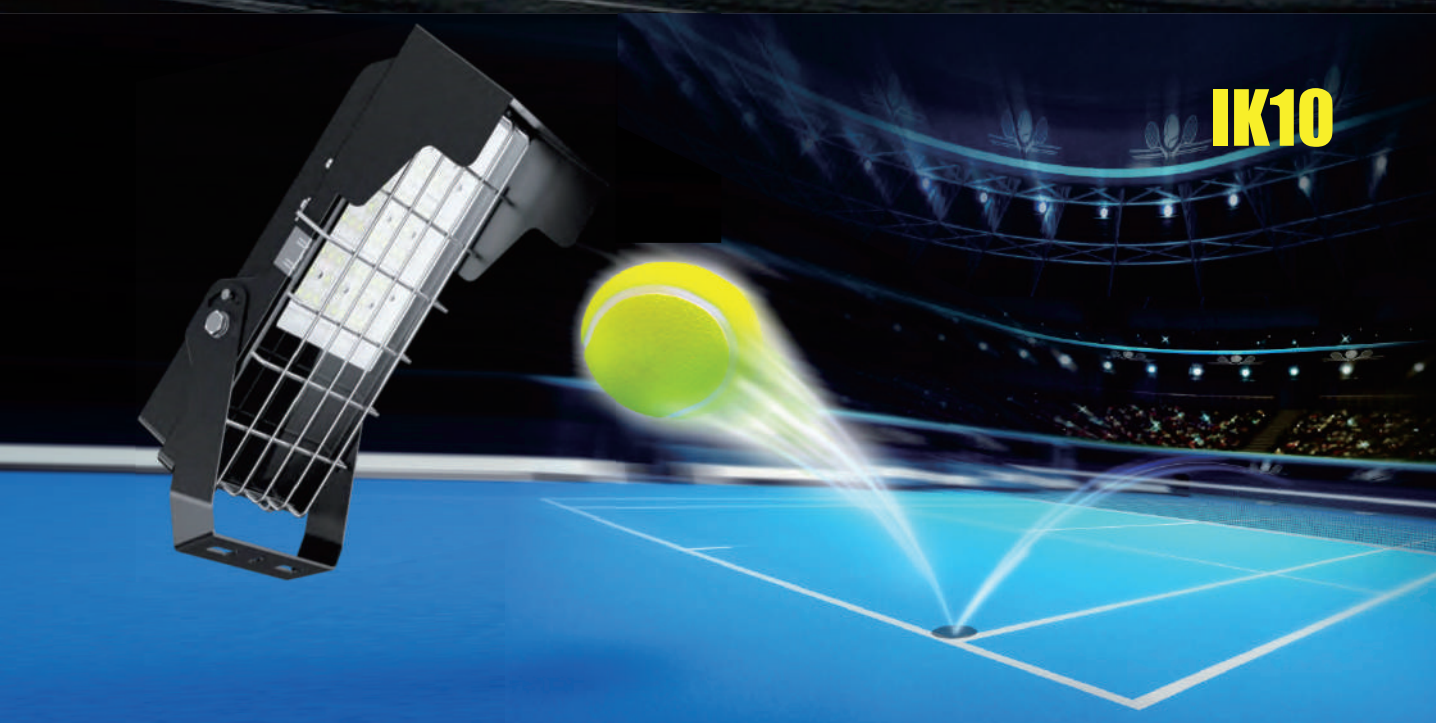
## Optics

Special designed optics are used for different installation height and space. They will not only improve the lux and uniformity, but also minimize glare light.



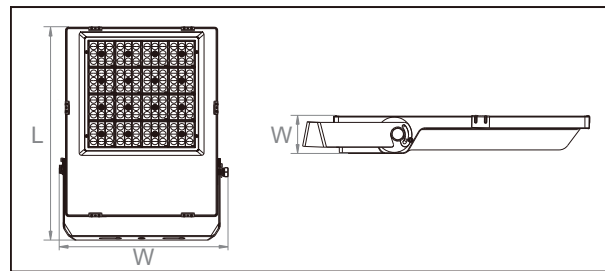
## Better Lighting Solution For Area

Thanks to a robust aluminum housing with safety tempered glass cover, high quality led and driver, our slim G3 LED Floodlight delivers high lumen efficacy up to 150 LPW and long lifetime. Asymmetric optical distribution improves light effect





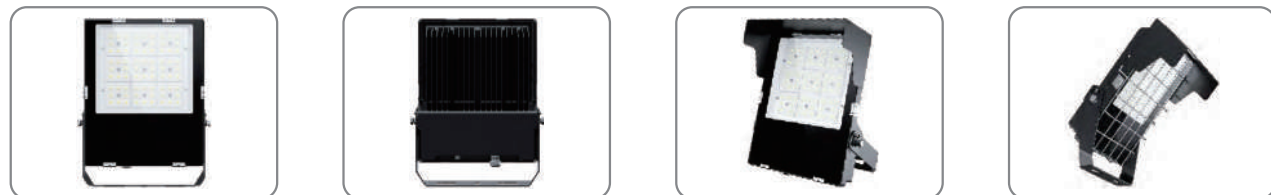
**Features**  
 Housing: Die Cast Aluminum  
 Thermal Conductivity: 96 W/m · K  
 Led: Cree 3030  
 CRI: Ra>70  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP66  
 Impact Test: IK08&IK10  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



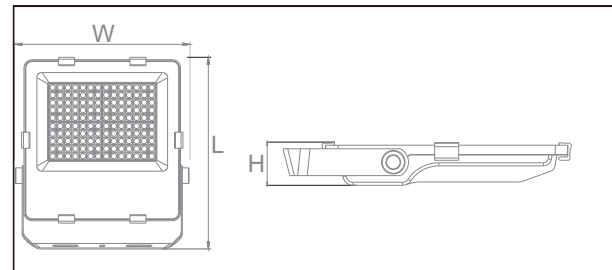
**Functions**  
 DALI · 0/1~10V · Micro-wave · PIR



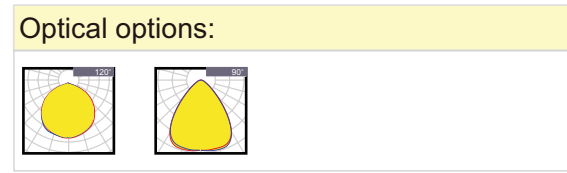
Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HM100SE1H-CM	100W	100~277V	15000LM	>70	IP66	292*246*53
HM150SE1H-CM	150W	100~277V	22500LM	>70	IP66	336*264*53
HM200SE1H-CM	200W	100~277V	30000LM	>70	IP66	407*328*53
HM240SE1H-CM	240W	100~277V	36000LM	>70	IP66	407*328*53
HM300SE1H-CM	300W	100~277V	45000LM	>70	IP66	496*411*65
HM400SE1H-CM	400W	100~277V	60000LM	>70	IP66	496*411*65



**Features**  
 Housing: Die-cast Aluminum ADC12  
 Thermal Conductivity: 96 W/m · K  
 Led: Philips  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Sosen  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP66  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 DALI · 0/1~10V · Micro-wave · PIR



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
FL010RECH-PD	10W	100~277V	1500LM	>70	IP66	L232*W204*H53MM
FL020RECH-PD	20W	100~277V	3000LM	>70	IP66	L232*W204*H53MM
FL030RECH-PD	30W	100~277V	4500LM	>70	IP66	L232*W204*H53MM
FL050RECH-PD	50W	100~277V	7500LM	>70	IP66	L280*W245*H53MM



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
FL100RECH-PS	100W	100~277V	15000LM	>70	IP66	L354*W319*H53MM
FL150RECH-PS	150W	100~277V	22500LM	>70	IP66	L400*W359*H63MM
FL200RECH-PS	200W	100~277V	30000LM	>70	IP66	L430*W389*H63MM





# Street Lighting

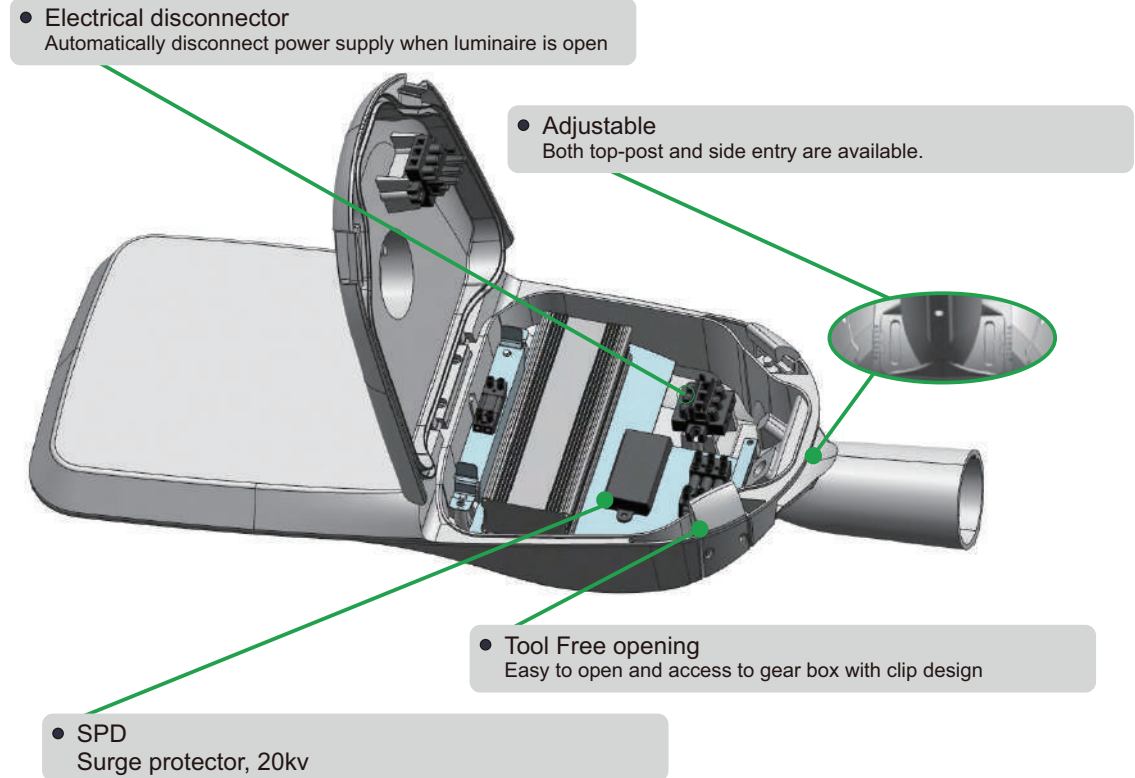
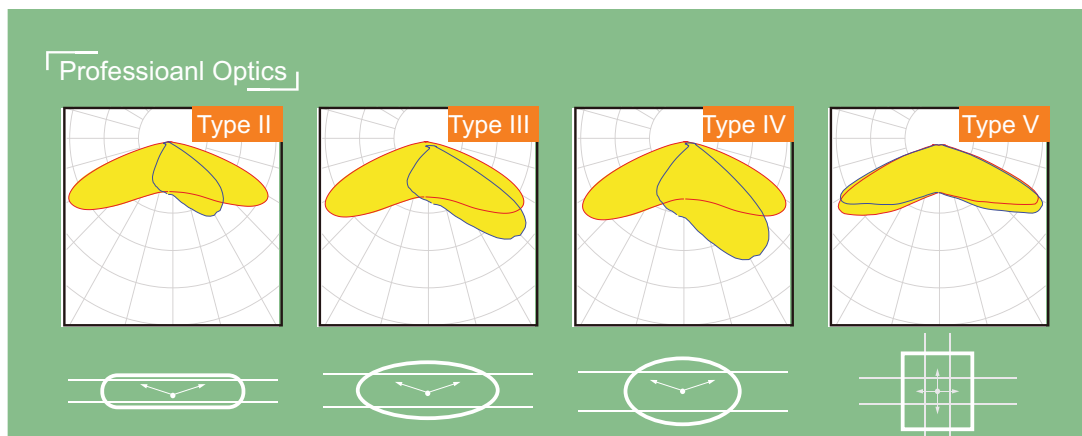
*Quality Within Your Reach*

Brochure





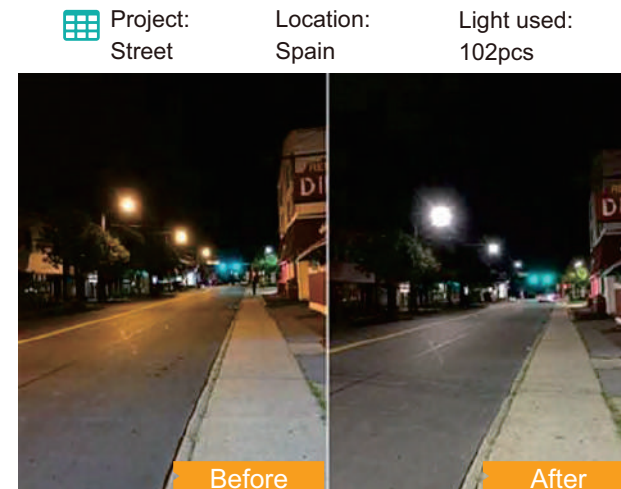
Street lighting is a core piece of urban and rural infrastructure. Lighting helps to create a safe environment for both pedestrians and drivers. Many streetlights around the world are now being updated to LED lighting, which uses less energy and is more reliable than traditional sodium lamps, significantly reducing the cost of keeping streets illuminated.



“

The Poseidon series street light is ideal for the attractive, efficient and economical lighting of roads, paths and plazas with mounting heights from 3 to 12 metres. It is a high-performance, flexible solution for almost all technical outdoor lighting applications. Thanks to the cree led and high quality Inventronic or Meanwell driver, not only life time is longer than 50000hours, but also lumen maintenance is up to L90B10>50,000hours. Tempered glass and PMMA lens are used to offer better UV protection.

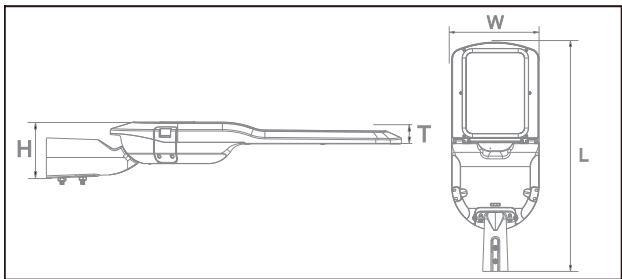
It is specially developed to minimize glare and maximize homogeneity. Reductions in energy consumption, light pollution and better traffic safety always have top priority





**Features**

Housing: Die-cast Aluminum  
 Thermal Conductivity: 96 W/m · K  
 Led: CREE JK3030  
 CRI: Ra>70  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP66  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**

DALI · 0/1~10V · Timing · Program · Auxiliary

**Optical options:**

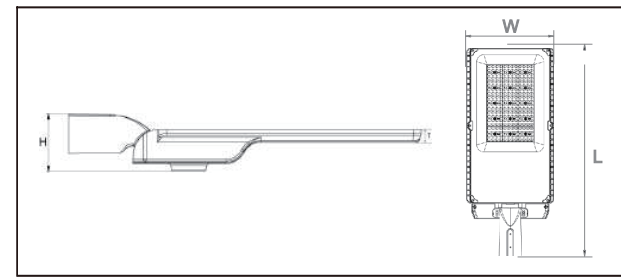


Model	Watt	Voltage	Lumen	CRI	IP	Dimension
ST024PE1G-CM	24W	100~277V	3840LM	>70	IP66	L568*W200*H109mm
ST040PE1G-CM	40W	100~277V	6400LM	>70	IP66	L568*W200*H109mm
ST060PE1G-CM	60W	100~277V	9000LM	>70	IP66	L568*W200*H109mm
ST080PE1G-CM	80W	100~277V	12000LM	>70	IP66	L613*W240*H109mm
ST100PE1G-CM	100W	100~277V	15000LM	>70	IP66	L613*W240*H109mm
ST120PE1G-CM	120W	100~277V	16800LM	>70	IP66	L613*W240*H109mm
ST150PE1G-CM	150W	100~277V	21000LM	>70	IP66	L683*W260*H109mm
ST180PE1G-CM	180W	100~277V	25200LM	>70	IP66	L693*W300*H109mm
ST200PE1G-CM	200W	100~277V	28000LM	>70	IP66	L693*W300*H109mm



**Features**

Housing: Die-cast Aluminum  
 Thermal Conductivity: 96 W/m·K  
 Led: PHILIPS  
 CRI: Ra>70  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell XLG  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP66  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**

DALI · 0/1~10V · Timing · Program · Always-on Auxiliary

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
ST024ME1H-PM	24W	100~277V	3840LM	>70	IP66	L515*W190*H99mm
ST040ME1H-PM	40W	100~277V	6400LM	>70	IP66	L515*W190*H99mm
ST050ME1H-PM	50W	100~277V	7500LM	>70	IP66	L515*W190*H99mm
ST080ME1H-PM	80W	100~277V	12800LM	>70	IP66	L575*W242*H109mm
ST100ME1H-PM	100W	100~277V	15000LM	>70	IP66	L575*W242*H109mm
ST120ME1H-PM	120W	100~277V	18000LM	>70	IP66	L615*W262*H109mm
ST150ME1H-PM	150W	100~277V	22500LM	>70	IP66	L615*W262*H109mm
ST180ME1H-PM	180W	100~277V	27000LM	>70	IP66	L685*W287*H109mm
ST200ME1H-PM	200W	100~277V	30000LM	>70	IP66	L685*W287*H109mm



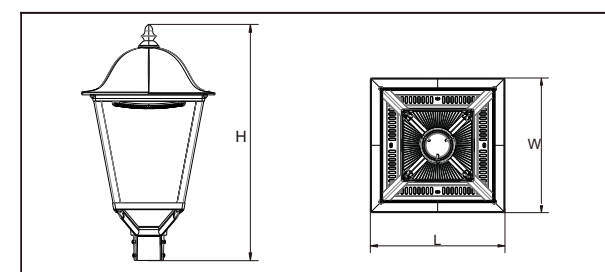
# LED Pole Top Light



CE RoHS compliant LM 79 LM 80 TM 21



Features
Housing: Die-cast Aluminum
Thermal Conductivity: 96 W/m · K
Led: Cree
CRI: Ra>70
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Sosen
Driver Efficiency: >93%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 10KV
Waterproof: IP65
Impact Test: IK08
Electrical: 100-277V, 50/60Hz
Operating Temperature: -40~50°C
TM21: L90B10>50,000H
Lifetime: 50,000H



Functions
PWM · DALI · 0/1~10V

Optical options:



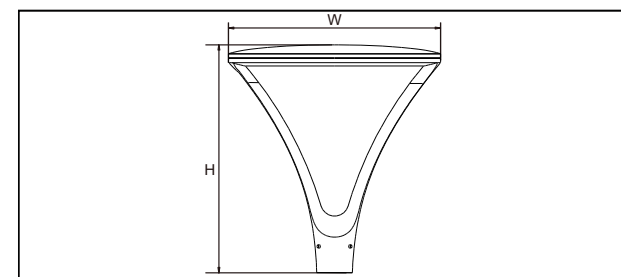
Model	Watt	Voltage	Lumen	CRI	IP	Dimension
LN030AEAH-CS	30W	100~277	4200	>70	IP65	L400*W400*H701MM
LN040AEAH-CS	40W	100~277	5600	>70	IP65	L400*W400*H701MM
LN060AEAG-CS	60W	100~277	8400	>70	IP65	L400*W400*H701MM
LN090AEAG-CS	90W	100~277	12600	>70	IP65	L400*W400*H701MM



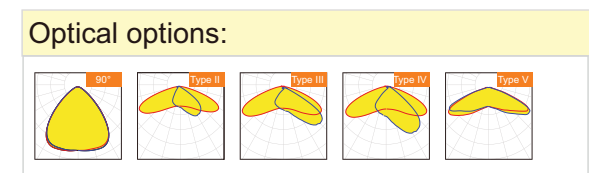
CE RoHS compliant LM 79 LM 80 TM 21



Features
Housing: Die-cast Aluminum
Thermal Conductivity: 96 W/m · K
Led: Philips
CRI: Ra>70 ( 80/90 for option)
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Meanwell
Driver Efficiency: >93%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 6KV
Waterproof: IP65
Impact Test: IK08
Electrical: 100-277V, 50/60Hz
Operating Temperature: -40~50°C
Tm21: L90B10>50,000H
Lifetime: 50,000H



Functions
ZigBee · PWM · DALI · 0/1~10V



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
LN030HE1G-CM	30W	100~277V	4200LM	>70	IP65	L452*W452*H512MM
LN040HE1G-CM	40W	100~277V	5600LM	>70	IP65	L452*W452*H512MM
LN060HE1G-CM	60W	100~277V	8400LM	>70	IP65	L452*W452*H512MM
LN090HE1G-CM	90W	100~277V	12600LM	>70	IP65	L452*W452*H512MM

CE RoHS compliant LM 79 LM 80 TM 21

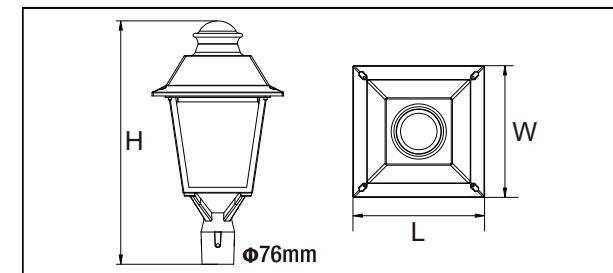


Small Housing

- Features**
- Housing: Die-cast Aluminum
  - Thermal Conductivity: 96 W/m · K
  - Led: CREE JK 3030
  - CRI: Ra>70 ( 80/90 for option)
  - SDCM: <6
  - Power Factor: >0.95
  - THD: <15
  - Driver: Sosen
  - Driver Efficiency: >93%
  - Protection: OTP, OCP, OVP, SCP
  - Surge Protection: 10KV
  - Waterproof: IP65
  - Impact Test: IK08
  - Electrical: 100-277V, 50/60Hz
  - Operating Temperature: -40~50 °C
  - Tm21: L90B10>50,000H
  - Lifetime: 50,000H



- AC100-277V
- 40~+50 °C
- IP65
- IK08
- 10KV Surge Protection
- RG 0/1
- 50,000H
- Emergency
- Dimmable
- +90% Efficient
- INSTANT FULLLIGHT
- 100% WARRANTY



- Functions**
- ZigBee · PWM · DALI · 0/1~10V · Micro-wave

- Optical options:**
- 60° beam spread
  - 50° beam spread
  - Type III beam spread

- 150lm/w
- 5 YEARS WARRANTY
- Sosen Driver
- CREE LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
LN030AE1H-CS	30W	100~277V	4500LM	>70(80)	IP65	L300*W300*H637MM
LN040AE1H-CS	40W	100~277V	6000LM	>70(80)	IP65	L300*W300*H637MM
LN060AE1G-CS	60W	100~277V	8400LM	>70(80)	IP65	L300*W300*H637MM

# LED GARDEN LIGHT

- 150lm/w
- 5 YEARS WARRANTY
- Sosen Driver
- CREE LED



# High Bay Lighting

*Quality Within Your Reach*



CE RoHS compliant LM 79 LM 80 TM 21



Patent



Features
Housing: Pure Aluminum A6063
Thermal Conductivity: 226 W/m·K
Led: Cree
CRI: Ra>70 ( 80/90 for option)
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Sosen
Driver Efficiency: >93%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 10KV
Waterproof: IP54
Impact Test: IK08
Electrical: 100-277V, 50/60Hz
Operating Temperature: -40~60°C
Tm21: L90B10>50,000H
Lifetime: 50,000H

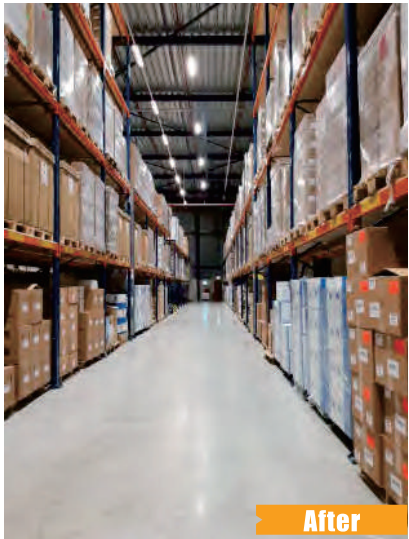
## Born for Warehouse

The Galaxy series linear high bay delivers best-in-class efficiency (170LPW), durability and versatility, resulting in significant energy savings . It comes standard with suspension cables, making it an easy upgrade from suspended fluorescent fixtures, but can also be pendant or surface mounted.

Special lens and PCB design are used for our Galaxy Linear high bay light Those make the light perfect straight line which provides good appearance and lower glaring light distribution. It is designed specially for warehouse. The rectangle shape light distribution saves 50% energy in comparison with standard highbay light which 50% of the light was wasted on the top of shelves.



Before

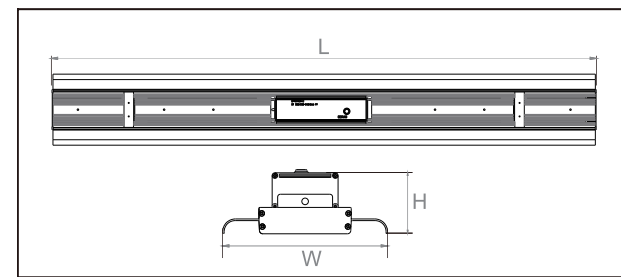


After

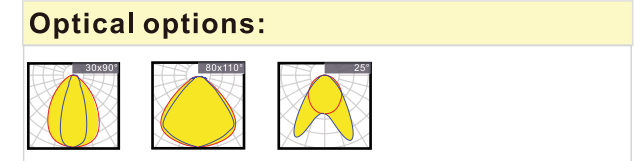
**Project:** Warehouse  
**Location:** Spain  
**Light used:** 225pcs Galaxy 150w



- AC100-277V
- 40~+60
- IP54
- IK08
- 10KV Surge Protection
- RG 0/1
- 50,000H
- Dimmable
- Emergency
- +90% Efficient
- INSTANT FULLLIGHT
- 100% WARRANTY



Functions
ZigBee · PWM · DALI · 0/1~10V · Micro-wave · PIR



- 170 lm/w
- 5 YEARS WARRANTY
- Sosen Driver
- Cree LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB100GE1J-CS	100W	100~277V	17000LM	>70 (80)	IP54	L577*W150*H55.2MM
HB150GE1J-CS	150W	100~277V	25500LM	>70 (80)	IP54	L862*W150*H55.2MM
HB200GE1J-CS	200W	100~277V	34000LM	>70 (80)	IP54	L1148*W150*H55.2MM



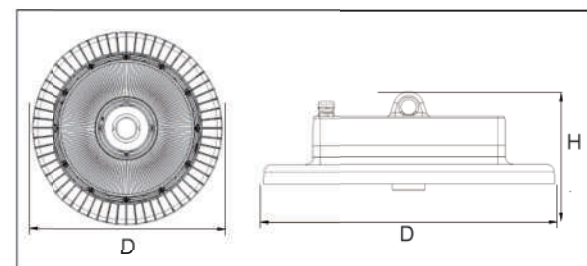
# ASTRONAUT SERIES

## LED UFO HIGH BAY

CE RoHS compliant LM79 LM80 TM21

### Features

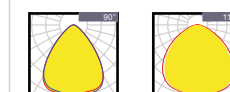
Housing: Die-cast  
 Thermal Conductivity: 96 W/m · K  
 Led: Philips  
 CRI: Ra>80 ( 90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Sosen  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~60 °C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



### Functions

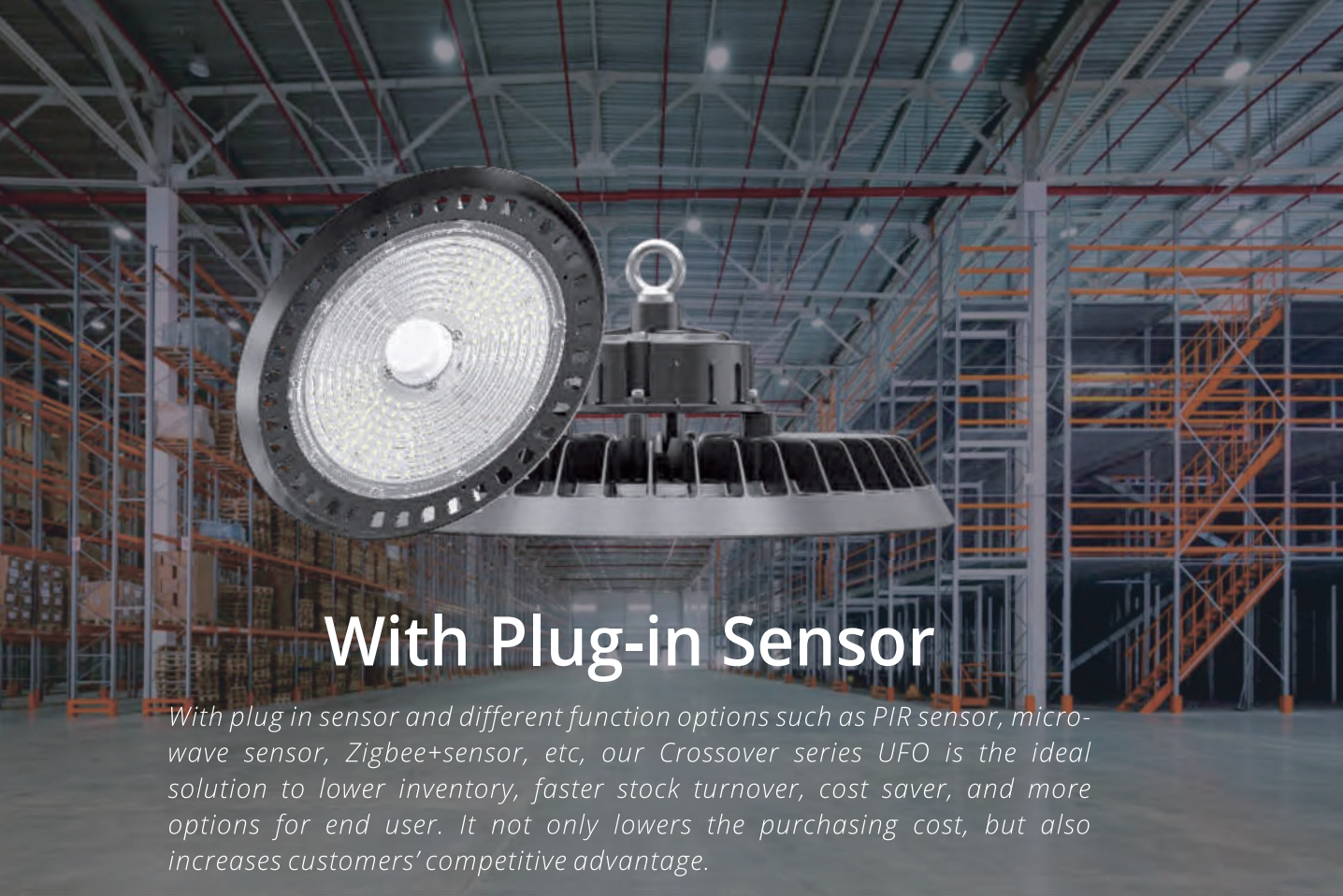
ZigBee · PWM · 0/1~10V · Micro-wave

### Optical options:



160 lm/w 5 YEARS WARRANTY Sosen Driver Philips LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB100AE4I-PY	100W	100~277V	16000LM	>80	IP65	D380*H130mm
HB150AE4I-PY	150W	100~277V	24000LM	>80	IP65	D380*H130mm
HB200AE4I-PY	200W	100~277V	32000LM	>80	IP65	D380*H130mm
HB240AE4I-PY	240W	100~277V	38400LM	>80	IP65	D380*H130mm



# With Plug-in Sensor

With plug in sensor and different function options such as PIR sensor, micro-wave sensor, Zigbee+sensor, etc, our Crossover series UFO is the ideal solution to lower inventory, faster stock turnover, cost saver, and more options for end user. It not only lowers the purchasing cost, but also increases customers' competitive advantage.

## Sensor Options

- Zigbee Micro-wave Sensor
- Zigbee PIR Sensor
- Zigbee Daylight Sensor
- Zigbee Micro-wave + Daylight
- Zigbee PIR + Daylight
- Micro-wave & Daylight
- PIR & Daylight
- Daylight Sensor

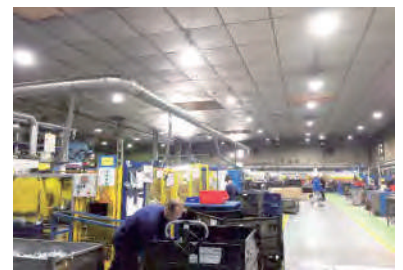


### Easy = Money saving

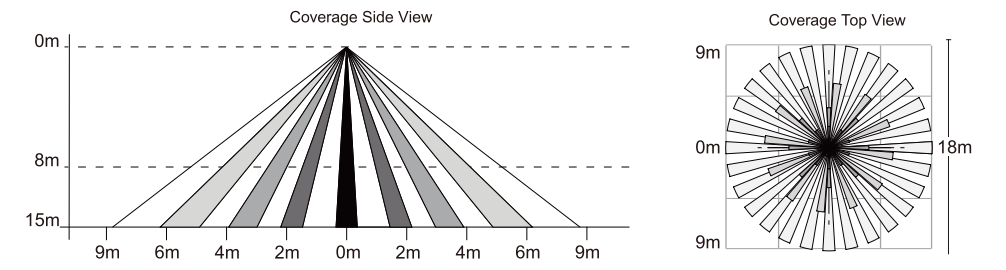
To compare with the sensor highbay and Zigbee control in the market, our light is more easy to use, more flexible, and easy installation. This not only lowers the label cost, but also makes marketing more easier and provides more options for end users.



**Project:** HEINEKEN  
**Location:** Ireland  
**Light used:** 220pcs 150w



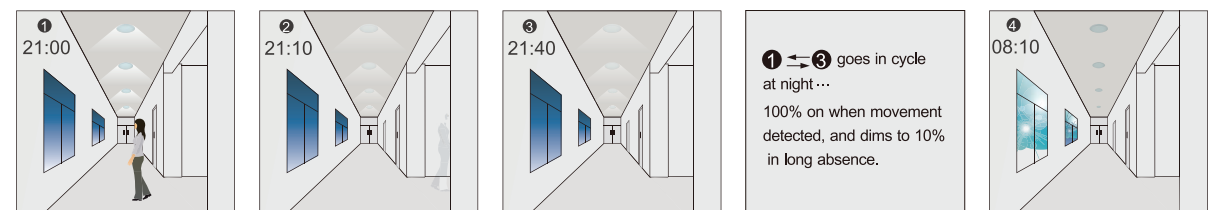
## Coverage



### Demonstration:

- Target-time: 10min
- Setpoint on:50lux
- Setpoint off:300lux
- Waiting Level:50%
- Waiting Time: 30mins
- Background Level: 10%
- Background Time: +∞

- Target time** Refers to the time period the lamp remains at 100% illumination after no motion detected.
- Waiting Time** Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.
- Waiting Level** The low light level you would like to have after the hold time in the long absence of people



The light switches on at 100% when there is movement detected. The light dims to 50% waiting level after the hold-time. The light remains in 10% low dimming level at night. When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.

**NOTE: Factory Default Setting:**  
 Detection range: 100%  
 Target Level time: 10mins  
 Daylight sensor: off  
 Waiting level: 50%  
 Waiting level time : 30mins  
 Background level: 0%

## More Energy Saving

More energy saving lighting products are strongly required day by day. Customers pay more attention to the cost saving in the long term run. Not only higher brightness is a key, but also smart control will save more energy automatically. Our Plug-in sensor UFO is the ideal solution to meet customers' need. 200lm/w brightness will save half energy than other competitors, and also the plug-in sensor option will save 40%-60% energy.



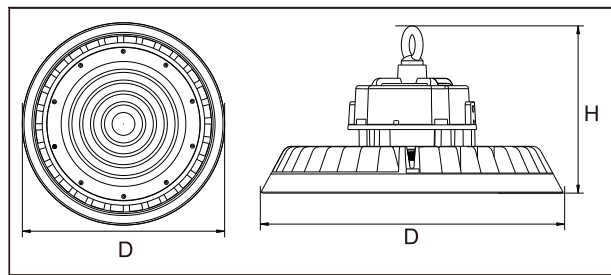
### Crossover series VS OTHERS

Comparison	Ours	Others
Power	120w	200w
Brightness	24000lm	24000lm
Consumption per month (6H/D, 20D/M)	14.4 kwh	24 kwh
Constant illuminance saving (day light and micro-wave sensor)	40%-60%	non
Device used	100pcs	100pcs



**Features**

Housing: Die-cast  
 Thermal Conductivity: 96 W/m·K  
 Led: Philips  
 CRI: Ra>80 ( 90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Moso  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~60°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 ZigBee · PWM · 0/1~10V · Micro-wave

**Optical options:**

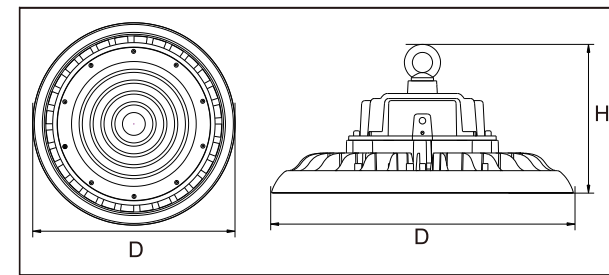


Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB100CE0H-PNS	100W	100~277V	15000LM	>80	IP65	D254*H150
HB120CE2H-PNS	120W	100~277V	18000LM	>80	IP65	D309*H156
HB150CE2H-PNS	150W	100~277V	22500LM	>80	IP65	D309*H156
HB200CE4H-PNS	200W	100~277V	30000LM	>80	IP65	D354*H161



**Features**

Housing: Die-cast  
 Thermal Conductivity: 96 W/m·K  
 Led: Philips  
 CRI: Ra>80 ( 90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Sosen  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~60°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 ZigBee · PWM · 0/1~10V · Micro-wave

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB100CE0F-PS	100W	100~277V	13000LM	>80 (90)	IP65	D258*H139MM
HB150CE2F-PS	150W	100~277V	19500LM	>80 (90)	IP65	D299*H139MM
HB200CE4F-PS	200W	100~277V	26000LM	>80 (90)	IP65	D347*H142MM





### Features

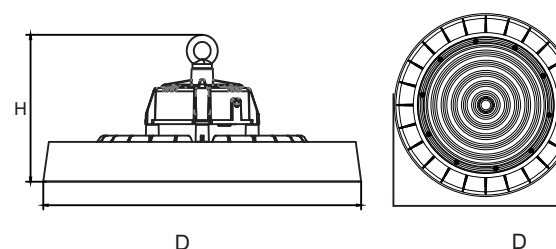
Housing: Die-cast  
 Thermal Conductivity: 96 W/m·K  
 Led: Philips  
 CRI: Ra>80 ( 90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Philips  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -40~60°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



### Functions

ZigBee · PWM · 0/1~10V · Micro-wave

### Optical options:



# 160 LM/W

The Philips driver and Philips LEDs are used for Winsome series UFO highbay light. With strict quality control, 5 years warranty is offered and lumen maintenance after 5 years will be more than 90%.

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
HB100WE01-PP	100W	220~240V	16000LM	>80	IP65	D248*H158MM
HB150WE21-PP	150W	220~240V	24000LM	>80	IP65	D308*H168MM
HB200WE41-PP	200W	220~240V	32000LM	>80	IP65	D360*H174MM
HB240WE41-PP	240W	220~240V	38400LM	>80	IP65	D360*H174MM





# Waterproof Linear Light

Quality Within Your Reach

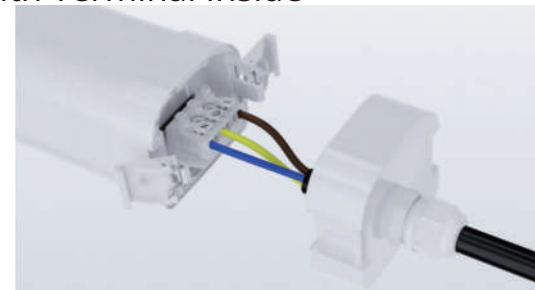


Project: Workshop  
Location: Ireland  
Light used: 1240pcs Fixtures

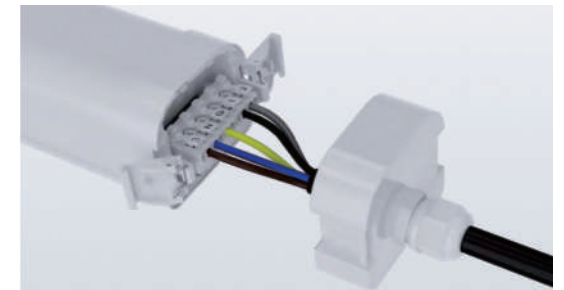


“ In order to help our customer to lower labor cost during installation, our Lock&Lock series tri-proof light’ s end-cap is designed specially. With buckles on each end, it can be open very easily so that customers can rewire inside the housing. And 3XL, 3x1.5mm2, 3x2.5mm2, 5x1.5mm2 and 5x2.5mm2 wire through are all for option to be linkable in series.

### With Terminal Inside



3-core Terminal



5-core Terminal

### With DIP Switch



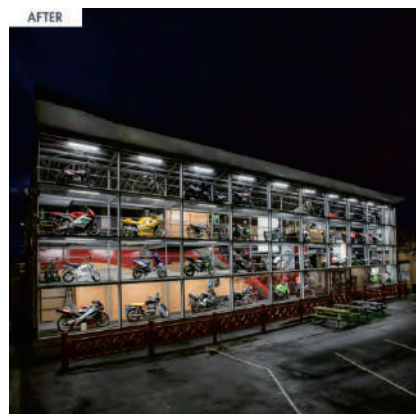
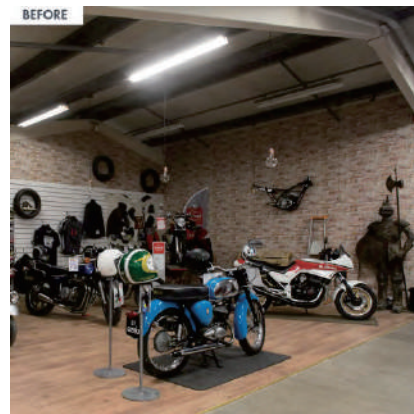
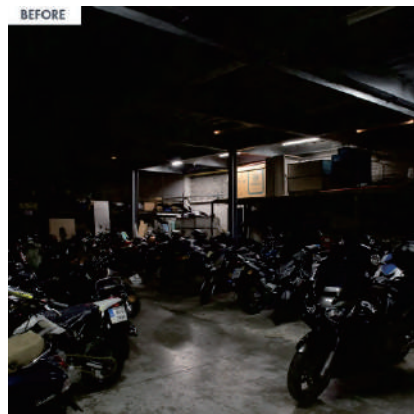
Power Adjustable  
30W 40W 50W 60W

Power Adjustable



CCT Adjustable  
3000K 4500K 6000K

CCT Adjustable



Bikeworld is a leading supplier of Kawasaki motorbikes. Using our Light as a Service, Bikeworld was retrofitted with almost 400 fixtures including the public showroom, storage areas, back of house and the offices. Light quality has been drastically improved and energy consumption has plummeted. The bikes and gear are now under lighting which highlights their quality.

Project:  
Bikeworld  
Location:  
Ireland  
Light used:  
400pcs fixtures

### PG connector



One Connector

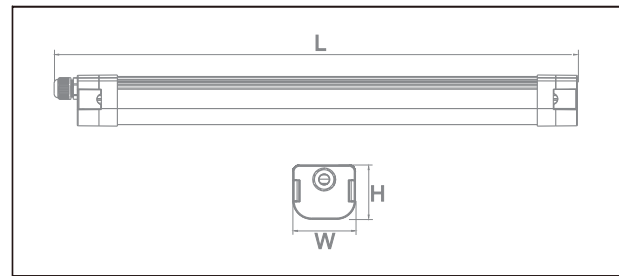


Two Connectors



**Features**

Housing: Plastic With Aluminum Inside  
 Thermal Conductivity: 226 W/m · K  
 Led: Bridgelux  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Philips  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 2KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~40°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TP015LE2F-BP	15W	220~240V	2100LM	>80	IP65	L659*W74*H64MM
TP030LE4F-BP	30W	220~240V	4200LM	>80	IP65	L1221*W74*H64MM
TP045LE5F-BP	45W	220~240V	6300LM	>80	IP65	L1502*W74*H64MM



**DIP SWITCH**

ON

1 2

**Power Adjustable**

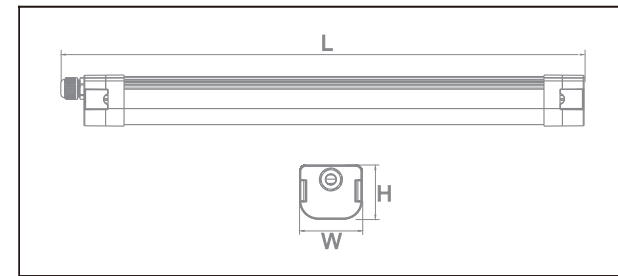
30W 40W 50W 60W

**CCT Adjustable**

3000K 4500K 6000K

**Features**

Housing: Plastic With Aluminum Inside  
 Thermal Conductivity: 226 W/m · K  
 Led: Bridgelux  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 2KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~40°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TP020LE2F-BO	20W	220~240V	2800LM	>80	IP65	L659*W74*H64MM
TP040LE4F-BO	40W	220~240V	5600LM	>80	IP65	L1221*W74*H64MM
TP060LE5F-BO	60W	220~240V	8400LM	>80	IP65	L1502*W74*H64MM



“ Triumph series Corrosion Protection ip69k led Tri proof light is one of our most popular products because of its high quality and superior performance. Not only does it offer an extensive application range from commercial to industrial for any retrofit or new installation, but it is also a genuine champion for being energy-efficient and cost-effective.

”



**IP69K**

IP69K is the highest level of this protection and is designed for applications where water jets are under high pressure and high temperature are used for specific wash-downs.



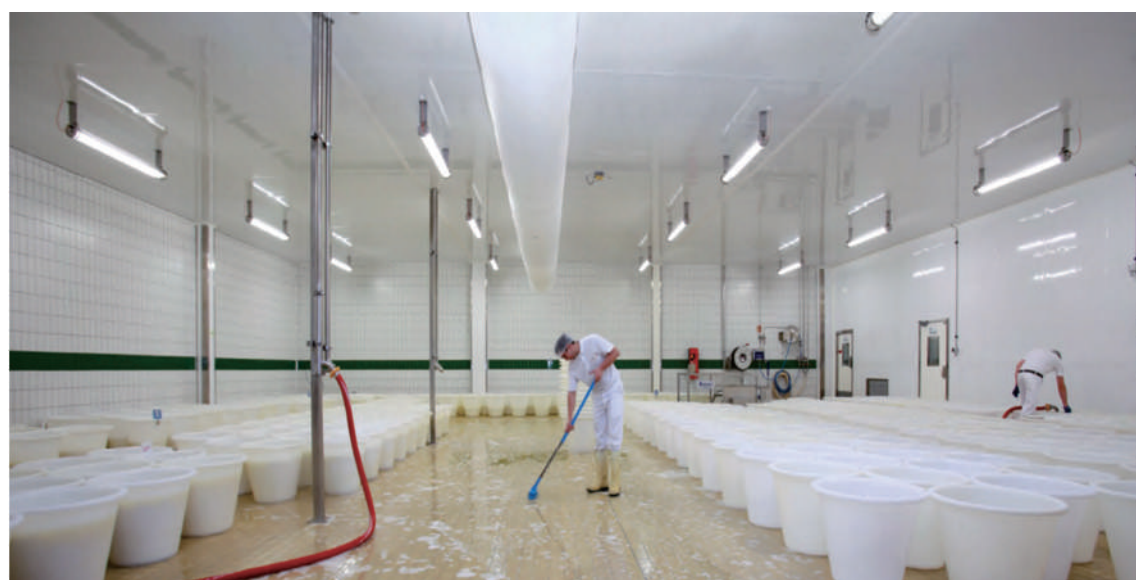
**PMMA**  
Housing

Due to the risk of corrosion by contact with the alkaline environments created in the humid atmosphere, PMMA material housing and stainless steel end cap are used to provide better corrosion proof, waterproof, and lifetime. This will also include special sensitization and chemical cleaning. In some instances, the cleaning process involves very intensive requirements for industries such as Food & Beverage as well as the vehicle industry.

“ To give an indication of the strict tests that the IP69K Tri-Proof product will go through we have listed what is required to enable the certification to be awarded. The IP69K Tri-Proof light is fixed to a turntable that must rotate fully 5 times every minute. The LED Light fitting is then subjected to a high-pressure jet of water (1160 ~ 1450 Psi) with a minimum temperature of 80 °C at a flow rate of 14-16 Litres per minute. The water jet must be between 100 and 150mm away from the Tri-Proof light and tested at angles varying from 0°, 30°, 60° and 90° for 30 seconds each time. Once this test has been completed the Tri-Proof light is then inspected for any water ingress. Only if there is no penetration of the water is this deemed to have passed and awarded its certification.

**Corrosion**  
Proof

Light is an important aspect of any animal's environment. Studies have shown an increase in growth and reproductive performance due to light exposure. Modern farm lighting systems should attempt to mimic the sun's spectrum, however many poultry producers still utilize old residential and commercial incandescent lamps in their barns. The problem with this is that incandescent bulbs don't do a good job of replicating sunlight. LEDs are the most efficient and environmentally friendly of the agricultural lighting options, producing a continuous white light spectrum unlike any other artificial light source by combining a blue LED with red and green phosphors.

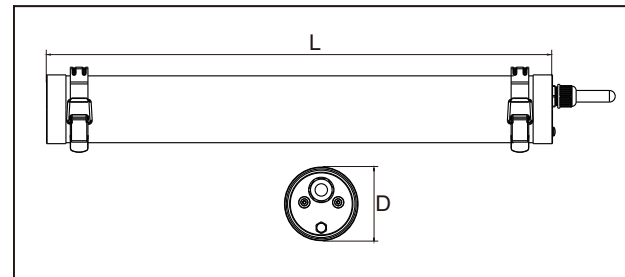


Project:  
Food Industry  
Location:  
Serbia  
Light used:  
120pcs fixture



**Features**

Housing: PMMA  
 Thermal Conductivity: 226 W/m · K  
 Led: Bridgelux  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.90  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 2KV  
 Waterproof: IP69K  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~45C°  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**

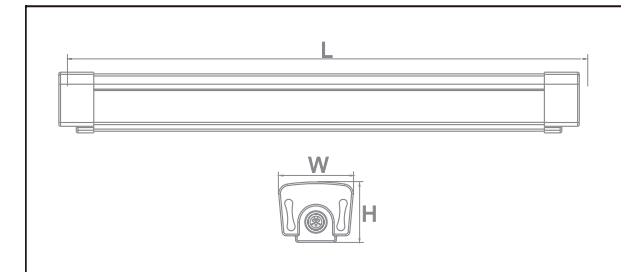


Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TP020TE2H-BO	20W	220~240V	3000LM	>80	IP69K	L600*D81MM
TP040TE4H-BO	40W	220~240V	6000LM	>80	IP69K	L1200*D81MM
TP060TE5H-BO	60W	220~240V	9000LM	>80	IP69K	L1500*D81MM



**Features**

Housing: Pure Aluminum A6063  
 Thermal Conductivity: 226 W/m · K  
 Led: Bridgelux  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Lifud  
 Driver Efficiency: >92%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 2KV  
 Waterproof: IP65  
 Impact Test: IK10  
 Corrosion Proof: Hard Anodic Oxide Coating  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~40°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TP020HE2F-BL	20W	220~240V	2600LM	>80	IP65	L600*W90*H74MM
TP040HE4F-BL	40W	220~240V	5200LM	>80	IP65	L1200*W90*H74MM
TP060HE4F-BL	60W	220~240V	7800LM	>80	IP65	L1200*W90*H74MM
TP060HE5F-BL	60W	220~240V	7800LM	>80	IP65	L1500*W90*H74MM
TP080HE5F-BL	80W	220~240V	10400LM	>80	IP65	L1500*W90*H74MM



CE RoHS compliant LM 79 LM 80 TM 21

**Features**

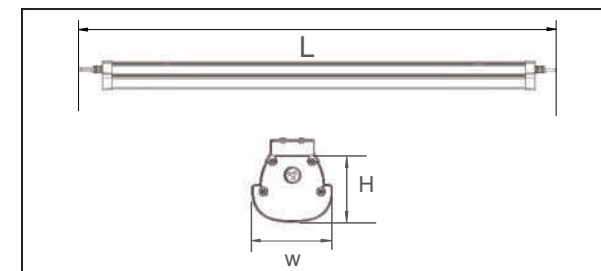
Housing: Aluminum  
 Thermal Conductivity: 226 W/m<sub>1</sub> □K  
 Led: Bridgelux  
 CRI: Ra>80 ( 90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Osram / Sosen  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP66  
 Impact Test: IK10  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~40°C  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee · PWM · 0/1~10V · Micro-wave

**Optical options:**



# LED TRIPROOF LIGHT

## QUATTRO SERIES

With 120mm width big size aluminum housing, Quattro series triproof light gets high power max 150w and perfect thermal conductivity. Quick plug-in waterproof wire connector design helps customer saves 30% installation labor cost. 3x1.5mm<sup>2</sup>, 3x2.5mm<sup>2</sup>, 5x1.5mm<sup>2</sup> and 5x2.5mm<sup>2</sup> wire through are all for option to be linkable in series.

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TP030QE2H-BO	30W	220~240V	4800LM	>80	IP66	600*122*102mm
TP040QE4H-BO	40W	220~240V	6400LM	>80	IP66	1200*122*102mm
TP060QE4H-BO	60W	220~240V	9600LM	>80	IP66	1200*122*102mm
TP080QE4H-BO	80W	220~240V	12800LM	>80	IP66	1200*122*102mm
TP080QE5H-BO	80W	220~240V	12800LM	>80	IP66	1500*122*102mm
TP120QE4H-BS	120W	100~277V	19200LM	>80	IP66	1200*122*102mm
TP120QE5H-BS	120W	100~277V	19200LM	>80	IP66	1500*122*102mm
TP150QE5H-BS	150W	100~277V	24000LM	>80	IP66	1500*122*102mm



# Explosion Proof Light

*Quality Within Your Reach*





# ATEX certified

Expert  
Explosion-proof Series

II 2G Ex eb mb IIC T4 Gb  
II 2D Ex tb IIC T (95°C) Db



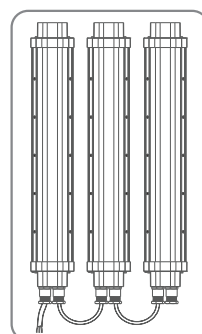
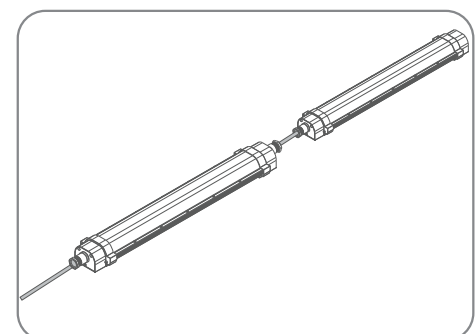
“ Unlike the glass tube design of traditional fluorescent lamps, our lamps have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than fluorescent lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. It provides a more reliable, stable, durable, and energy efficient light source over traditional fluorescent lighting.

### Linkable in Series

The end cap on each side of the fixture can be opened very easily to rewire inside. With one gland and two glands for options. and 3x2.5mm<sup>2</sup> or 5X1.5mm<sup>2</sup> wire through, it can be linkable in series to save installation cost.



Wago  
connectors  
Easy Rewiring  
Cost Saving

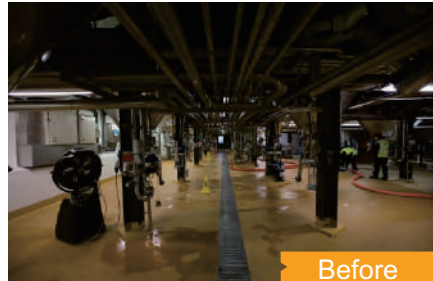


## Application

“ Applied to oil fields, oil refineries, offshore oil platform, power plants, gas stations, oil tanks, wharf, tunnel, pumping station, substation, the military base, etc. Zone I and Zone II Hazardous Locations, Zone 21, Zone 22 and IIA, IIB, IIC explosive gas atmosphere.

Zone 1 Zone 2  
Zone 21 Zone 22

Project: Factory  
Location: Ireland  
Light used: 220pcs 150w



Before

After

With Atex certified, our explosion proof light can be widely used for applications of flammable and explosive chemical materials. Bridgelux led and specially designed driver are used to guarantee safety and long lifetime.

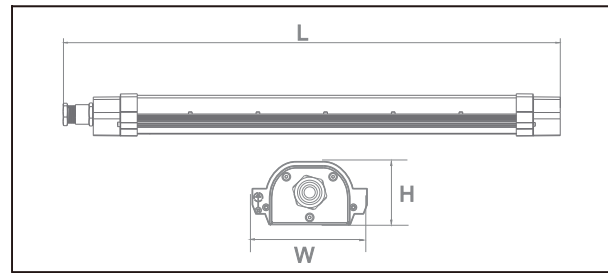
Project: Industrial workshop  
Location: Germany  
Light used: 184pcs Atex Lights





II 2G Ex eb mb IIC T4 Gb  
II 2D Ex tb IIC T(95°C) Db

**Features**  
 Housing: Pure Aluminum A6063  
 Thermal Conductivity: 226 W/m · K  
 Led: Bridgelux  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Lifud  
 Driver Efficiency: >92%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP65  
 Impact Test: IK10  
 Corrosion Proof: WF2  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -25~45°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 ZigBee · PWM · DALI · 0/1~10V

**Optical options:**

120lm/w 5 YEARS WARRANTY Lifud Driver Bridgelux LED

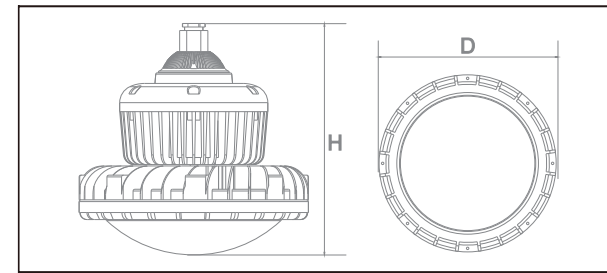
Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TB020SE2E-BG	20W	100~277	2400LM	>80	IP65	L735*W115*H63MM
TB040SE2E-BG	40W	100~277	4800LM	>80	IP65	L735*W115*H63MM
TB040SE4E-BG	40W	100~277	4800LM	>80	IP65	L1335*W115*H63MM
TB060SE4E-BG	60W	100~277	7200LM	>80	IP65	L1335*W115*H63MM
TB080SE4E-BG	80W	100~277	9600LM	>80	IP65	L1335*W115*H63MM

Note: With transparent cover brightness is up to 150lm/w



II 2G Ex e mb d IIC T5 Gb

**Features**  
 Housing: Die-cast Aluminum ADC12  
 Thermal Conductivity: 96 W/m · K  
 Led: CREE JK3030  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell HBG  
 Driver Efficiency: >92%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP66  
 Impact Test: IK08  
 Corrosion Proof: WF2  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~60°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 PWM · DALI · 0/1~10V

**Optical options:**

130lm/w 5 YEARS WARRANTY Meanwell Driver Cree LED

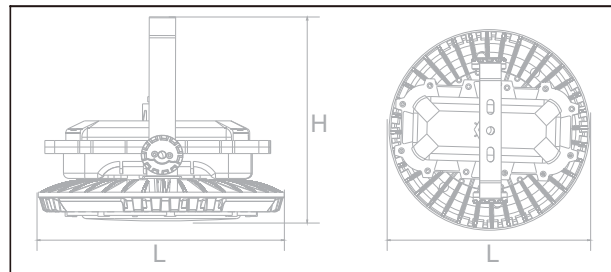
Model	Watt	Voltage	Lumen	CRI	IP	Dimension
EX060SE4F-CM	60W	100~277V	7800LM	>80	IP66	D325*H315MM
EX080SE4F-CM	80W	100~277V	10400LM	>80	IP66	D325*H315MM
EX100SE4F-CM	100W	100~277V	13000LM	>80	IP66	D325*H315MM
EX120SE4F-CM	120W	100~277V	15600LM	>80	IP66	D325*H315MM
EX150SE4F-CM	150W	100~277V	19500LM	>80	IP66	D325*H315MM
EX200SE4F-CM	200W	100~277V	26000LM	>80	IP66	D325*H315MM





II 2G Ex de mb IIC T6 Gb  
II 2D Ex tb A21 T1 (80 °C) Db

**Features**  
 Housing: Die-cast Aluminum ADC12  
 Thermal Conductivity: 96 W/m · K  
 Led: CREE JK3030  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP66  
 Impact Test: IK08  
 Corrosion Proof: WF2  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~60°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 PWM · DALI · 0/1~10V

**Optical options:**

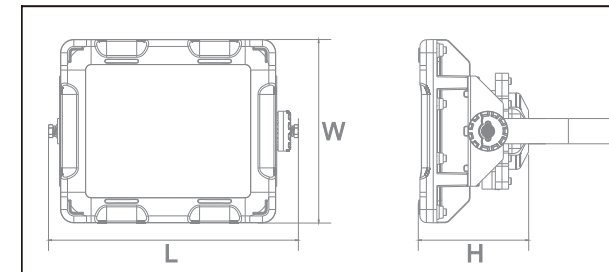


Model	Watt	Voltage	Lumen	CRI	IP	Dimension
EX060ME4F-CM	60W	100~277V	9600LM	>80	IP66	354*312mm
EX080ME4F-CM	80W	100~277V	12800LM	>80	IP66	354*312mm
EX100ME4F-CM	100W	100~277V	16000LM	>80	IP66	354*312mm
EX120ME4F-CM	120W	100~277V	18000LM	>80	IP66	354*312mm
EX150ME4F-CM	150W	100~277V	22500LM	>80	IP66	354*312mm
EX200ME4F-CM	200W	100~277V	28000LM	>80	IP66	354*312mm



II 2G Ex de mb IIC T6 Gb  
II 2D Ex tb A21 T1 (80 °C) Db

**Features**  
 Housing: Die-cast Aluminum ADC12  
 Thermal Conductivity: 96 W/m · K  
 Led: CREE JK3030  
 CRI: Ra>70  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP66  
 Impact Test: IK08  
 Corrosion Proof: WF2  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~60°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H

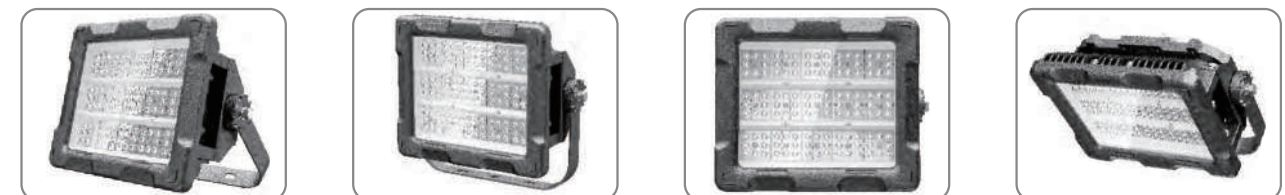


**Functions**  
 PWM · DALI · 0/1~10V

**Optical options:**



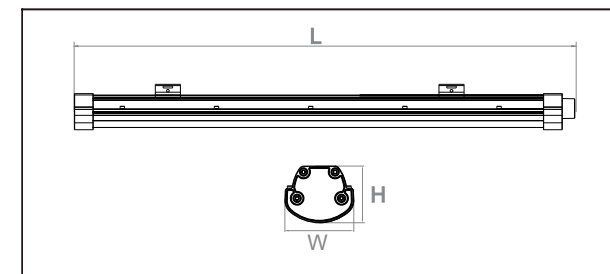
Model	Watt	Voltage	Lumen	CRI	IP	Dimension
EX025AE1H-CM	25W	100~277V	3750LM	>70	IP66	374*276*171
EX050AE1H-CM	50W	100~277V	7500LM	>70	IP66	374*276*171
EX070AE1H-CM	70W	100~277V	10500LM	>70	IP66	374*276*171
EX100AE1H-CM	100W	100~277V	15000LM	>70	IP66	374*276*171
EX150AE1H-CM	150W	100~277V	21000LM	>70	IP66	374*276*171
EX200AE1H-CM	200W	100~277V	28000LM	>70	IP66	374*276*171





**Features**

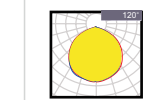
Housing: Pure Aluminum A6063  
 Thermal Conductivity: 226 W/m · K  
 Led: Bridgelux  
 CRI: Ra>80  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Explosion Proof Driver  
 Driver Efficiency: >92%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 4KV  
 Waterproof: IP66  
 Impact Test: IK10  
 Corrosion Proof: WF2  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -25~45°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**

PWM · DALI · 0/1~10V

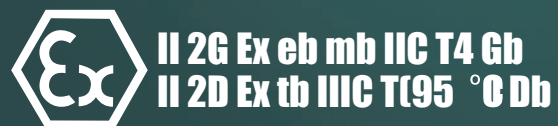
**Optical options:**



# Explosion Proof Light

Elegance series linear explosion proof light is built to perform effectively and economically in areas that may be difficult to service, expensive to shut down or any location requiring an increased degree of safety. Compared with conventional lighting, it consumes up to 85% less energy and typically lasts as long as 50,000 hours or more.

Model	Watt	Voltage	Lumen	CRI	IP	Dimension
TB020EE2H-BG	20W	100~277	3000LM	>80	IP66	600*70*58mm
TB040EE2H-BG	40W	100~277	6000LM	>80	IP66	600*70*58mm
TB040EE4H-BG	40W	100~277	6000LM	>80	IP66	1200*70*58mm
TB060EE4H-BG	60W	100~277	9000LM	>80	IP66	1200*70*58mm
TB080EE5H-BG	80W	220~240	12000LM	>80	IP66	1500*70*58mm





# Grow Light

*Quality Within Your Reach*

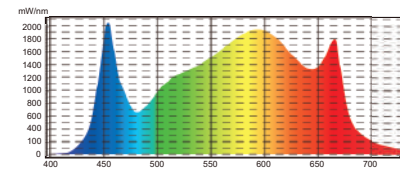
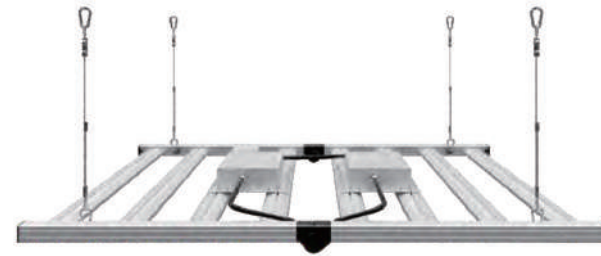
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# LED GROW LIGHT

## Foison Series

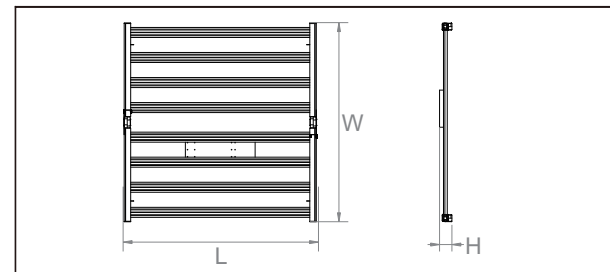
### Full Spectrum

Our Foison series grow light is designed for indoor and greenhouse cultivation, and will increase the growth rate and yield of a wide variety of plants. The lights can be used for all phases of growing as they are dimmable, programmable, and individually controllable. It effectively support photosynthesis while offering dynamic spectrum control where specific spectral ratios can be created to direct plant growth and promote healthy plant development.



#### Features

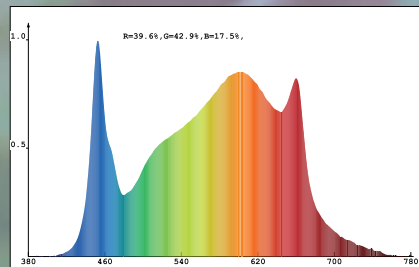
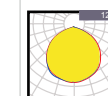
- Housing: Pure Aluminum
- Thermal Conductivity: 226 W/m · K
- Spectrum: Full spectrum
- CRI: Ra>90
- Efficacy: 2.7umol/j
- Power Factor: >0.95
- THD: <15
- Driver: Sosen
- Driver Efficiency: >93%
- Protection: OTP, OCP, OVP, SCP
- Surge Protection: 10KV
- Waterproof: IP54
- Impact Test: IK08
- Electrical: 100-277V, 50/60Hz
- Operating Temperature: -40~50°C
- TM21: L90B10>50,000H
- Lifetime: 50,000H



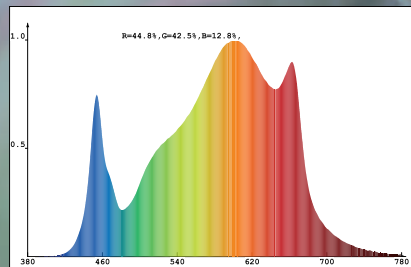
#### Functions

1-10V Knob Dim

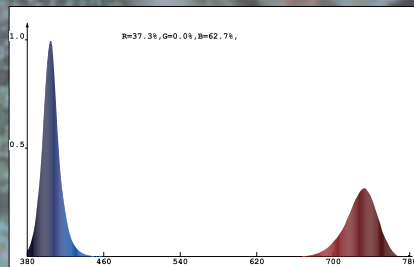
#### Optical options:



Type B: 3000K+5000K+660nm  
Full spectrum with enhanced blue  
Application: Greenhouse

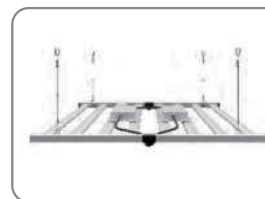


Type C: 3000K+5000K+660nm  
Full spectrum with balanced blue  
Application: Indoor grow room



Type D: 730nm+400nm  
Enhanced far red and UV light  
Application: For flowering stage

Model	Watt	Voltage	Effi.	PPF	IP	Dimension
PG640FE	640W	100~277V	2.7 umol/s/w	1728 umol/s	IP54	1110*1098*80
PG720FE	720W	100~277V	2.7 umol/s/w	1944 umol/s	IP54	1110*1098*80
PG960FE	960W	100~277V	2.7 umol/s/w	2592 umol/s	IP54	1110*1098*80





# Cellar Light

*Quality Within Your Reach*

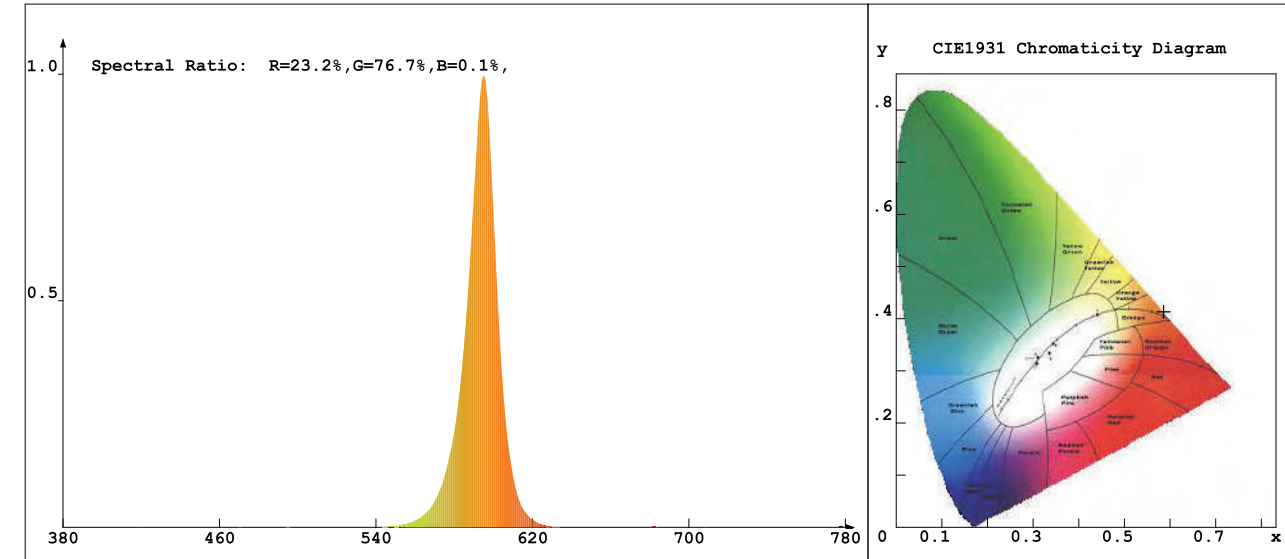
KLOOK  
Co.



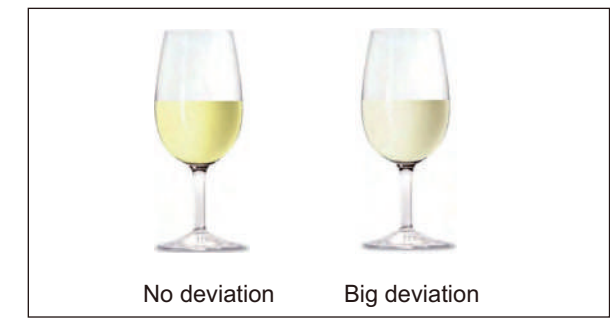
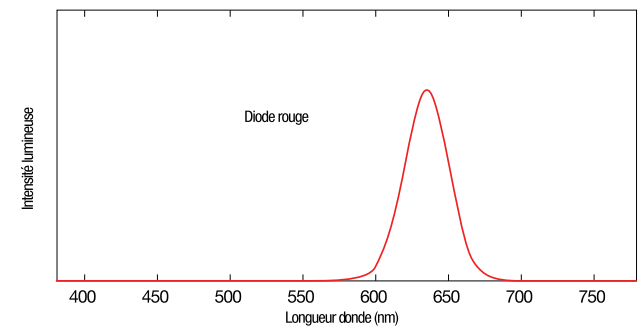
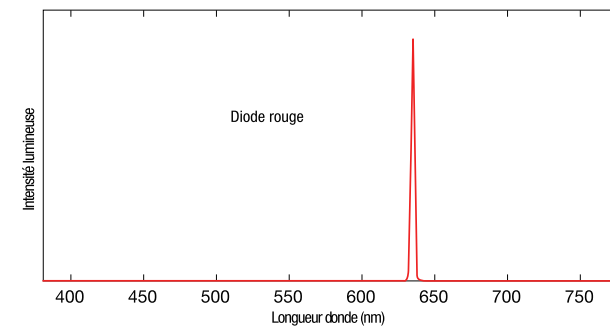
## LED CELLAR LIGHT

# Solution for Cellar

In the cellar storage areas, lighting should be as protective as possible. The emission spectrum to choose is therefore a narrow spectrum and centered on 590 nm. But this choice should not be made on the visual rendering of the lighting. Our Cellar light has perfect light emission spectrum, which protects the taste of wine.



As proof, a test carried out with two lamps both with a spectrum whose maximum peak is located at 590 nm, but with different emission spectra as shown in Figure below. The left doesn't change the wine, while the right causes deviations.



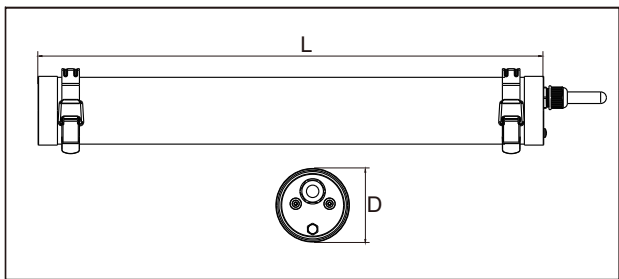
“At the beginning of the 20th century, light had been verified that can present organoleptic risks to our wines. UV is not the only cause of deviations, certain wavelengths in the visible are harmful to our wines, especially in the lower spectrum (blue cyan). Even short light exposures have a cumulative effect on the appearance of the taste. Our Cellar light with a narrow spectrum and centered on 590 nm, is the most protective and ideal solution for this application.





**Features**

Housing: PMMA  
 Thermal Conductivity: 226 W/m · K  
 Led: Osram  
 Wave: 590nm  
 SDCM: <6  
 Power Factor: >0.90  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 2KV  
 Waterproof: IP69K  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~45C°  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee • PWM • DALI • 0/1~10V • Micro-wave

**Optical options:**

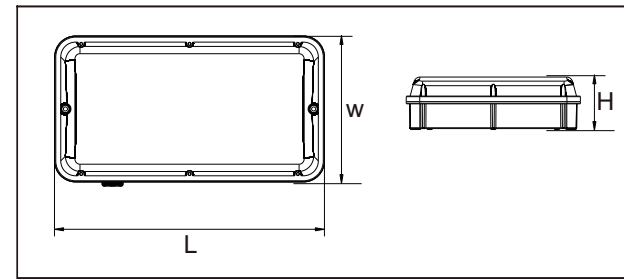


Model	Watt	Voltage	Lumen	Wave Length	IP	Dimension
CL020CE2A-OO	20W	220~240V	1200LM	590NM	IP69K	L600*D81MM
CL040CE4A-OO	40W	220~240V	2400LM	590NM	IP69K	L1200*D81MM
CL060CE5A-OO	60W	220~240V	3600LM	590NM	IP69K	L1500*D81MM



**Features**

Housing: PC  
 Cover: Prism  
 Led: Osram  
 Wave: 590nm  
 SDCM: <6  
 Power Factor: >0.90  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 2KV  
 Waterproof: IP65  
 Impact Test: IK08  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -20~45C°  
 TM21: L80B10>50,000H  
 Lifetime: 50,000H



**Functions**

ZigBee PWM DALI • 0/1~10V • Micro-wave

**Optical options:**



Model	Watt	Voltage	Lumen	Wave Length	IP	Dimension
CL010ME1A-OO	10W	220~240	600LM	590nm	IP65	L274*W148*H82.5MM
CL016ME1A-OO	16W	220~240	960LM	590nm	IP65	L274*W148*H82.5MM





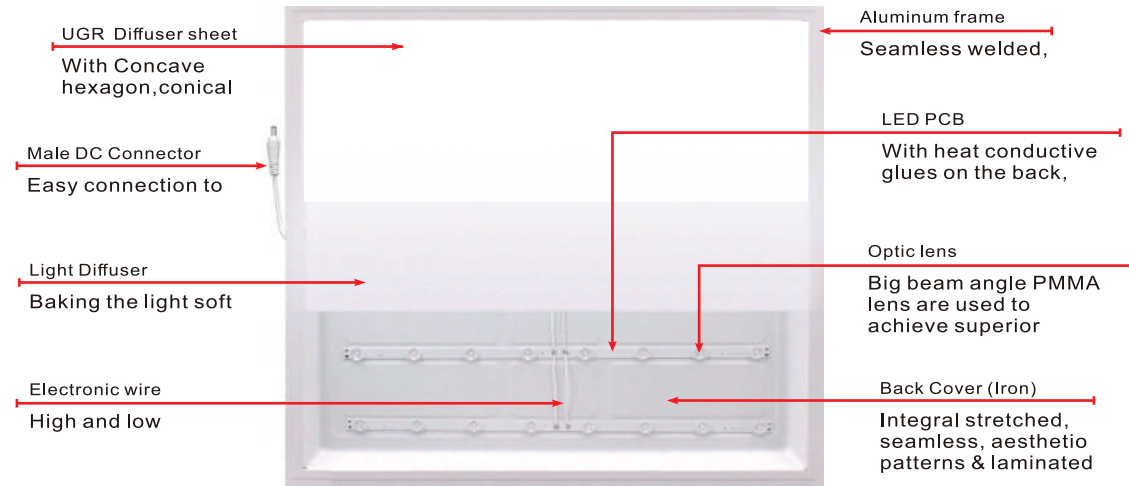


# Led Panel Light

*Quality Within Your Reach*

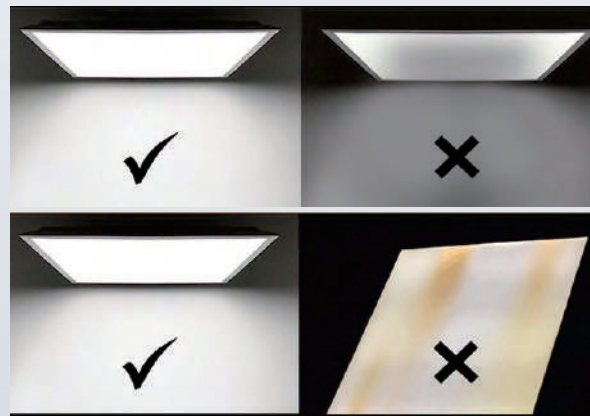
# UGR < 19

A special Kerafym diffuser plate is used on the surface to lower the UGR to less than 19. Not only the ugr is perfect for office, showroom, etc, but also the light uniformity is improved.



## Better Life time

To compare with edgelit panel, our Thor series Backlit panel has big advantages. Since it is direct light emitting without LGP inside, it doesn't have shadows on the edges of the panel, neither yellowish problem will occur after years working. And the LED has much bigger heat dissipation surface, the lumen maintenance and life time are much better.



### Features

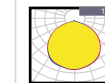
Housing: Aluminum & Iron  
Thermal Conductivity: 226 W/m·K  
Led: Sanan  
CRI: Ra>80  
SDCM: <6  
Power Factor: >0.95  
THD: <15  
Driver: Philips  
Driver Efficiency: >92%  
Protection: OTP, OCP, OVP, SCP  
Surge Protection: 2KV  
Waterproof: IP44  
Impact Test: IK08  
Electrical: 220-240V, 50/60Hz  
Operating Temperature: -20~40°C  
TM21: L80B10>50,000H  
Lifetime: 50,000H



### Functions

ZigBee · PWM · DALI · 0/1~10V · Micro-wave

### Optical options:



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
PH034TE22E-SP	34W	220~240V	4080LM	>80	IP44	L595*L595*H32MM
PH034TE14E-SP	34W	220~240V	4080LM	>80	IP44	L1195*W295*H32MM
PH034TE62E-SP	34W	220~240V	4080LM	>80	IP44	L620*W620*H32MM