CRYSTAL FLASH

ENJOY THE LIGHT

INDUSTRIAL FIELD AND HAZARDOUS LOCATIONS

2024 CATALOG

CRYSTAL FLASH

ENJOY THE LIGHT

LOOX

LUMINATION

ABOUT US

OUR PRODUCTS

CONTACT US

CRYSTAL FLASH

Lighting Manufacturer

COMPANY PROFILE:

Crystal Flash Co. LLC is a manufacturer, developer, and distributor of goodswithin the lighting industry. The company is known for providing a top-qualitylevel product with high and strict QC checks and standard requirements whichhave proven to be exemplary regarding the quality of their production firms.Crystal Flash Co. maintains an emphasis on growth, development, andadvancement of themselves as a company, and in the industry in which they operate.Crystal Flash Co. is proud of the fact that it has access to an advanced laboratoryand a well-equipped and proficient R&D team, which allows them to produceproducts under IEC 60598, IEC 60968, and IEC988 standards, as well as productsthat are fit to be exported to Europe, being approved by CE quality standards.The company operates internationally with advanced teams all over the world topresent the best quality with the strictest standards to the clients, all of the teamsoperating with Crystal flash co have to achieve an IEC17025 certificate from the NationalAdvisory Committee of Immunization (NACI). Also, the ISO4001:2012 certificatefor modern management techniques in consumer satisfaction as well as ISO9001:2015standard.

The factory has numerous divisions such as:

- Research and Development division in canada (R&D)
- Multiple Production lines in iran
- Quality Control, and Quality Assurance divisions
- Information and Communications Technology
- Marketing
- Domestic sales
- International sales and exports
- Human resources

Crystal Flash has been published in numerous regional, leading, scientific, and research publications, for presenting research developments and scientific achievements, in branding and industrial development fields. The company also issues journals dedicating in spreading the green energy culture and introducing the technologies and appliances to promote this facility. Being Environmentally friendly products has been also extremely important to the company and as result, a standard certificate of ISO14001 :2012 was also achieved.

Company Vision:

Crystal Flash Co. is aiming to become a market leader in the lighting industry for the region. In order to attain this goal, Crystal Flash will utilize valuable human capitals, attracts investment in order to attain the most advanced production facilities, sales team, distribution channels, after sales services, and generate the highest value for the stakeholders.

The way to reach that vision is to pave the way in customer indulgence and trying to meet and fulfil all aspects of the market. Entering and developing new features such as high efficiency lamps, smart products and renewable energies.

Fields of Specialization:

- Industrial and Solar Lights.
- LED Bulbs, (A Bulbs, Colourful Bulbs, Dimmable Bulbs, Bulbs with Sensors, High Powers)
- Candle Lights, Spot Lights, Downlights, LED Panel Lights, Strip Lights, Track Lights.
- LED Flood Lights, Street Lights.
- LED Tubes, (water proofs, integrated tubes, replacement tubes, colourful tubes)
- Miniature Circuit breakers (MCBs), Residual Current Circuit Breaker (RCCB)
- Providing laboratory services in the field of lighting equipment (In association with National Standardization Authority and National Qualification Authority)

CRYSTAL FLASH DIVISIONS:

- **Research and development unit:**

Crystal Flash Co has been certified and approved to hold a Research and Development license, in an attempt to continue their efforts in advancing the lighting industry. The Laboratory is well equipped with the most up-to-date technologies and advanced machineries, presenting them the freedom and capability to conduct all classes of experiments in variety of products, in terms of quality, efficiency, durability, and improvement of designs.
The department also acts as quality control and assurance unit, by using process control methods and supervising the assembly line, and analyzing the results making sure products move out of the production line with no flaws. There is software like Mini Tab and SPSS used in order to make those observation and minimize the probability of any imperfections or flaws in the product that the consumer purchases.

- **Production unit:**

Experienced work forces and advanced assembly line with sensitive supervision and 24 hours monitoring and quality control are used to ensure the product quality in terms of both actual product and the packaging.

- **Warehousing and distribution centers:**

In order to speed up the production, delivery, and sales, some high-tech softwares are used to monitor and forecast the raw materials in the inventory, the raw materials needed, goods that are produced and ready to move out, and to keep track of the distribution channels until the goods are reached to the customers.

- **Marketing unit:**

The marketing team aims to embrace the customers, to identify potential buyers, and to develop new marketing segments constantly to ensure all proficient segments are covered and all new segments are wellresearched. Various researches are being conducted on a consistent basis, to help realize the needs of the customer, and their behavior habits, as well as the market competitors and SWOT analysis, on daily basis.

- **Sales unit:**

Crystal Flash benefits from a professional and experienced sales team to ensure that all consumer needs and potential consumer needs are well met. It is essential for the company's wellbeing that customers are satisfied in terms of quality, value for money, all the knowledge needed in purchasing the right product for their specific needs and so on.

- **After sales services:**

The obligation of a manufacturer will not be complete upon selling a product; a key to consumer satisfaction is to follow up on a product all the way to the end of its life cycle and ensure that the customer is satisfied with their purchase until the end of the product's life cycle. Crystal Flash's after sales services unit is fully dedicated to follow up the consumers satisfaction and to help minimize any insufficiencies or inconveniences by providing spare parts, replacing the defects or damaged parts, help and consult with installation, and other all possible means to meet the consumer needs.

Fulfillments:

- Being a member of the National Oil and Gas organization's vendor list as a trusted supplier.
- Reliable associate of the standard organization, Certified Standard Testing Laboratory, IEC17025
- Highly reputable quality management and customer satisfaction edifices.
- Environmental management system
- Export badge of Europe CE

Objectives:

- Maximizing energy saving, improving lifespan to increase the consumer economy prospective and also providing longer product warranty
- Stability of light quality overtime, maximizing light efficiency
- Comply with Up To Date world standards
- Continuing to improve product designs, to capitalize on elegance, user friendly products with ease of installation. Increasing the quality of components and parts constantly.
- Unconditional after sales services, high inventory of spare parts and replacement products to build a quicker customer service.

Model A2

Model A

Model A3

Model A4

صنع في عُمان
Made in Oman

LOOX

Features

Various installation methods

Wide and narrow optics for uniform illumination

Copper free aluminum body and corrosion resistant frame

High vibration resistance

Up to 50,000 hours LED service life

Valid over the entire temperature range from -40°C to 50°C (-40 °F to 122°F)

	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

UL Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	Ex II 2 G Ex eb mb IIC T6...T4 Gb Ex II 2 D Ex tb IIIC T80°C...T100°C Db Ex II 3G Ex ec IIC T6...T3 Gc Ex II 2D Ex tb IIIC T85°C...T103°C Db
IECEx Standard	Ex eb mb IIC T6...T4 Gb Ex tb IIIC T80°C...T100°C Db Ex ec IIC T6...T3 Gc Ex tb IIIC T85°C...T100°CDb
Other Certifications	UL1598, UL1598A, UL924, ETL, DLC, ABS
Housing Material	Copper Free Aluminum
Diffuser Material	Tempered Glass
Power Rating	80/100W(A);20/40/60W(A2);150/180/200W(A3); 250/300/400W(A4)
Lumens(lm)	11,200/14,000(A); 2,800/5,600/8,400(A2); 21,000/25,200/28,000(A3); 35,000/42,000/56,000(A4)
CCT Range	2,200K-7,000K
Voltage Range	200-250VAC (Zone 1, 2); 120-277/277-480VAC (North America)
Efficiency	100 lm/W - 140 lm/W
Warranty	5 Years
CRI	>70
Back-up Supply	3 Hours
Driver	Meanwell
Ways of Mounting	Ceiling, Wall, Hook, Pole, Arm, Stanchion
Protection	IP66/IP67/IK08 (Glass Cover)/IK10 (with Wire Guard)/1000 Hours Salt Spray/5G Vibration

Three Shapes

Shape 1: Front Cover without Step

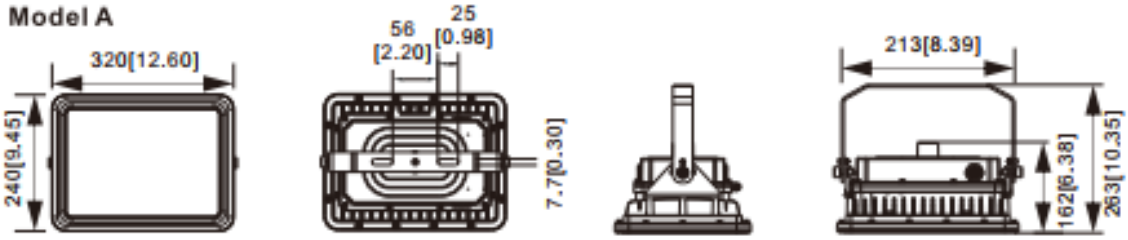
Shape 2: Front Cover with Step

Shape 3: with M75 Round Cover

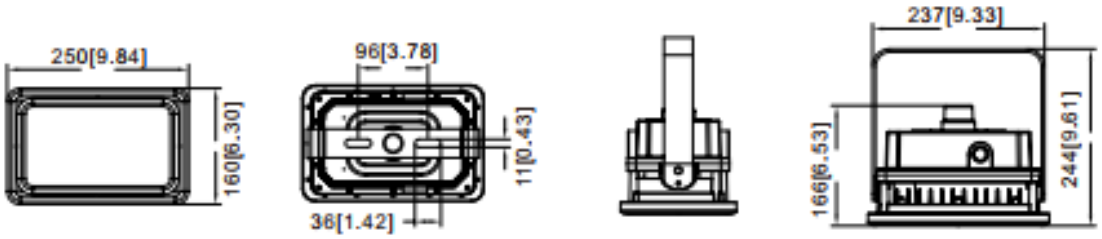
Dimension

(Unit: mm[inch])

Model A



Model A2



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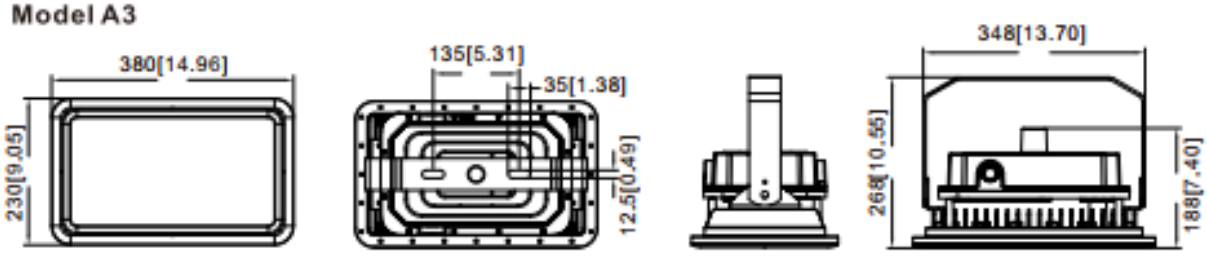

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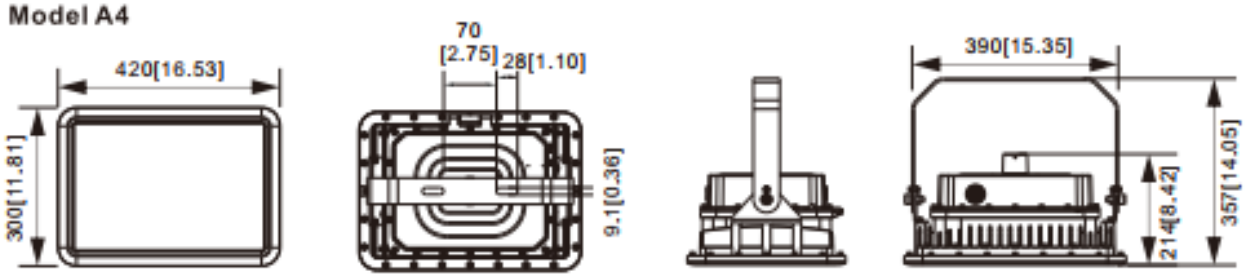
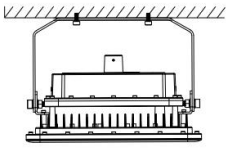


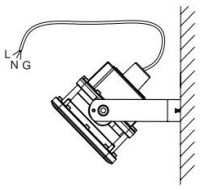
Installation Methods and Accssories

No.1: Ceiling Mounting



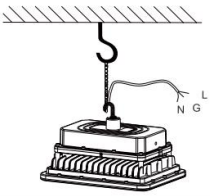
Bracket

No.2: Wall Mounting



Bracket

No.3: Hook Mounting



Hook
Ex-Hook

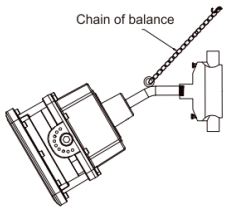
Pendant Chain
Ex-Straight Chain

No.4: Pole Mounting A

Junction Box
EX-HD51-KB1

Pole
Ex-Straight Pipe

No.5: Pole Mounting B

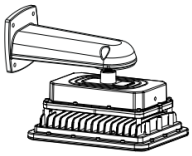


Junction Box
EX-HD51-KB1

Pole
Ex-Bended Pipe

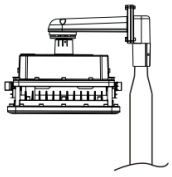
Pendant Chain
Ex-Straight Chain

No.6: Arm Mounting



Stanchion Arm
Ex-MArm

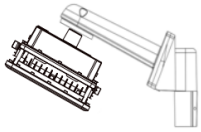
No.7: Stanchion 90°



Stanchion Arm
Ex-MArm

Pole Support
Ex-90P Support

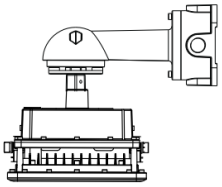
No.8: Stanchion 25°



Stanchion Arm
Ex-MArm

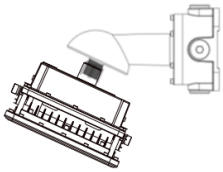
Pole Support
Ex-25P Support

No.9: Wall Mounting with Junction Box (90°)



Stanchion Arm
EX-HD51-KYD 90

No.10: Wall Mounting with Junction Box (25°)



Stanchion Arm
EX-HD51-KYD 25

No.11: Mobile Flood Light (5 Options)

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STA5

STA6

STA7 STA8

STA9

STA10

Features

Various installation methods

Wide and narrow optics for uniform illumination

Copper free aluminum body and corrosion resistant frame

High vibration resistance

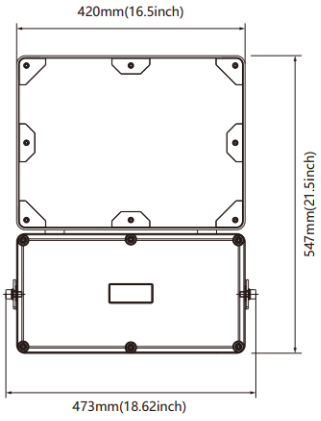
Up to 50,000 hours LED service life

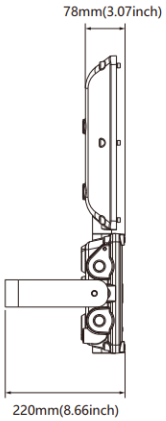
Technical Data

ATEX Standard	Ex II 2 G Ex mb eb IIC T4/T5/T6 Gb Ex II 2 D Ex tb IIIC T80°C/T125°C Db IP66
IECEx Standard	Ex mb eb IIC T4/T5/T6 Gb Ex tb IIIC T80°C/T125°C Db IP66
Housing Material	Copper Free Aluminum
Lens	Tempered Glass
Power Rating	50/60/70/80/100/120/135/150/180/200/240W(STA5); 50/60/70/80/100/120W(STA6); 100/120/140/160/200/240/270/300/360/400/480W(STA7); 100/120/140/160/200/240W(STA8); 50/60/70/80/100/120/135/150/180/200/240W(STA9); 50/60/70/80/100/120W(STA10)
Voltage Range	200-277VAC
Efficiency	130lm/W (3500K-4000K); 140lm/W (4000K-6500K)
Warranty	5 Years
CRI	>70
CCT	3500K-6500K
LED Chip	EMC3030
Beam Angle	30°/60°/90°/120°/T2M/T3M/T4M
IP	IP66
IK (Glass)	IK09
Operating Temperature	-40°C to +40°C for T6/T80°C; -40°C to +55°C for T5/T95°C

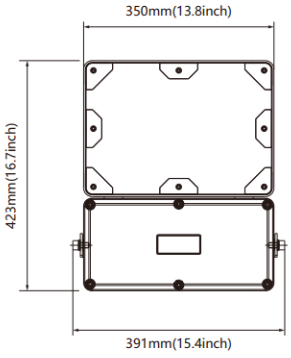
	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

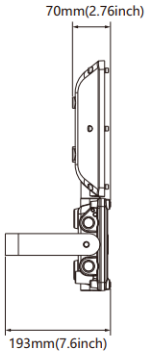
Dimension





STA5





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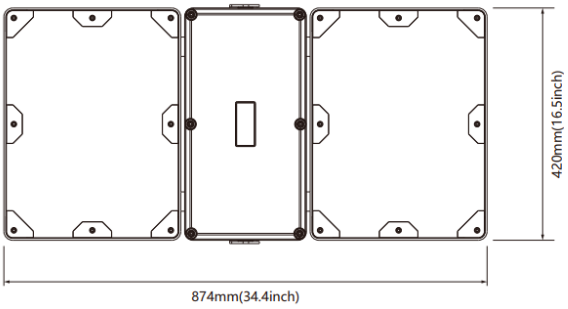

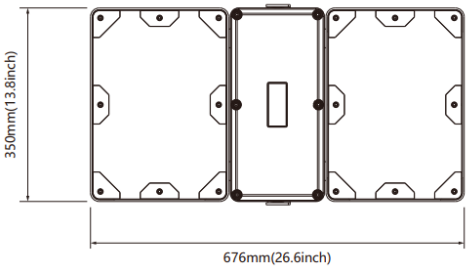

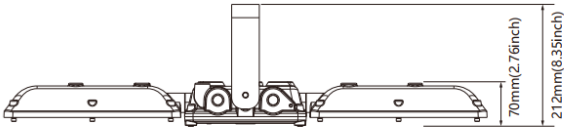

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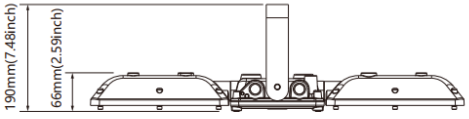
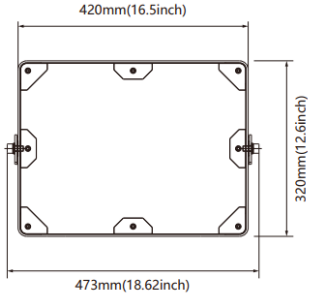
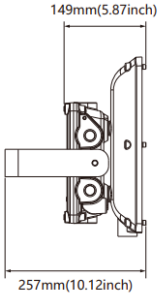
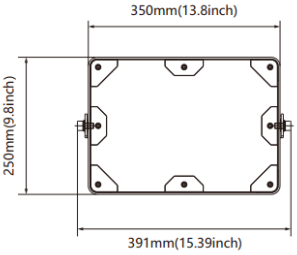


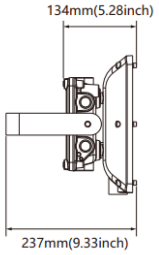
STA8





STA9





STA10

Model B2

Model B

Model B3

Model B4

صنع في عُمان
Made in Oman

Features

Copper free aluminum

High Efficacy: up to 140lm/W

Various installation methods

High vibration resistance

Stainless Steel Hardware

Replaceable LED board & dirver

Marine rated powder coating

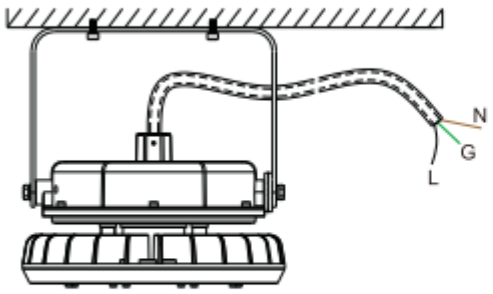
Technical Data

UL 844 Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	II 2 G Ex eb mb IIC T6...T4 Gb II 2 D Ex tb IIIC T80°C...T100°C Db II 3 G Ex ec IIC T6...T3 Gc II 2 D Ex tb IIIC T85℃...T103℃ Db
IECEx Standard	Ex eb mb IIC T6...T4 Gb Ex tb IIIC T80°C...T100°C Db Ex ec IIC T6...T3 Gc Ex tb IIIC T85°C...T100°CDb
Other Certifications	UL1598, UL1598A, UL924, ETL, DLC, ABS, NSF, CB
Housing Material	Copper Free Aluminum
Lens	Tempered Glass; Flat (Standard)/Convex (Optional)/Globe (Optional)
Power Rating	60/80W(B); 20/40W(B2); 100/ 120/150/200W(B3); 250/300/350/400W(B4)
Lumens(Lm)	8400/11,200(B); 2,800/5,600(B2); 14,000/16,00/21,000/28,000(B3); 35,000/42,000/49,000/56,000(B4)
CCT Range	2,200K-7,000K
Voltage Range	200-250VAC (Zone 1, 2); 120-277/277-480VAC (North America)
Efficiency	100 lm/W - 140 lm/W
Warranty	5 Years
CRI	>70
Back-up Battery	Up to 3 Hours
Driver	Meanwell
IP/IK	IP66/IP67/IK08 (Glass Cover)/IK10 (with Wire Guard)
Other Protection	1000 Hours Salt Spray/5G Vibration
Operating Temperature	-40℃ to +55℃

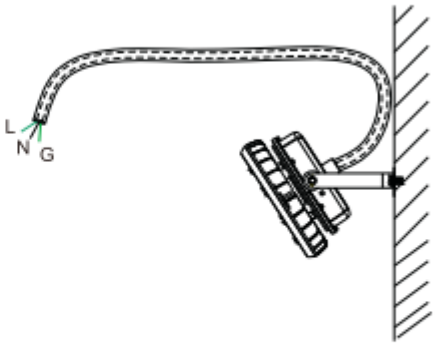
	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Installation Methods

No.1: Ceiling Mounting

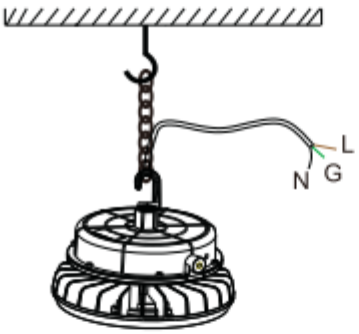


No.2: Wall Mounting

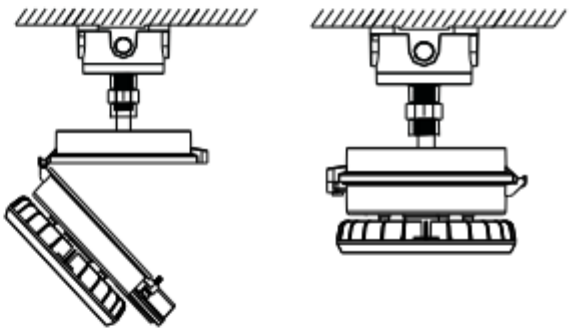


No.3: Pole Pendant

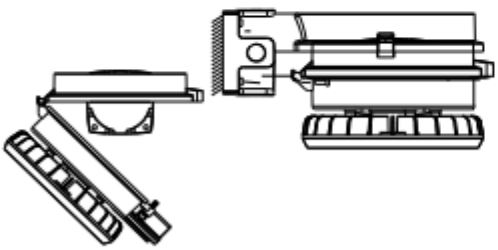
No.4: Hook Pendant



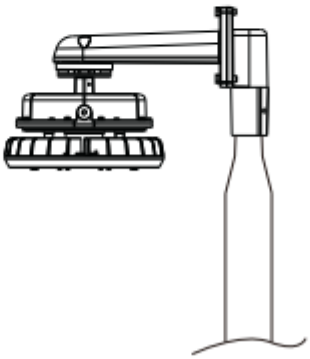
No.5: Ceiling Mounting by Opening Driver Box



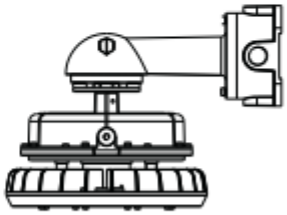
No.6: Arm Mounting by Opening Driver Box



No.7: Stanchion Mounting



No.8: Wall Mounting



Packing Information

Model	Quantity/ Carton	Packing Size (mm/inch)	N.W (kg/lb)	G.W (kg/lb)
B2	1	360x354x260mm; 14.17x13.94x10.24inch	3.5 kg/7.72 lbs	5 kg/11.02 lbs
B	1	386x330x220mm; 15.19x12.99x8.66inch	4.4 kg/9.70 lbs	5.5 kg/12.13 lbs
B3	1	480x460x265mm 18.90x18.11x10.43inch	8.2 kg/18.08 lbs	10.5 kg/23.15 lbs
B4	1	530x530x300mm; 20.87x20.87x11.81inch	18.8 kg/41.45 lbs	21.5 kg/47.40 lbs

Accessories and Spare Parts

Pole
EX-Straight Pipe

Hook
Ex-Hook

Stanchion Arm
EX-HD51-KYD 25°

Pole
EX-Bended Pipe

Flexible Tube
EX-NG

Bracket

Junction Box
EX-HD51-KB1

Pendant Chain
Ex-Straight Chain

Pendant
Direction
Adapter

Stanchion Arm
EX-HD51-KYD 90°

Pole Support
Ex-25P Support

Lamp Shade

Pole Support
Ex-90P Support

Stanchion Arm
Ex-MArm

Cut off
Lamp Shade

Flat PC

Flat Glass

Convex PC

Convex Glass

Globe PC

Globe Glass

Features

Compact and rugged structure, easy for installation.

Six kinds of power boxes available for different requirements.

Various diffusers available: flat, convex and globe; PC and glass material optional.

All exposed fasteners with quality stainless steel.

Shock and vibration resistance with IK08/IK10 certified and 5G vibration test.

Aluminum housing, great corrosion resistance and cooling performance.

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6 Types of Driver Box Covers Available & Mounting

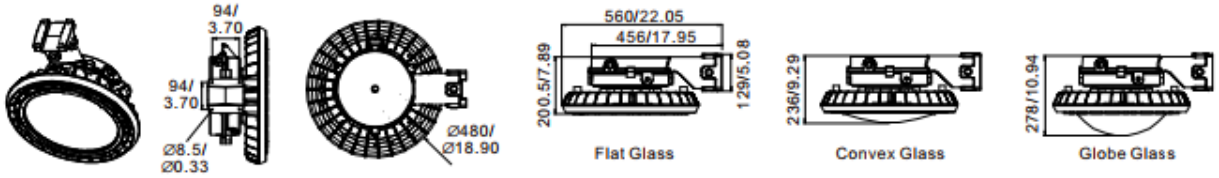
Pendant Mount Pendant Mount Pendant Mount Surface Mount Stanchion Mount Wall Mount

Technical Data

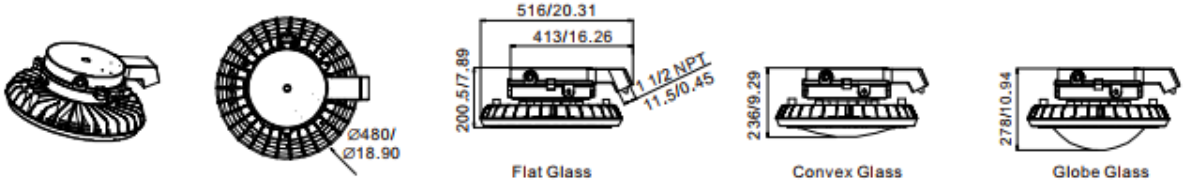
Certification	Class I, Division 2, Groups A, B, C, D
Housing Material	Copper Free Aluminum
Lens	Tempered Glass/PC
Power Rating	150/180/200/250/300/350/400W
Lumens(Lm)	19,500/23,400/26,000/32,500/39,000/45,500/52,000
CCT Range	2700K/4000K/5000K/5700K/6500K
Voltage Range	120-277/200-480VAC
Efficiency	130lm/W
Warranty	5 Years
CRI	>70
Dimming	0-10V Dimming
Mounting	Wall, Pole, Ceiling, Arm, Stanchion, Hook
IP/IK	IP66/IP67/IK08
Beam Angle	40°/60°/90°/120°

Dimension

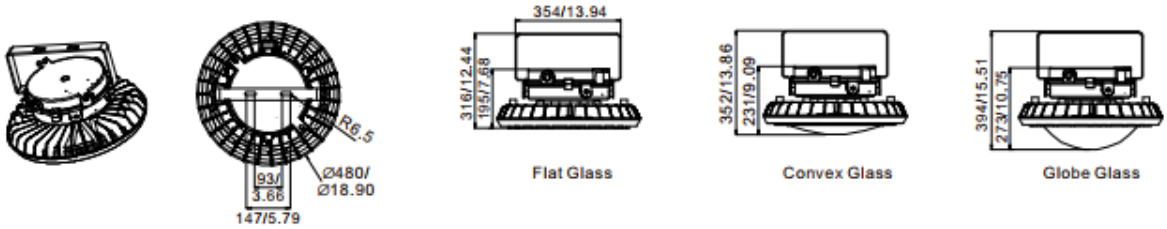
Wall Mount

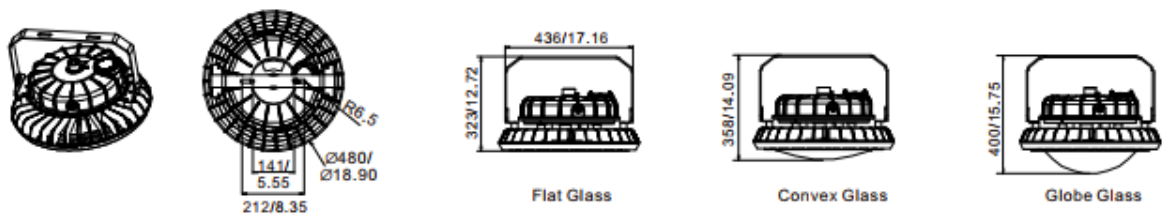


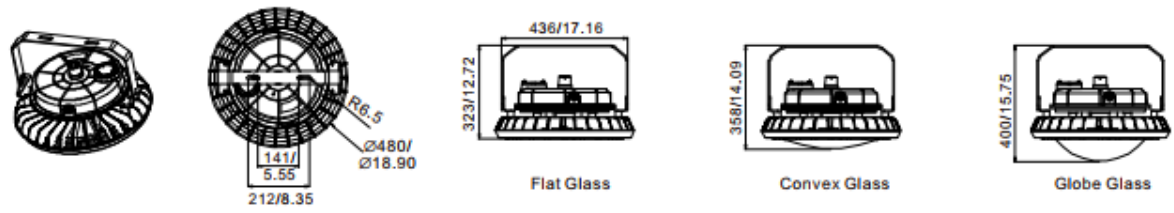
Stanchion Mount

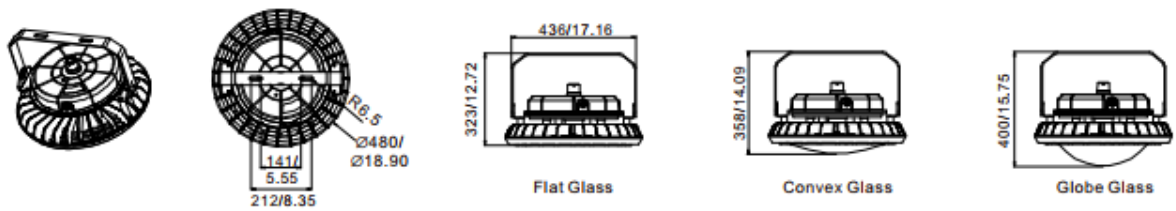


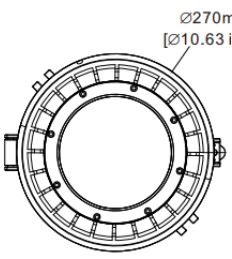
U-bracket Mount

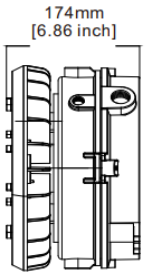












Features

Compact and rugged structure, easy for installation.

Five housing shapes designed for different installation requirements.

Shock and vibration resistance with IK08/IK10 certified and 5G vibration test.

Aluminum housing, great corrosion resistance and cooling performance.

High Efficacy: up to 130lm/W.

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Technical Data

UL 844 Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	Ex II 2 G Ex eb mb IIC T6...T4 Gb Ex II 2 D Ex tb IIIC T80°C...T100°C Db
IECEx Standard	Ex eb mb IIC T6...T4 Gb Ex tb IIIC T80°C...T100°C Db
Housing Material	Copper Free Aluminum
Lens	Tempered Glass; Flat (Standard)/Convex (Optional)/Globe (Optional)
Power Rating	20/40/50/60/80/100W
Lumens(Lm)	2,600-13,000
CCT Range	3000K/4000K/5000K/6500K
Voltage Range	Normal: 100-277/200-480VAC; Emergency: 120-277VAC
Efficiency	130lm/W
Warranty	5 Years
CRI	>70
Back-up Battery	Up to 3 Hours
Driver	Meanwell
IP/IK	IP66/IK08 (Glass Cover)/IK10 (with Wire Guard)
Beam Angle	40°/60°/90°/120°

UL Standard						
Zone	0	1	2	20	21	22
For use in			×		×	×

5 Types of Driver Box Covers Available & Mounting

Surface Mount

Stanchion Mount

Wall Mount

U-bracket Mount

Pendant Mount

Model C2

Model C

Model C3

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	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

UL Standard	Class I, Division 1, Groups C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	II 2 G Ex db IIB T6...T3 Gb II 2 D Ex tb IIC T80°C...T195°C Db
IECEx Standard	Ex db IIB T6...T3 Gb Ex tb IIIC T80°C...T195°C Db
Housing Material	Copper Free Aluminum
Diffuser Material	Tempered Glass/PC
Power Rating of C	100/150W
Power Rating of C2	20/40/60/80W
Power Rating of C3	200/250/280W
CCT Range	2,200-7,000K
Voltage Range	100-277VAC/120-250VAC/12-48VDC
Efficiency	130-140 lm/W
Lumens(Lm)	13,000-14,000/19,500-21,000 (C1); 2,600-2,800/5,200-5,600/7,800-8,400/10,400-11,200 (C2); 26,000-28,000/32,500-35,000/36,400-39,200 (C3)
Warranty	5 Years
CRI	>70
Back-up Supply Time	3 Hours
Driver	Meanwell
Operating Temperature	-40℃ to +60℃(IECEx: -40℃ to +80℃)
IP/IK	IP66/IP67/IK08 (Glass Cover)/IK10 (with Wire Guard)
Other Protection	1000 Hours Salt Spray/5G Vibration

Features

High quality copper free aluminum housing
Flat and globe glass lens
Stainless steel hardware
Philips chips & Meanwell driver
Heavy duty and high impact resistance design
Replaceable LED board & driver
Marine rated powder coating

Options

Flat Glass

Convex Glass

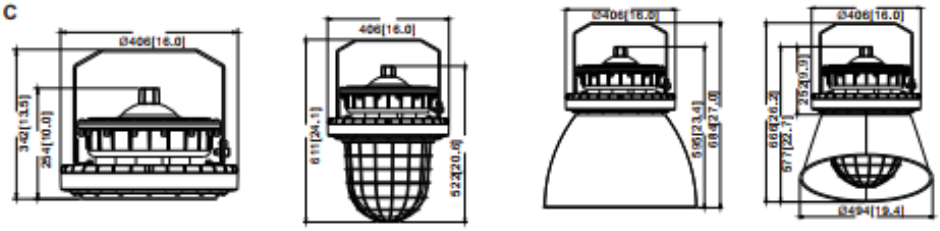
Globe Glass

Globe PC

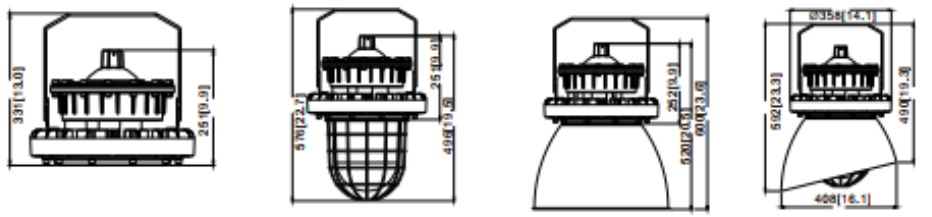
Dimension

Unit: mm[inch]

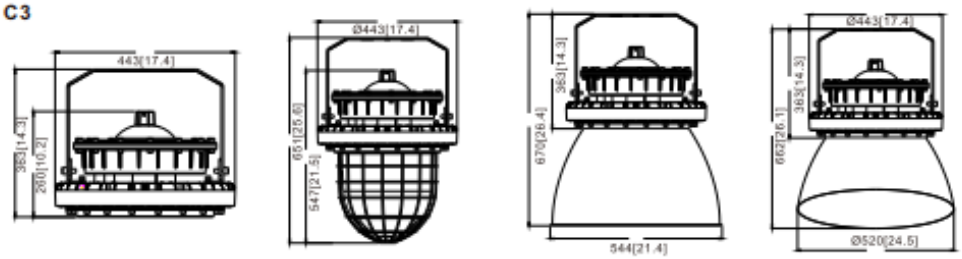
C



C2



C3



Flat Glass (Standard)

Globe Glass (Optional)

Features

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0-10V dimming.

Emergency function optional.

Compact and robust structure, excellent reliability.

Various installation ways for different applications.

Great impact resistance with IK08/IK10 certified.

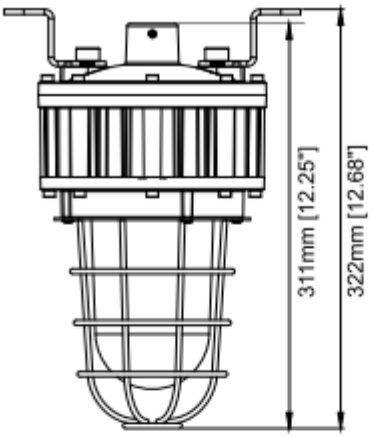
Copper-free aluminum housing, great corrosion resistance and cooling performance.

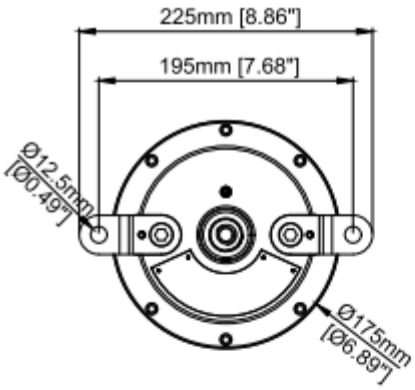
	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

UL Standard	Class I, Division 1, Groups C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
Other Certifications	UL1598, UL1598A, ETL, ABS
Housing Material	Copper Free Aluminum
Diffuser Material	Tempered Glass
Power Rating	10/20/30/40/50W
CCT Range	2,200-7,000K
Voltage Range	100-277VAC/200-480VAC
Efficiency	140 lm/W
Lumens(Lm)	1,400/2,800/4,200/5,600/7,000
Warranty	5 Years
CRI	>70
Back-up Battery(optional)	3 Hours
LED Package	Lepower
Driver	Meanwell
Operating Temperature	-40°C to +65°C
IP/IK	IP66/IK08 (Glass Cover)/IK10 (with Wire Guard)

Dimension



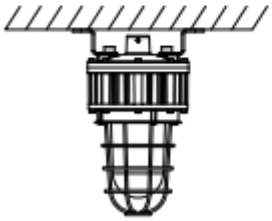


Packing Information

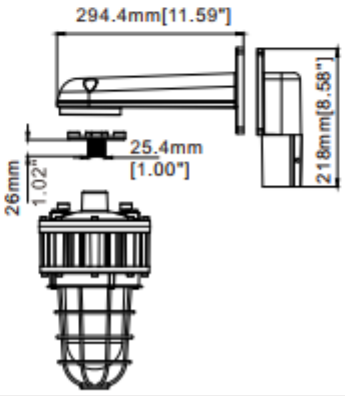
Model	Quantity/Carton	Packing Size (mm/inch)	N.W (kg/lb)	G.W (kg/lb)
G	1	380x265x255mm; 14.96x10.43x10.04inch	4.65 kg/10.25 lbs	5.4 kg/11.9 lbs
G(with 25° pole stanchion)	1	510x560x260mm; 20.08x22.05x10.24inch	6.5 kg/14.33 lbs	8 kg/17.64 lbs

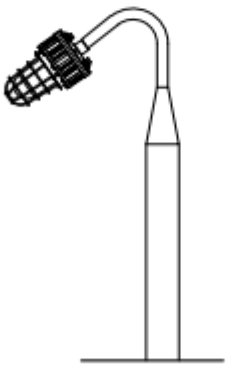
Installation Methods and Accssories

No.1: Ceiling Mounting



No.2: Pole Mounting



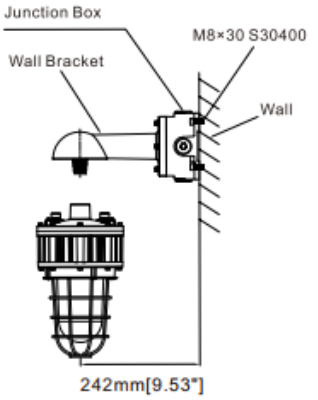


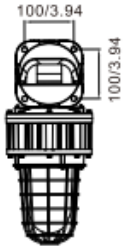
Stanchion Arm
Ex-MArm

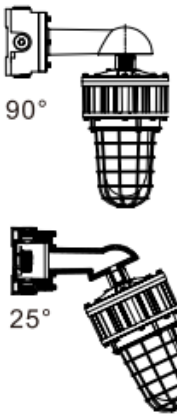
Pole Support (90°)
Ex-90P Support

Pole Support (25°)
Ex-25P Support

No.3: Wall Mounting



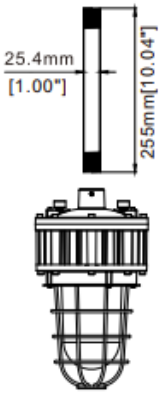


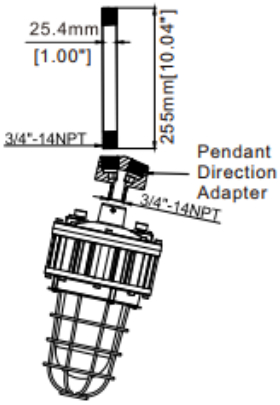


Stanchion Arm
EX-HD51-KYD 90

Stanchion Arm
EX-HD51-KYD 25

No.4: Pendant (Vertical)

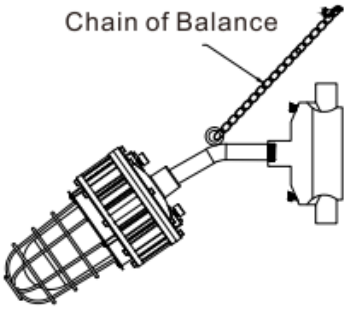




Pole
Ex-Straight Pipe

Pendant Direction Adapter
Ex-D01

No.5: Pendant (Non-vertical)



Junction Box
EX-HD51-KB1

Pendant Chain
Ex-Straight Chain

Pole
Ex-Bended Pipe

Other Optional Accessories

Lamp Shade

Cut-off Lamp Shade

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Ordinary Type

Side-cover Type (Flat/Convex Glass Optional)

Features

Design for humid, corrosive and dusty locations

Copper-free aluminum housing

Thermal shock resistant PC diffuser

Stainless steel hardware

Heavy duty and high impact resistance design.

Replaceable LED board & driver.

Marine rated powder coating.

	UL Standard					
Division	0	1	2	20	21	22
For use in			×		×	×

Technical Data

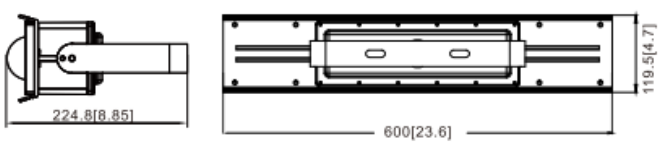
UL Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 2, Groups F,G Class III
IECEx Standard	Ex ec IIC T6...T3 Gc Ex tb IIIC T80°C/T95°C/T130°C Db
Other Certifications	CB (Ref. Certif. No.: DE 2-038462-M1) UL1598, UL1598A, UL924, ETL, ABS, DLC
Housing Material	Copper-free Aluminum
Diffuser Material	PC
Power Rating of H2	20/40W
Power Rating of H4	40/60/80W
CCT Range	2,200-7,000K
Voltage Range	100-277VAC or 12-36VDC
Efficiency	140 lm/W
Lumens(Lm)	2,800/5,600(H2); 5,600/8,400/11,200(H4)
Warranty	5 Years
CRI	>70
Back-up Supply Time(optional)	3 Hours
LED Package	Philips
Driver	Meanwell
Operating Temperature	-40°C to +60°C
IP/IK	IP66/IP67/IK08 (Glass Cover)/IK10 (with Wire Guard)
Other Protection	1000 Hours Salt Spray/5G Vibration

Packing Information

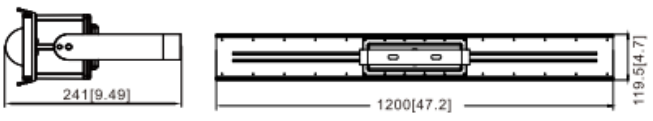
Model	Quantity/Carton	Packing Size (mm/inch)	N.W (kg/lb)	G.W (kg/lb)
H2	2	691x413x290mm; 27.2x16.26x11.42inch	4kg/8.82lbs	9kg/19.84lbs
H4	2	1300x400x295mm 51.18x15.75x11.61inch	5.5kg/12.13lbs	14.5kg/31.97lbs

Dimension (Unit: mm or inch)

H2

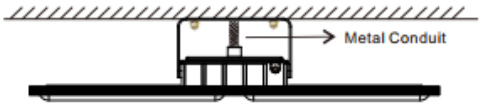


H4

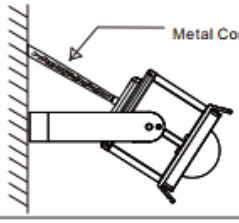


Installation Methods and Accssories

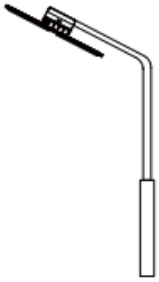
No.1: Ceiling Mounting



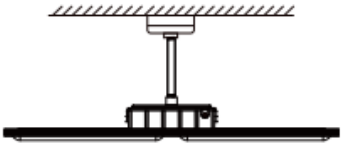
No.2: Wall Mounting

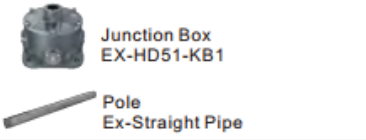


No.3: Pole Bracket Mounting

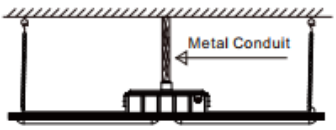


No.4: Pendant Mounting



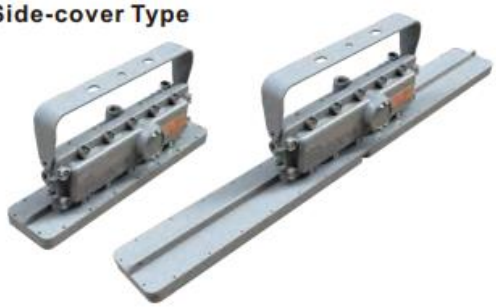


No.5: Chain Mounting



Ordinary Type

Side-cover Type



Features

Copper-free aluminum housing

Stainless steel hardware

High impact resistance design.

Replaceable LED board & driver.

Marine rated powder coating.

High explosion-proof rating for high harsh locations

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	UL Standard					
Division	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

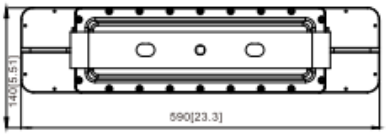
UL 844 Standard Report No.: 103498624CRT-001	Class I, Division 1, Groups C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	Ex II2 G Ex db IIB T4 Gb II2 D Ex tb IIIC T63.5°C Db IP65
IECEx Standard	Ex db IIB T4 Gb Ex tb IIIC T63.5°C Db IP65
Other Certifications	CB (Ref. Certif. No.: DE 2-038462-M1) UL1598, UL1598A, UL924, ETL, ABS, DLC
Housing Material	Copper-free Aluminum
Diffuser Material	Tempered Glass
Power Rating of I2	20/40/60W
Power Rating of I4	60/80/100/120W
CCT Range	2,700-7,000K
Voltage Range	AC100-277V; AC200-480V; DC12-36V
Efficiency	140 lm/W
Warranty	5 Years
CRI	>70
Back-up Supply Time	3 Hours
LED Package	Philips
Driver	Meanwell
Operating Temperature	-40°C to +60°C
IP/IK	IP66/IP67/IK08 (Glass Cover)/IK10 (with Wire Guard)
Other Protection	1000 Hours Salt Spray/5G Vibration

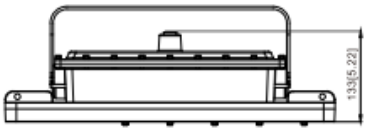
Packing Information

Model	Quantity/Carton	Packing Size (mm/inch)	N.W (kg/lb)	G.W (kg/lb)
I2	1	770x340x265mm; 30.31x13.39x10.43inch	12kg/26.46lbs	14kg/30.86lbs
I4	1	1360x340x265mm 53.54x13.39x10.43inch	18.5kg/40.79lbs	21.5kg/47.4lbs

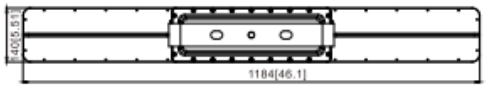
Dimension (Unit: mm/inch)

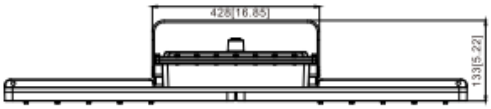
I2





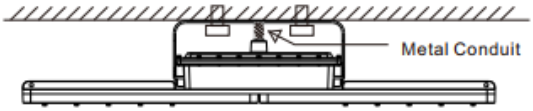
I4



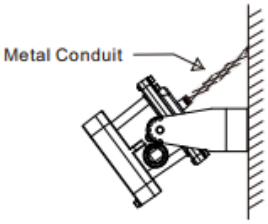


Installation Methods and Accssories

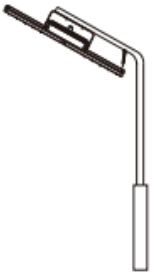
No.1: Ceiling Mounting



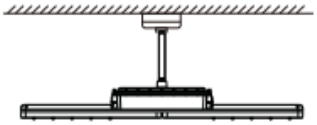
No.2: Wall Mounting



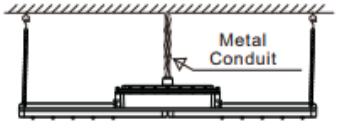
No.3: Pole Bracket Mounting

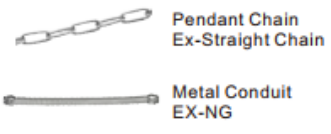


No.4: Pendant Mounting



No.5: Chain Mounting





صنع في عُمان
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Features

Suitable for Zone 1&2 (Gas), Zone 21&22 (Dust)

High luminous efficacy - Up to 120-140 lumens per watt

0-10V dimming

Waterproof and dust-proof, without internal cleaning and maintenance

Simple structure for easy and quick installation

Stainless steel fasteners, ADC12 aluminum housing, good corrosion resistance

Tempered glass, high light transmittance and impact resistance

	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

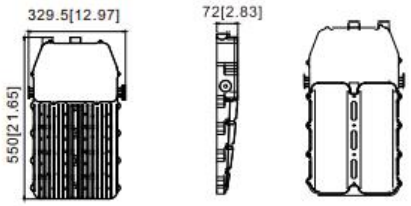
UL Standard	Class I, Division 2, Groups A, B, C, D Class II,Division1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standrd (Zone 1)	II 2 G Ex eb mb IIC T6...T4 Gb II 2 D Ex tb IIIC T95°C...T125°C Db IP66
ATEX Standrd (Zone 2)	II 3G Ex ec mb IIC T6...T4 Gc II 2D Ex tb IIIC T80°C...T125°C Db
IECEx Standrd (Zone 1)	Ex eb mb IIC T6...T4 Gb Ex tb IIIC T95°C...T125°C Db IP66
IECEx Standrd (Zone 2)	Ex ec mb IIC T6...T4 Gc Ex tb IIIC T80°C...T125°C Db
Other Certifications	UL1598, UL1598A, UL924, ETL, ABS
Housing Material	ADC12 Aluminum
Glass	Tempered Glass
Power Rating	STA1: Max. 200W; STA2: Max. 150W
CCT Range	2,700-7,000K
Voltage Range	AC120-277V, 50/60Hz
Efficiency	120-140 lm/W
Beam Angle	40°/60°/90°/120°/T3/T5
CRI	>70
Dimming	0-10V
Ambient Temperature	-40°C to +55°C
Protection	IP66/IP67IK06/IK07(without Wire Guard)/ IK09 (with Wire Guard)/1000 Hours Salt Spray

Packing Information

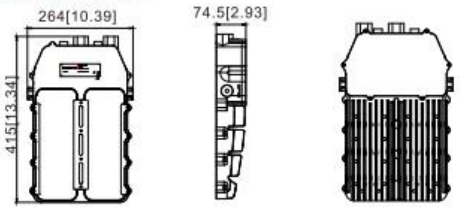
Model	Quantity/Carton	Packing Size (mm/inch)	N.W(kg/lb)	G.W(kg/lb)
EX-xxxW-STA1	1	690x380x120mm; 21.17x14.96x4.72inch	9.5 kg/ 20.94 lbs	10.5 kg/ 23.15 lbs
EX-xxxW-STA2	1	455x315x125mm; 17.91x12.4x4.92inch	6.5 kg/ 14.33 lbs	7.5 kg/ 16.53 lbs

Dimension Unit:mm[inch]

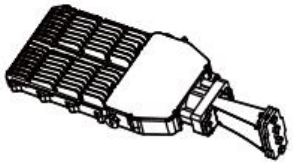
EX-xxxW-STA1

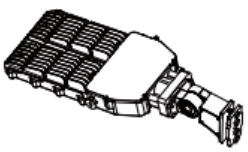
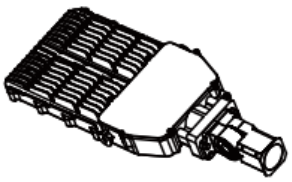
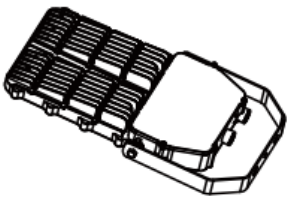
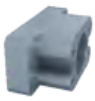
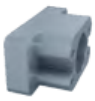


EX-xxxW-STA2



Installation Methods and Accssories

No.1: Pole Mounting	No.2: Trunnion Mounting	No.3: Arm Mounting (A)
		
Adapter bracket	Adapter bracket	Adapter bracket
Light pole mounting bracket	Trunnion mounting kit	Arm mounting kit A

No.4: Arm Mounting (B)	No.5: Slip Fitter Mounting	No.6: Bracket Mounting
		
 Adapter bracket	 Adapter bracket	
Adjustable arm mounting kit B	Slip fitter mountion kit	

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STA4

STA5

PC cover | Glass Cover | Glass Cover with Guard

Features

- Suitable for Zone 1&2 (Gas), Zone 21&22 (Dust)
- 0-10V dimming
- High luminous efficacy - Up to 110-130lm/W
- Waterproof and dust-proof, without internal cleaning and maintenance
- Simple structure for easy and quick installation
- Stainless steel fasteners, ADC12 aluminum housing, good corrosion resistance

Technical Data

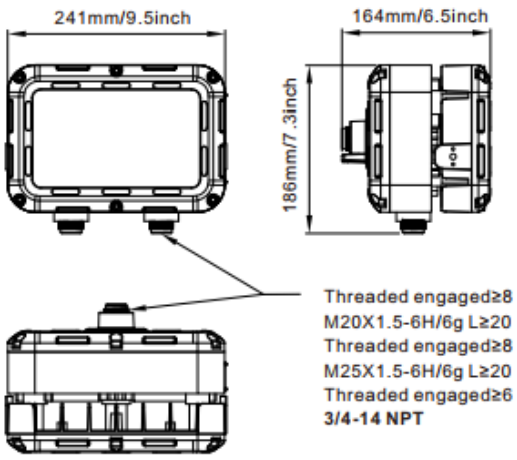
ATEX Standrd (Zone 1)	Ex II 2 G Ex eb mb IIC T6...T4 Gb Ex II 2 D Ex tb IIIC T95°C...T125°C Db IP66
ATEX Standrd (Zone 2)	Ex II 3G Ex ec mb IIC T6...T4 Gc Ex II 2D Ex tb IIIC T80°C...T125°C Db
IECEx Standrd (Zone 1)	Ex eb mb IIC T6...T4 Gb Ex tb IIIC T95°C...T125°C Db IP66
IECEx Standrd (Zone 2)	Ex ec mb IIC T6...T4 Gc Ex tb IIIC T80°C...T125°C Db
Housing Material	ADC12 Aluminum
Chip Lens	Optical-grade PC
Power Rating	STA4: 60W; STA5: 100W
CCT Range	2,700-6,500K
Voltage Range	AC100-277V/AC100-305V
Efficiency	110-130 lm/W
Beam Angle	120°
CRI	>70
Dimming	0-10V
Ambient Temperature	-40°C to +65°C
Protection	IP66/IK07
Cable Entry	M20/M25/G1/2/G3/4

Packing Information

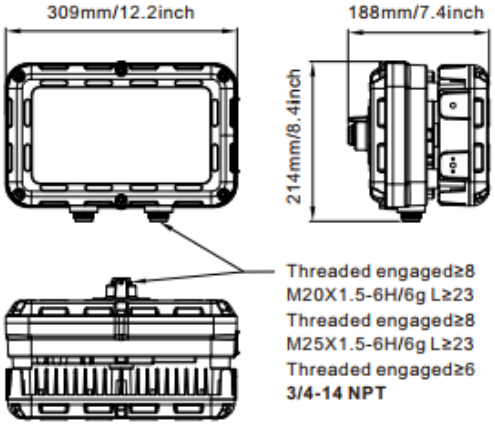
Model	Quantity/Carton	Packing Size (mm/inch)	N.W(kg/lb)	G.W(kg/lb)
STA4	1	340x276.5x320mm/ 13.4x10.9x12.6inch	5.5kg/12.1lb	6.2kg/13.6lb
STA5	1	420x270x330mm/ 16.5x10.6x13.0inch	7.25kg/16.0lb	8.5kg/18.7lb

Dimension

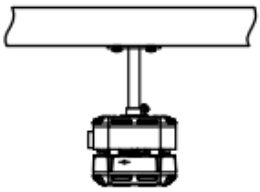
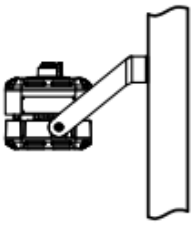
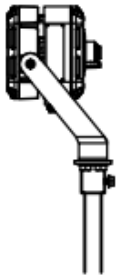
STA4



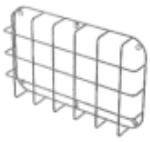
STA5



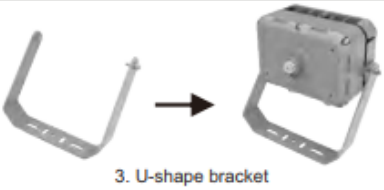
Installation Methods and Accssories

No.1: Pendant Mounting	No.2: Wall Mounting	No.3: Stanchion Mounting
		

1. PC cover



2. Wire guard



3. U-shape bracket

R2

R4

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Features

UV stabilized, impact-resistant fiberglass reinforced polycarbonate lens.
Available in two and four foot lengths.
Suitable for dead end, through feed* or single-ended "T" wiring.
Maximum total wattage for interconnection is 150W.
Replaceable LED light strip.
Optional emergency battery back-up (self-contained min. 90 minute with Push-to-test button and LED charging indicators).

	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

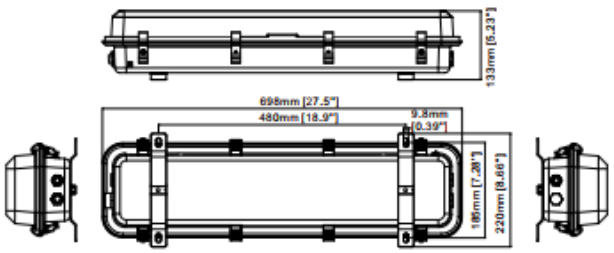
UL 844 Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 2, Groups F, G Class III
ATEX Standard	Ex II 2 G Ex db eb mb IIC T6/T5 Gb Ex II 2 D Ex tb IIIC T80°C/T95°C Db
IECEx Standard	Ex db eb mb IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db
Other Certifications	CB (Certif. No.: DE 2-028898), UL924, ABS, DLC
Housing Material	SUS 304 Stainless Steel
Cover	PC
Power Rating of R2	30/40W
Power Rating of R4	50/60W
CCT Range	2700K/4000K/5000K
Voltage Range	AC120-277V
Efficiency	136.5 lm/W
Warranty	5 Years
CRI	>80
Driver	Meanwell
Operating Temperature	-40℃ to + 45℃/60℃(Normal) -10℃ to + 45℃/60℃(Emergency)
Protection	IP66/IK10/3G Vibration/1200hrs Salt Spray
Cable Entry	Standard: 4 x NPT3/4 (Side x1 open, Side x3 with stopping plugs) W/EM: 3 x NPT3/4(Side x1 open, Side x2 with stopping plugs) x self testing button

Packing Information

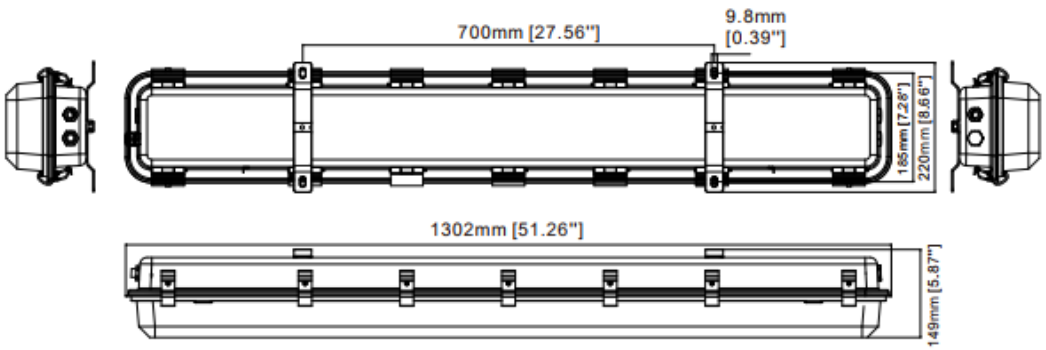
Model	Quantity/ Carton	N.W(KG)	G.W(KG)	Packing Size(mm)
R2	1	5.27 kg/11.6 lb	6.5 kg/14.33 lb	820x260x190mm/32.28x10.24x7.48 inch
R2 w/EM	1	6.5 kg/14.33 lb	7.43 kg/16.38 lb	820x260x190mm/32.28x10.24x7.48 inch
R4	1	8.92 kg/19.67 lb	10.5 kg/23.15 lb	1420x260x190mm/55.91x10.24x7.48 inch
R4 w/EM	1	10.2 kg/22.49 lb	11.54 kg/25.44 lb	1420x260x190mm/55.91x10.24x7.48 inch

Dimension Unit: inch [mm]

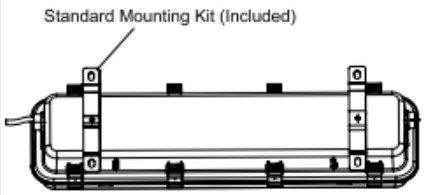
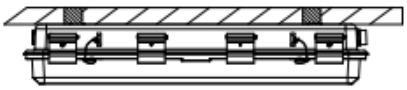
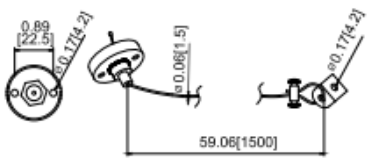
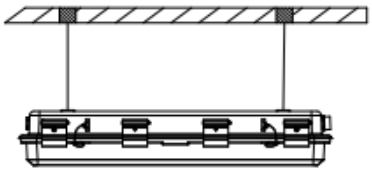
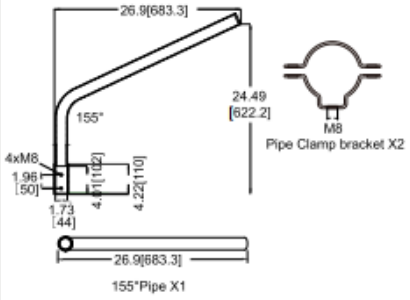
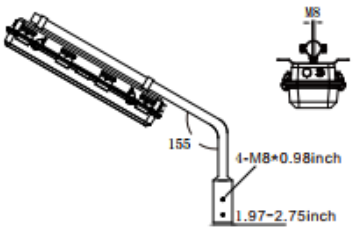
R2



R4



Mounting Methods

Options	Description	Kit(inch[mm])	Installed
Ceiling Mount	Provided with two stainless steel mounting kits welded at the back of Housing		
Rope Mount	Provided with two stainless steel wire. Measured 1 mm diameter.		
Pole Mount	(1) 155°Pipe (2) Pipe Clamp bracket		

*Mounting screws not provided

** Ordered separately, field installed

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Made in Oman

LOOX

Features

Interlock kit design.

GRP (glass fibre-reinforced polyester resin) body and PC cover.

Backup battery optional.

AC or DC power supply available.

Water-proof, vapor-proof, dust-proof, and corrosion resistant.

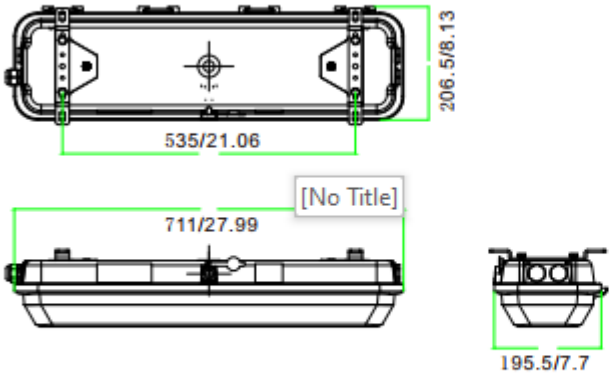
	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

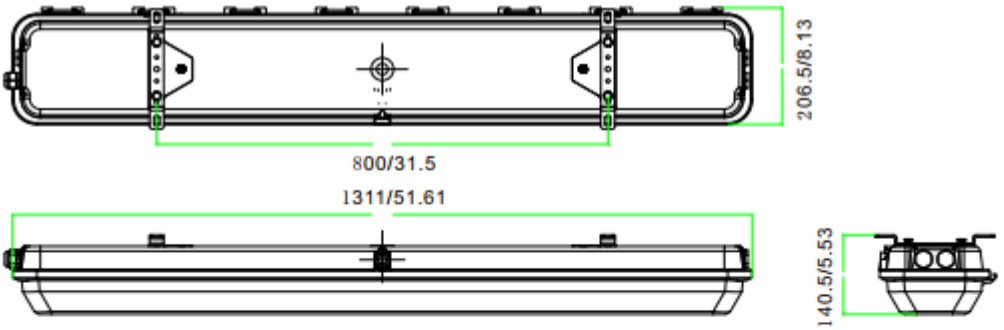
UL 844 Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 2, Groups F, G Class III
ATEX Standard	Ex II 2G Ex db eb mb IIC T6/T5 Gb Ex II 2D Ex tb IIIC T80°C/T95°C Db IP66
IECEx Standard	Ex db eb mb IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db IP66
Housing Material	PC
Cover	PC
Power Rating	RL2: 10/12/15/18/20/25/30/36/40W RL4: 20/25/30/36/40/48/50/54/60W
CCT Range	2700-6500K
Voltage Range	AC100-277V, 50/60Hz
Efficiency	130 lm/W
Fixed Lumens in Emergency	1200 lumens
Emergency Time	180 minutes
Warranty	5 Years
CRI	>70
Driver	Meanwell
Operating Temperature	-40℃ to + 45℃/60℃(Normal) -10℃ to + 45℃/60℃(Emergency)
IP	IP66

Dimension Unit: inch [mm]

RL2



RL4



Packing Information

Model	Quantity/Carton	Packing Size	N.W	G.W
RL2	1	800x250x170mm [31.5x9.84x6.7inch]	4 kg/8.82 lbs	5 kg/11.02 lbs
RL4	1	1400x250x175mm [55.12x9.84x6.89inch]	8 kg/17.64 lbs	10.7 kg/23.59 lbs

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Made in Oman

LOOX

WKC1

WKC2

Features

Safe and reliable.

Strong impact resistance.

Environmental friendly.

Easily switch between different modes.

Handy, portable and magnet adsorption.

Technical Data

ATEX Standard	Ex II 3GD Ex ec ic IIC T4 Gc Ex ic tc IIIC T135°C Dc
IECEx Standard	Ex ec ic IIC T4 Gc Ex ic tc IIIC T135°C Dc
Housing Material	PC
Lens	Glass/PC
Power Rating	10W
CCT	2,200-7,000K
Voltage Range	100-240V
Lumens(Lm)	EX-xxxW-WKC1YZDA: 1,000 EX-xxxW-WKC2YZDA: 1,170
Warranty	5 Years
CRI	>70
IP	IP65
Operating Temperature	-20℃ to +60℃

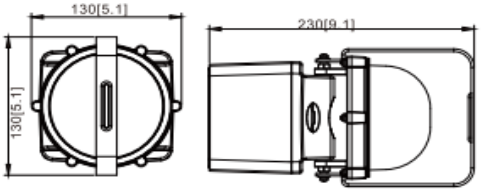
Packing Information

Model	Quantity/Carton	Packing Size (mm)	N.W(KG)	G.W (KG)
EX-xxxW-WKC1YZDA	1	260×250×140	1.4	1.9
EX-xxxW-WKC2YZDA	1	290×260×140	1.4	1.8

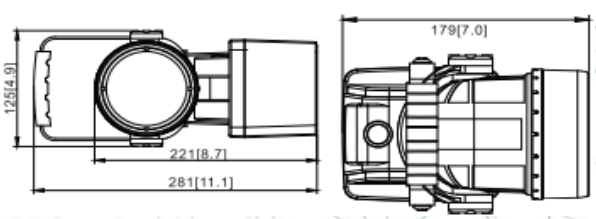
Dimension

Unit: mm or inch

EX-xxxW-WKC1YZDA



EX-xxxW-WKC2YZDA



Features

ATEX and IECEx certified
Approved for explosive Gas and Dust atmospheres
Ultra bright high power LED light 350+ lumens.
Spot and flood switchable beam options.
Up to 11 hours duration on full power, 22 hours in signal light mode.
T4 temperature class.

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Made in Oman

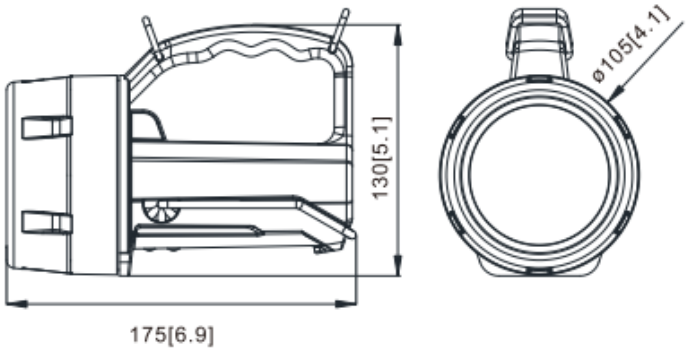
	UL Standard					
Zone	0	1	2	20	21	22
For use in	×	×	×	×	×	×

Technical Data

UL Standard	Class I, Division 1, Groups A, B, C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	Ex I M1 Ex ia I Ma Ex II 1G/2D Ex ia IIC T4 Ga Ex ib IIIC T135°C Db
IECEx Standard	Ex ia I Ma, Ex ia IIC T4 Ga, Ex ib IIIC T135°C Db
Area of Classification(Gas)	Zones 0,1 and 2 Gas Groups IIA, IIB & IIC
Temp. Classification(Gas)	T4
Area of Classification (Dust)	Zones 20, 21 and 22 Dust Groups IIIA, IIIB and IIIC
Max. Surface Temperature (Dust)	135°C
Type of Protection	"ia" intrinsic safety
Ambient Temperature	-30°C to +40°C
Enclosure	Impact resistant thermoplastic, electrostatic non-hazardous
Lens	Toughened Glass
Beam Type	Spot/Flood/Signal
Light Source	EX-002W-WKE-RY: 2 x White, 1 x Red, 1 x Yellow EX-002W-WKE-RG: 2 x White, 1 x Red, 1 x Green EX-002W-WKE-YG: 2 x White, 1 x Yellow, 1 x Green
Light Source Output	>350 lm(White)
Light Source Life	>25,000 Hours
Power Source Type	Rechargeable Battery, Lithium-Ion
Power Source Life	Up to 500 Recharge Cycles
Light Duration	Up to 11/22 hrs
Ingress Protection	IP67
Weight	1.0kg
Compatible Charger	AC90-264V
Recharge Time	4.5 hrs

Dimension

Unit: mm or inch



Packing Information

Model	Quantity/Carton	Packing Size(mm)	N.W(KG)	G.W(KG)
EX-002W-WKE-RY/RG/YG	1	300x190x130	1.33	1.62

صنع في عُمان
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Features

ATEX and IECEx certified for use in Gas Zones 1 & 2 and Dust Zones 21 & 22

T4 temperature class

210Lm high power LED for outstanding light output

Lightweight, ergonomic design

Proven impact resistance

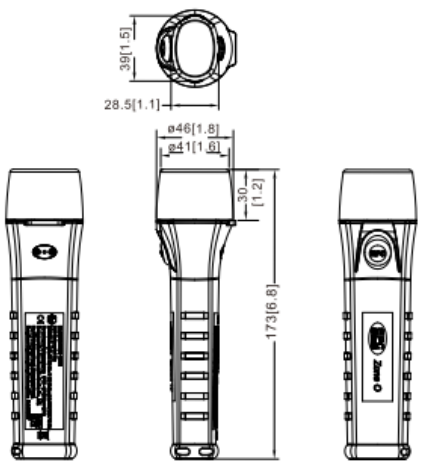
Single handed switching. Switch protection shroud

Group I Mining Approval

Technical Data

ATEX Standard	I M1 Ex ia op is I Ma II 1G Ex ia op is IIC T4 Ga II 1D Ex ia op is IIIC T130℃ Da
IECEx Standard	Ex ia op is I Ma Ex ia op is IIC T4 Ga Ex ia op is IIIC T130℃ Da
Max. Surface Temperature (Dust)	130°C
Temp. Classification(Gas)	T4
Ingress Protection	IP67
Ambient Temperature	-40°C to +40°C
Power Rating	2W
All Sealing Gasket	COT: -40°C to +200°C
Run Time	7 Hours
Battery Type	Alkaline Zinc Vigorous Dry Battery
Battery Capacity	4x1.5V, 2000mAh
Wattage	2W

Dimension Unit: mm[inch]



Packing Information

Quantity/ Carton	Packing Size(mm)	N.W(KG)	G.W(KG)
1	270x100x55	0.206	0.24

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Features

High performance, most cost-effective LED canopy fixture in the market.

High Lumen per watt, tremendous flexibilitis in how you light your site.

Lumens availability can be up to 21, 000 lumens.

Better and reasonable light distribution, more illumination on your dispensers.

ABS certified.

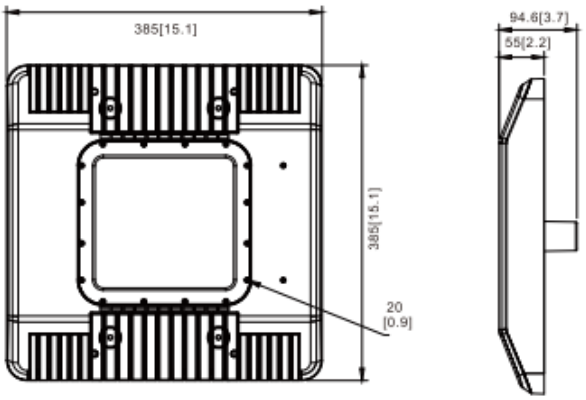
	UL Standard					
Zone	0	1	2	20	21	22
For use in			×		×	×

Technical Data

UL 844 Standard	Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
ATEX Standard	II2 G Ex eb op is IIC T5/T6 GC II2 D Ex op is tb IIIC T80°C Db
IECEx Standard	Ex ec op is IIC T6/T5/T4/T3 Gc Ex op is tb IIIC T80°C/T95°C/T130°C/T195°C Db
Housing Material	Copper Free Aluminum
Lens	Glass
Power Rating	40/60/80/100/120/150W
CCT	2,200-7,000K
Voltage Range	AC100-277/DC36V
Lumens(lm)	5,600/8,400/11,200/21,000
Warranty	5 years
CRI	>70
LED Package	Philips
Driver	Meanwell
Operating Temperature	-40℃ to +60℃
IP	IP66

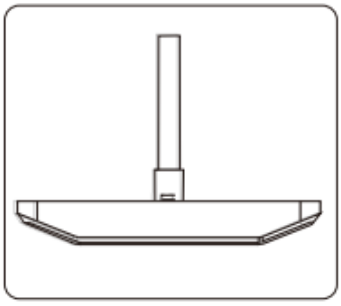
Dimension

Unit: mm or inch

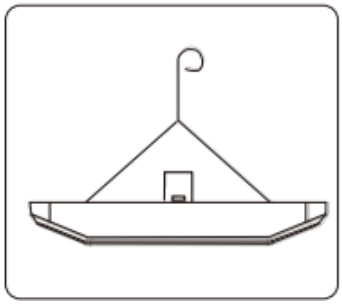


Mounting Methods

No.1: Stanchion Mounting



No.2: Pendant Mounting



Accessories and Spare Parts

No.	Parts	Parts Photo	Mounting Type	Qty
1	Pole Ex-Straight Pipe		01	1
2	Pendant Chain Ex-Straight Chain		02	1

Packing Information

Model	Quantity/Carton	Packing Size (mm)	N.W(KG)	G.W (KG)
CPA	2	460×470×310	8.23	9

Features

High luminous efficacy - Up to 133 lumens per watt
Rugged and compact construction design
Available in three lengths
ATEX and IECEx certified
Designed for use in Zone 1, 2, 21 and 22 areas
Emergency function optional

	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

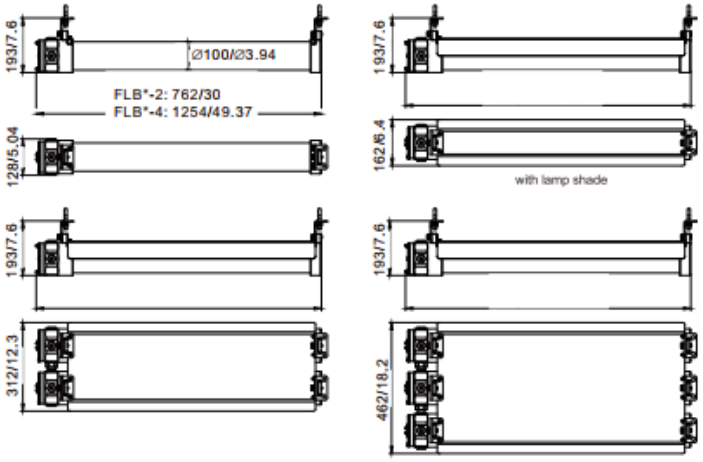
Technical Data

ATEX	Ex II2 G Ex eb db mb IIC T6/T5 Gb Ex II2 D Ex tb IIIC T80°C / T90°C Db IP66
IECEx	Ex eb db mb IIC T6/T5 Gb Ex tb IIIC T80°C / T90°C Db IP66
Standard	EN 60079-0,EN 60079-1,EN 60079-7, EN 60079-18, EN60079-31 IEC 60079-0,IEC 60079-1,IEC 60079-7, IEC 60079-18, IEC 60079-31
Housing Material	ADC12 Aluminum/SUS304/PC
Diffuser Material	Glass/PC
Power Rating	0.6 meters: max 20W, 2X20W, 3X20W 1.2 meters: max 30W, 2X30W, 3X30W 1.5 meters: max 40W, 2X40W, 3X40W
CCT	3,000K-6,500K
Voltage Range	AC100-277V, 50/60Hz or DC12-48V
Optical Efficacy	133 lm/W
Warranty	5 Years
CRI	>70
Emergency Power	3 Hours
LED Package	Philips/Meanwell
Ambient Temperature	0.6 meters: -40°C to +45°C 1.2 meters: -40°C to +55°C 1.5 meters: -40°C to +60°C
IP / IK	IP66/IK10 (Enclosures)/IK08 (Glass)

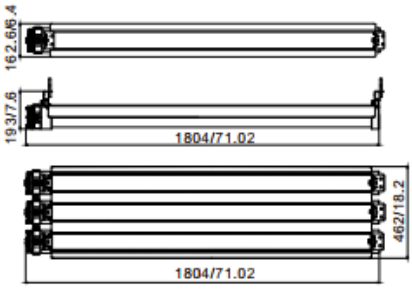
Dimension

Unit: mm/inch

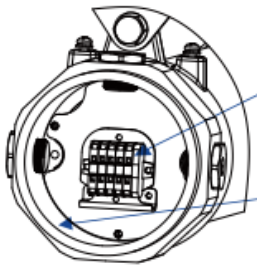
EX-*W RFLB*-2YZD-bb-cc**
EX-*W RFLB*-4YZD-bb-cc**



EX-*W RFLB*-5YZD-bb-cc**



Structure Feature



This chamber is an increased safety "e" chamber, and an increased safety "e" terminal is used.

The cover is opened by thread, which is more convenient than fastening with screws, takes less time, and does not need additional technical support.

1. The explosion-proof type type of wiring chamber can be "Ex e" explosion-proof type. See Figure.
2. The opening mode of the wiring chamber cover is threaded connection, which is convenient for incoming wire and wiring.
3. The structure can save additional incoming junction box for users.
4. Method of construction: Housing in one piece with high mechanical and chemical resistance. Long-lasting imperviousness by screw fitting.

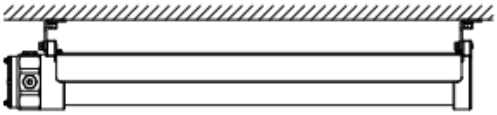
Packing Information

Model	Net Weight*	Quantity/ Carton	Gross Weight*	Package Dimensions (LxWxH)
FLB1-2 (1 piece, 0.6 meters)	8.5kg/18.7lb	1 pc	9.8kg/21.6lb	878x225x410mm/34.5x8.8x16.1inch
FLB2-2 (2 pieces, 0.6 meters)	18.5kg/40.8lb	1 pc	20.0kg/44.1lb	967x467x430mm/38.1x18.4x16.9inch
FLB3-2 (3 pieces, 0.6 meters)	21.3kg/47.0lb	1 pc	22.5kg/49.6lb	967x617x430mm/38.1x24.3x16.9inch
FLB1-4 (1 piece, 1.2 meters)	9.5kg/20.9lb	1 pc	10.3kg/22.7lb	1478x225x410mm/58.2x8.8x16.1inch
FLB2-4 (2 pieces, 1.2 meters)	20.0kg/44.1lb	1 pc	21.3kg/47.0lb	1567x467x430mm/61.7x18.4x16.9inch
FLB3-4 (3 pieces, 1.2 meters)	29.0kg/63.9lb	1 pc	30.5kg/67.2lb	1567x617x430mm/61.7x24.3x16.9inch
FLB1-5 (1 piece, 1.5 meters)	34.5kg/76.0lb	1 pc	36.3kg/80.0lb	1918x225x410mm/75.5x8.8x16.1inch
FLB2-5 (2 pieces, 1.5 meters)	40.1kg/88.4lb	1 pc	41.6kg/91.7lb	2028x467x430mm/79.8x18.4x16.9inch
FLB3-5 (3 pieces, 1.5 meters)	55kg/121.25lb	1 pc	56.3kg/124.1lb	2028x617x430mm/79.8x24.3x16.9inch

Please note that net weight and gross weight may be subject to change because of actual configuration.

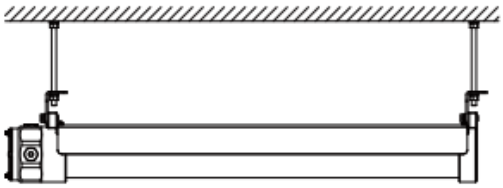
Mounting Methods and Accessories

No.1: Ceiling Mounting



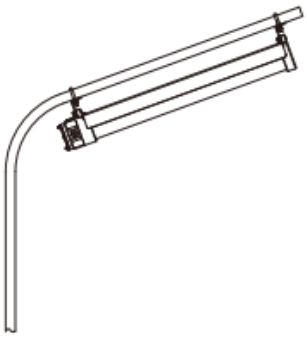
Mounting Plate
Quantity:
1P: 2
2P: 4
3P: 4

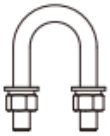
No.2: Pendant Mounting



Mounting Plate
Quantity:
1P: 2
2P: 4
3P: 4

No.3: Pole Mounting





U Type Pipe Clamp
Quantity:
1P: 2
2P: 4
3P: 4

Mounting Plate
Quantity:
1P: 2
2P: 4
3P: 4

304 Column Mounting Fixing Straps
Quantity:
1P: 2
2P: 4
3P: 4

FLC2

FLC4

FLC5

صنع في عُمان
Made in Oman

Features

High luminous efficacy - Up to 130 lumens per watt

0-10V dimming

Great impact resistance with IK10 certified

Beam angles are optional from 40°, 60° and 90°

Die-cast aluminum body and frame-corrosion resistant

Emergency model optional - 3-hour emergency time

Professional light distribution design delivers uniform and comfortable lighting

	UL Standard					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

Technical Data

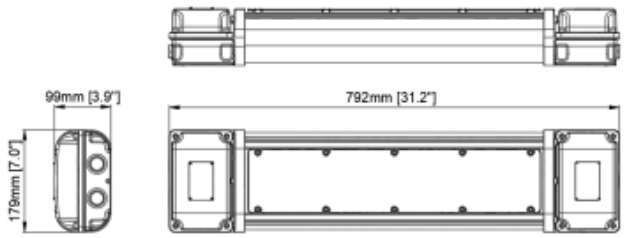
ATEX Standard	ATEX Directive 2014/34/EU: II 2 G Ex eb mb IIC T6...T4 Gb II 2 D Ex tb IIIC T80°C...T120°C Db IP66 II 3 G Ex ec IIC T6...T4 Gc
Ex-60079	EN 60079-0, EN-60079-7, EN-60079-18, EN-60079-31
Housing Material	Die-cast Aluminum and A6061
Cover Material	Fireproof Transparent PC
Voltage	AC100-277V, 50/60Hz; DC36V
Wattage	EX-20/40W-FLC2AZDA: 20/40W; EX-50/80W-FLC4AZDA: 50/80W; EX-50/80W-FLC5AZDA: 50/80W;
Lumen Efficiency	130 lm/W
CCT	2,700-6,500K
CRI	>70
Beam Angle	40°/60°/90°
Ambient Temperature	-40°C to +65°C
IP	IP66
IK	IK10
Dimming	0-10V

Packing Information

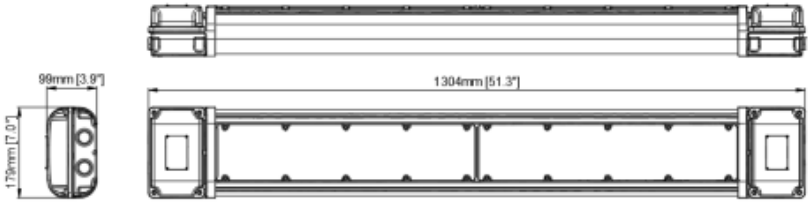
Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
EX-xxxW-FLC2 AZDA	1	890x250x160mm/ 35.04x9.84x6.30inch	7.5kg/16.53lb	9.5kg/20.94lb
EX-xxxW-FLC4 AZDA	1	1400x250x160mm/ 55.12x9.84x6.30inch	15kg/33.07lb	17kg/37.48lb
EX-xxxW-FLC5 AZDA	1	1700x250x160mm/ 66.92x9.84x6.30inch	17.5kg/38.5lb	20kg/44lb

Dimension

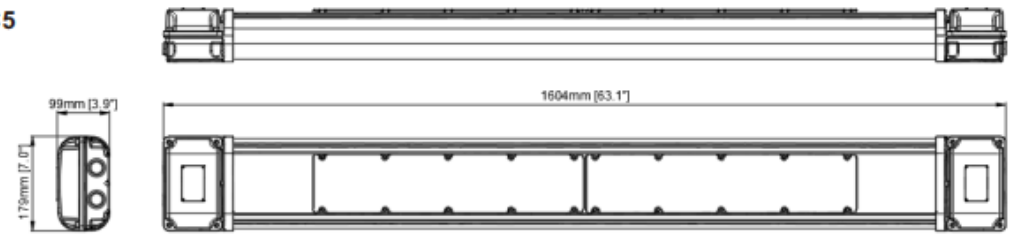
FLC2



FLC4

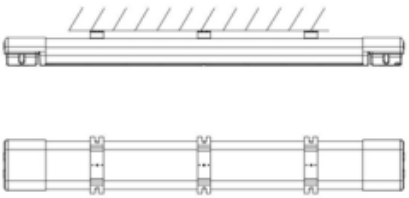


FLC5



Mounting Methods

No. 1: Bracket Surface Mounting



No. 2: Hook and Rope Mounting

No. 3: Pole Mounting

صنع في عُمان
Made in Oman

Features

ATEX and IECEx certified
Plastic body and frame-corrosion resistant
Easy for angle adjustment
Portable working and emergency light
High luminous efficacy-Up to 1600 Lm

	UL Standard					
Zone	0	1	2	20	21	22
For use in	×	×	×			

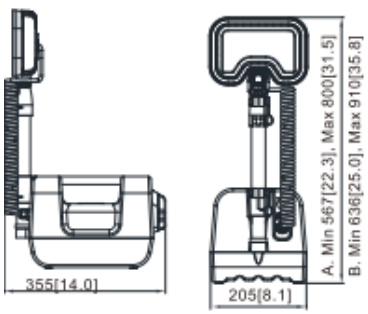
Technical Data

UL Standard	Class I, Division 1, Groups A, B, C and D, T4 Ex ia IIC T4 Ga Class I, Zone 0, AEx ia IIC T4 Ga
ATEX Standard	Ex II 1G Ex ia IIC T4 Ga
IECEx Standard	Ex ia IIC T4 Ga
Housing Material	Plastic
Power Rating	19.5W(Max.)
Output Power	<19.5W: 1,600 lm(Strong Light); 9.5W: ≥500 lm(Working Light)
CCT Range	3000K/4000K/5000K/6500K
Voltage Rating	10.8V(Battery); AC100V/277V(Charger)
Charging Voltage	DC 10.8V-14.4V
Battery Capacity	10.8V, 9Ah
Working Time	10h(Max.)
Lumens	1,600 lm(Max.)
Beam Angle	125 Degrees
Lamp Adjustment Angle	0°-360°
Operating Temperature	-20℃ to +40℃
IP	IP20/IP66

Packing Information

Model	Quantity/Carton	Package Size(mm)	N.W(KG)	G.W(KG)
EX-MV01	1	568×351×365	6.9kg	7.25kg

Dimension Unit:mm[inch]



صنع في عُمان
Made in Oman

Features

ATEX and IECEx Certified
Dual seal, suitable for armored cable.
Degree of protection: IP66/IP68.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		×	×		×	×

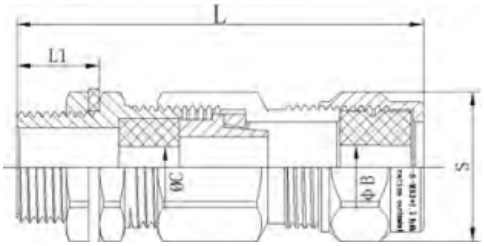
Technical Data

Marking ATEX	Ex II2 GD Ex eb IIC Gb/ Ex db IIC Gb Ex Ex tb IIIC Db IP66/IP68
Marking IECEx	Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Standards	EN60079-0, EN60079-1, EN60079-7, EN60079-31, IEC 60079-0, IEC60079-1, IEC60079-7, IEC60079-31
Ambient Temperature	-50℃ ≦ Tamb ≦ +80℃
Connection Thread	Metric Thread, NPT Thread

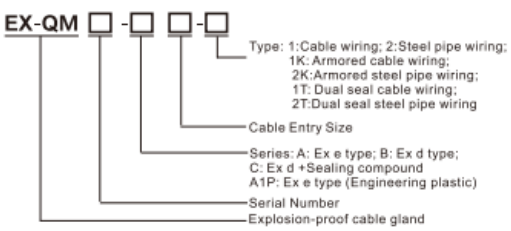
Selection table of Cable gland

Gland Size	Available Entry Thread (mm)		Overall cable diameter ΦB(mm)		Overall cable diameter ΦC(mm)		Minimum Thread Length L1(mm)	Total length L(mm)	Across Flats/Corner S(Φ) (mm)
	Metric	NPT	Min	Max	Min	Max			
16	M16 X 1.5	NPT3/8	7	16	5	8	15	71	24(27)
20	M20 X 1.5	NPT1/2	7	16	5	10	15	71	24(27)
25	M25 X 1.5	NPT3/4	14	20	8	15	15	72	30(33)
32	M32 X 1.5	NPT 1	18	25	11	20	17	79	36(39)
40	M40 X 1.5	NPT1 1/4	24	33	14	27	19	88	45(50)
50	M50 X 1.5	NPT1 1/2	31	40	20	32	19	89	55(60)
63	M63 X 1.5	NPT 2	41	50	30	43	22	98	68(73)
75	M75 X 1.5	NPT2 1/2	52	63	42	45	22	104	86(89)
90	M90 X 1.5	NPT3-1/2	65	76	52	65	23	116	96(99)

Schematic Diagrams



Ordering Guide



صنع في عُمان
Made in Oman

Features

Emergency back-up battery available. Emergency time: 1.5 hours/3 hours.
Smart control: built-in motion sensor.
Power adjustable.
CCT tunable: 3000K/4000K/5000K or 4000K/5000K/6000K.
High lumen efficiency (three options): 130lm/W, 170lm/W, 190lm/W.
Energy saving up to 80-85%.
Equipped with reflector (optional accessories).
Compatible with Zhaga Socket (optional).

Application

Warehouse, airports, exhibition centers, shopping centers, supermarkets, stadiums, toll stations, subways, etc.

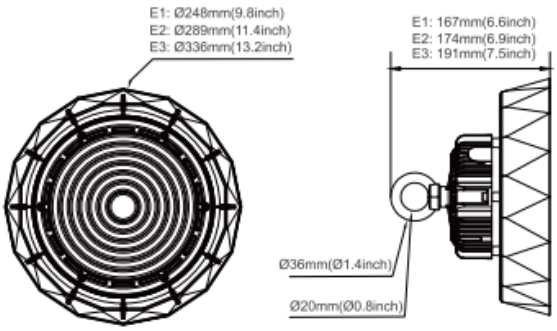
Technical Data

Model:	U-100WE1 YZTXX	U-150WE2 YZTXX	U-200WE3 YZTXX
Rated Wattage(W):	100(100/180/50 Adjustable)	150(150/100/80 Adjustable)	200(200/150/100 Adjustable) 240(240/200/150 Adjustable)
Efficiency (lm/W)	130/170/190	130/170/190	130/170/190
Dimension(mm):	Φ248×H167	Φ289×174	Φ336×191
Voltage:	100-277V/120-347V		
CRI:	70/80(optional)		
CCT:	2,200/2,700/3,000/4,000/4,500/5,000K/5,500/6,500K		
Compliance:	DLC/ETL/CE/CB/ENEC/EMC/SAA		
Beam Angle(Deg):	60°/90°/120°		
Power Factor:	>0.9		
Ambient Temperature:	-40°F (-40°C) to 122°F(+50°C)		
Protection Class:	IP65		

Package Information

Model	Net Weight	Gross Weight	Package Size(L×W×H)	PC/Carton
E1	2.1KG	2.6KG	294×294×180mm	1
E2	2.6KG	3.3KG	336×336×200mm	1
E3	3.6KG	4.5KG	387×387×210mm	1

Dimensions



Mounting

Chain Hook

Built-in power supply

External power supply

Features

GB/RGBW optional

External power supply and built-in power supply are optional

DALI, DMX512, RDM wireless control, 0-10V dimming

Cold forging 1050 aluminum housing with polyester powder coated finish, excellent heat dissipation and corrosion resistance

Laser aiming device (optional) provides precise control in angling and aiming to exact optimal position

Special circuit design for each module part to work separately

High-quality optical material and various light distribution angles deliver ideal illumination and visual comfort

صنع في عُمان
Made in Oman

Technical Data

Model	J1	J2
Wattage	300/400/500/600W	720/800/1000/1200W
Efficiency (CRI:Ra70)	300W: 170lm/W, 400W: 165lm/W 500W: 160lm/W, 600W: 155lm/W	720W: 165lm/W, 800W: 160lm/W 1000W:150lm/W, 1200W: 135lm/W
Efficiency (CRI:Ra80)	300W: 153lm/W, 400W: 148lm/W 500W: 144lm/W, 600W: 140lm/W	720W: 148lm/W, 800W: 144lm/W 1000W:135lm/W, 1200W: 120lm/W
Power Supply	Inventronics/Sosen	
Input Voltage	AC120-277V/120-347V/277-480V	
Power Factor	0.95	
Total Harmonic	<15%	
LED Type	5050 (3737 for 15° beam angle*)	
CCT	2700K-6500K/RGB/RGBW	
Intelligent Control	DMX512/RDM/DALI	
CRI	Ra70(Standard); Ra80(Optional)	
Beam Angle	15°/20°/30°/45°/60°	15°/20°/25°/40°/60°/80°
Lifespan	50,000 Hours	
Ingress Protection	IP66	
IK Rating	IK09	
Surge Protection	10kV (Standard) /20kV (Optional)	
Ambient Temp.	-40°C to 50°C (-40°F to 122°F)	
Housing	Cold Forging Aluminum (Al1050)	
Lens Material	Anti-UV PC Optical Material	

EPA

J1: 300-600W

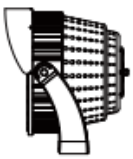
EPA: 1.25

EPA: 1.16

EPA: 1.57

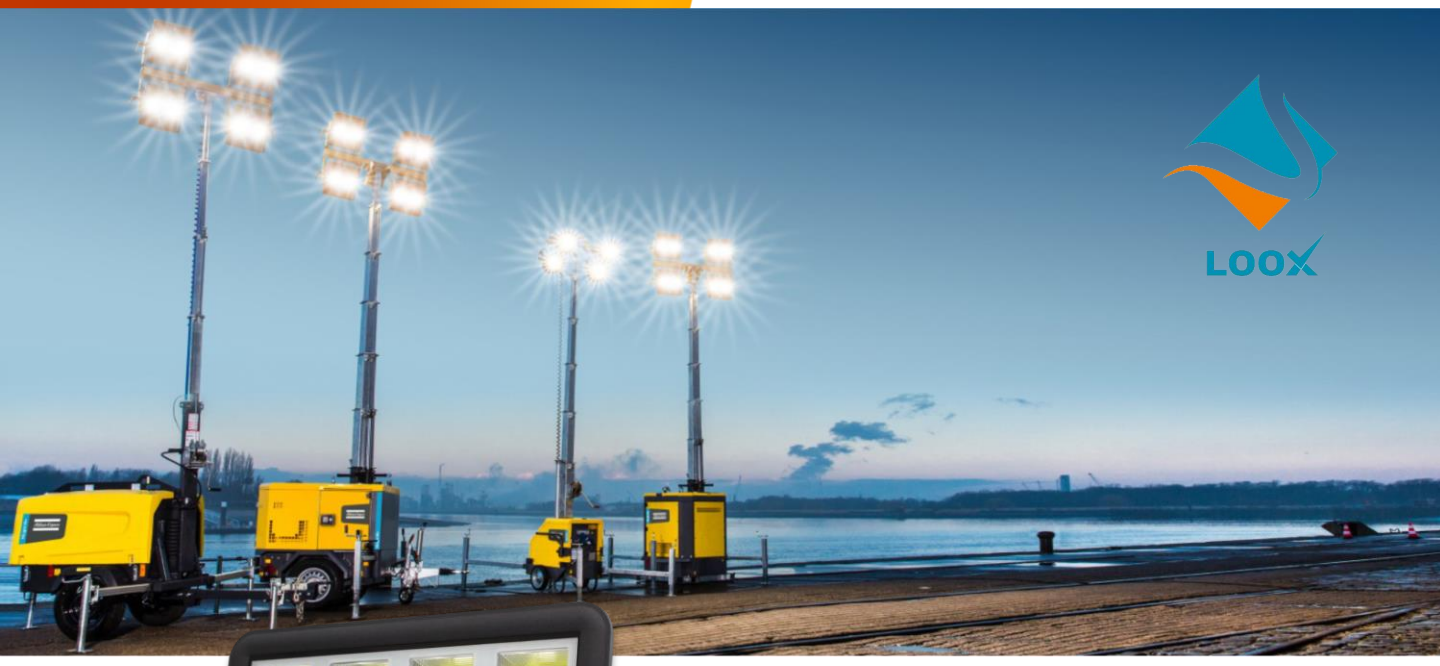
J2: 720-1200W

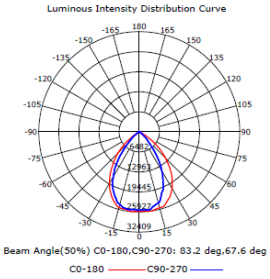
EPA: 2.01

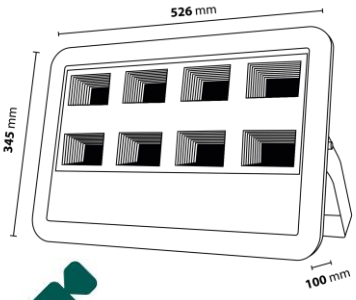


EPA: 1.72

EPA: 1.97







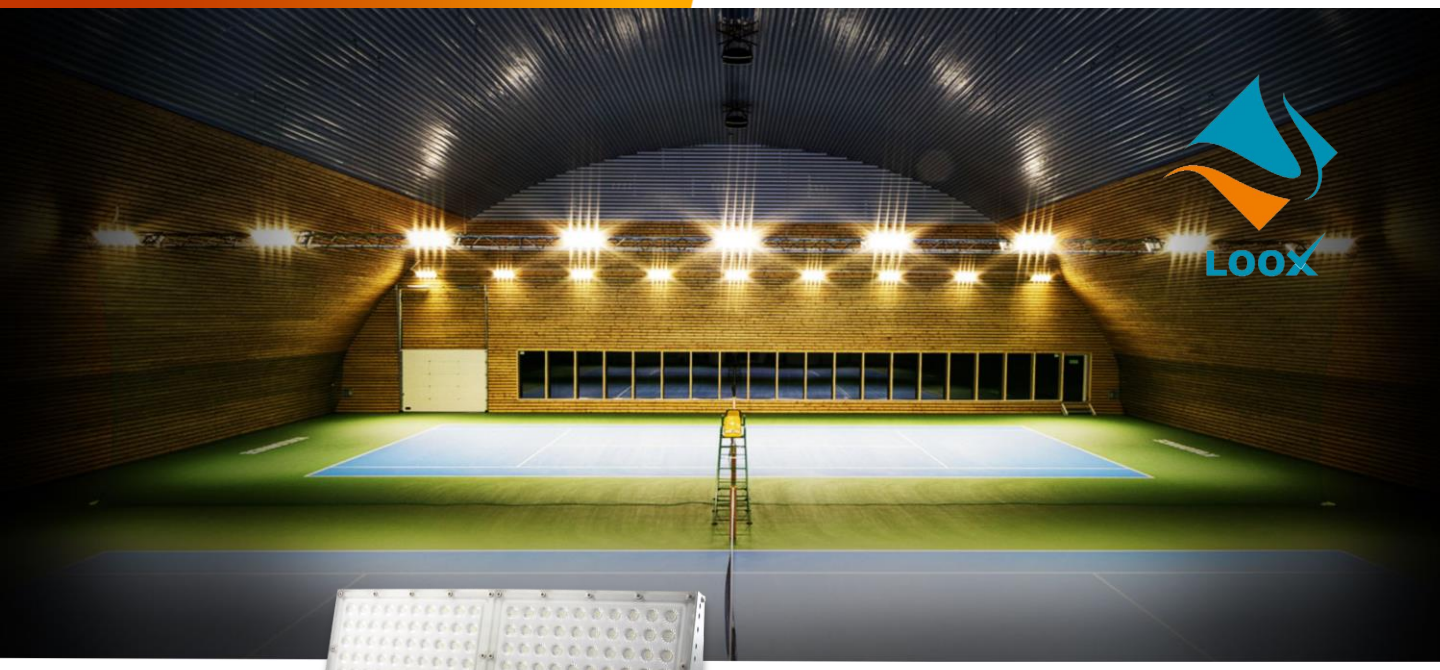
صنع في عُمان
Made in Oman

PRODUCT PARAMETERS

VOLTAGE	AC100-265V
CRI	Ra>70
POWER FACTOR	PF>0.95
LIFE SPAN	50000H
BEAM ANGLE	120°
IP	65
GUARANTEE	3YEARS

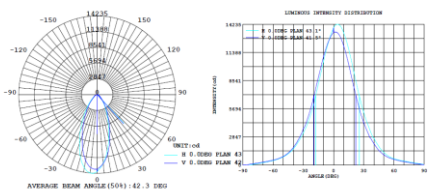
POWER(W)	LUMEN(LM)	CCT	BODY SIZE(MM)
300	30000	6500K	433*335*100
400	40000	6500K	526*345*100

SMD FLOOD LIGHT
BINA SERIES



PRODUCT PARAMETERS

VOLTAGE	AC85-265V
CRI	Ra>70
POWER FACTOR	PF>0.95
LIFE SPAN	50000H
BEAM ANGLE	120°
IP	65
GUARANTEE	3YEARS



صنع في عُمان
Made in Oman

POWER(W)	LUMEN(LM)	CCT	BODY SIZE(MM)
50	5000	6500K	207*132*54
100	10000	6500K	207*264*54
200	20000	6500K	405*264*54

COB FLOOD LIGHT

CRYSTAL FLASH OPTICAL ELECTRONIC TECHNOLOGY

3 Year Guarantee

صنع في عُمان
Made in Oman

POWER(W)	VOLTAGE(V)	CCT	IP	BODY SIZE (MM)
1*10	AC85-265	2700K-6500K	65	95*95
4*7	AC85-265	2700K-6500K	65	150*95

WWW.CRYSTALFLASHCO.COM

LOOXLUMINATION

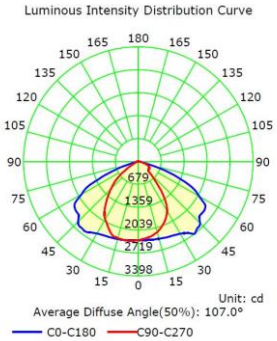
BACK

SMD STREET LIGHT

CRYSTAL FLASH OPTICAL ELECTRONIC TECHNOLOGY

100W

50W



صنع في عُمان
Made in Oman

PRODUCT PARAMETERS

VOLTAGE	AC85-265V
CRI	Ra>70
POWER FACTOR	PF>0.95
LIFE SPAN	50000H
BEAM ANGLE	120°
IP	65
GUARANTEE	5YEARS

OSRAM PHILIPS MEAN WELL

POWER(W)	LUMEN(LM)	CCT	BODY SIZE(MM)
50	5000	6500K	385*310*75
100	10000	6500K	545*305*95

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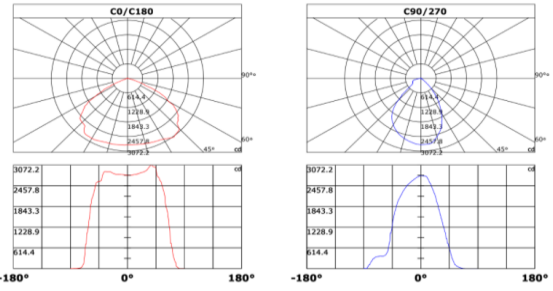
LOOXLUMINATION

BACK

SMD STREET LIGHT

CRYSTAL FLASH OPTICAL ELECTRONIC TECHNOLOGY

صنع في عُمان
Made in Oman



PRODUCT PARAMETERS

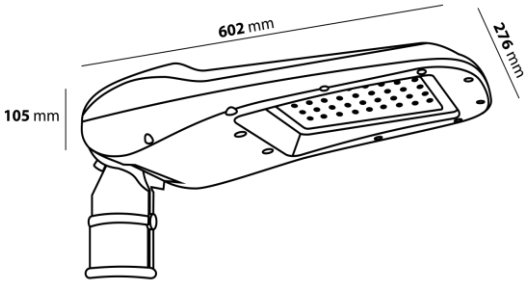
VOLTAGE	AC85-265V
CRI	Ra>70
POWER FACTOR	PF>0.95
LIFE SPAN	50000H
BEAM ANGLE	120°
IP	65
GUARANTEE	5YEARS

OSRAM PHILIPS MEAN WELL

POWER(W)	LUMEN(LM)	CCT	BODY SIZE(MM)
50	5500	6500K	520*212*90
100	11000	6500K	630*250*170
150	16500	6500K	700*295*170

DIMMABLE SMD STREET LIGHT

صنع في عُمان
Made in Oman



PRODUCT PARAMETERS

VOLTAGE	AC85-265V
CRI	Ra>85
POWER FACTOR	PF>0.95
LIFE SPAN	50000H
BEAM ANGLE	85*150° 70*140°
IP	66
GUARANTEE	5YEARS

OSRAM PHILIPS MEAN WELL

POWER(W)	LUMEN(LM)	CCT
150	18000	6500K

SMART SOLAR POLE LIGHT

BACK

Smart Solar Pole Light

- Original Design
- ODM and OEM (Creations Welcomed)
- Intelligent Customized Software

صنع في عُمان
Made in Oman

Advantage

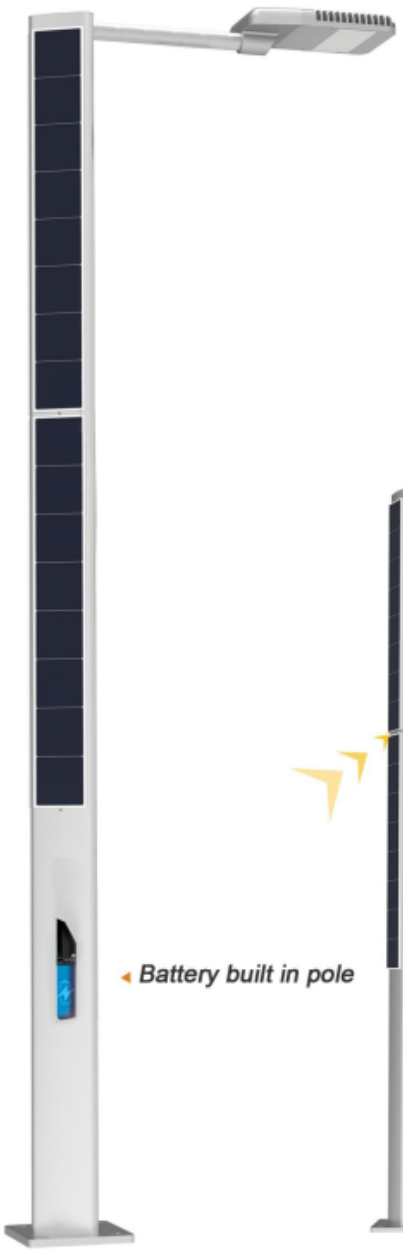
- Intelligent Lighting
- SOS Button
- 5G Ready
- Release Information
- Public Broadcasting
- Touching Screen
- Environment & Meteorology
- Video Surveillance

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
Smart Solar Pole	10000LM	160W	6M	18M-20M	126KG

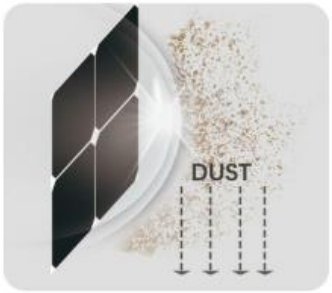
STAND-ALONE SOLAR POLE LIGHT

BACK

HELIOS



- Vertical PV system,No dirt and dust
- Modular design,Quick and Easy Installation
- Triangular shape can withstand high wind speed



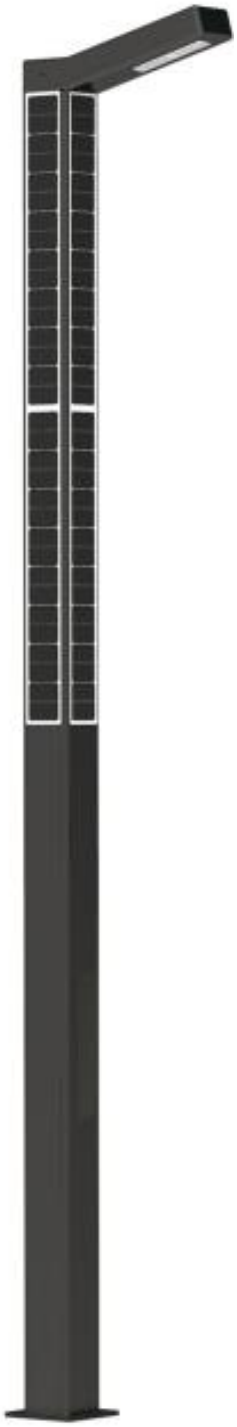
صنع في عُمان
Made in Oman

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
H5	10000LM	80W	5M	18M-20M	93.1KG
H6	15000LM	100W	6M	22M-24M	106.6KG
H8	18000LM	200W	8M	30M-32M	126.4KG
H10	24000LM	250W	10M	35M-40M	151.9KG

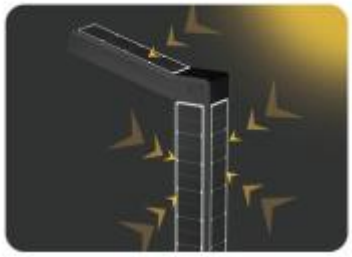
SOLAR OUTDOOR POLE LIGHT

BACK

SQUARE HELIOS



- Lights Stay on All Year Round
- High wind resistance
- European design style



صنع في عُمان
Made in Oman

Dustproof (vertical installation)

Battery placed inside pole

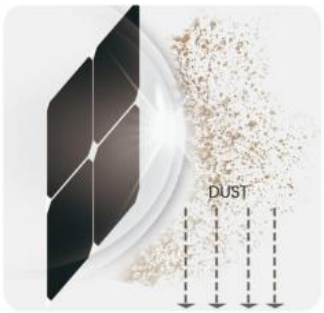
Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
Square Helios	10000-12000LM	320W	6M	10M-15M	156KG

WRAPPING SOLAR SYSTEM

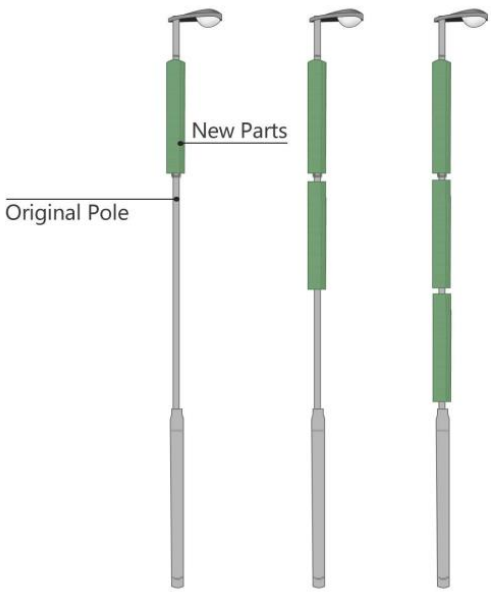
BACK

Transformer

- Can be installed directly on the original street light, no need to replace the entire light
- Complementary utility power can be transferred directly to solar supply
- Ensures 50% of solar panel will face to sunshine at any time of the day
- Never snow covering, and easy to clean



صنع في عُمان
Made in Oman



- 1 solar panel 170W
- Modular system
- Efficiency(26%)

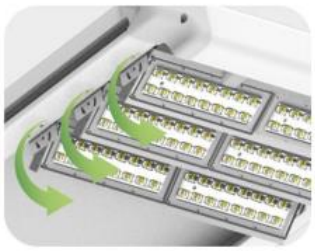
Model NO.	Cell	Power	Net Weight
NM170	182*182(HALF)	170W	18KG

ALL-IN -ONE
SELF-CLEANING
SOLAR STREET LIGHT
LOOX
SPEED
LIMIT
35

BACK

EOS (ALL-IN-ONE)

- Self cleaning solar panel
- LED module can be adjustable
- Remote or scheduled cleaning from our IOT system



صنع في عُمان
Made in Oman

Auto-cleaning

Reverse direction mounting

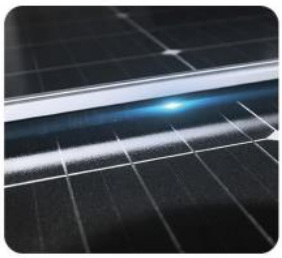
Can be illuminated from both ends

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
EOS-120W	10000LM	120W	8M-10M	20M-28M	19KG
EOS-200W	21000LM	200W	15M-20M	28M-36M	28KG

BACK

EOS (ALL-IN-TWO)

- Self cleaning Solar panel
- Maximum wattage, available in Solar Industry
- Remote or scheduled cleaning from our IOT system



صنع في عُمان
Made in Oman

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
EOS-120W	15000LM	125W	10M-11M	38M-42M	46.1KG
EOS-160W	20000LM	160W	11M-12M	42M-48M	51.2KG
EOS-240W	30000LM	250W	12M-13M	45M-50M	63.2KG
EOS-320W	40000LM	320W	13M-14M	50M-55M	73.2KG

ALL-IN-TWO SOLAR STREET LIGHT

BACK

APOLLO

- OEM / ODM = LAMP HEAD
- Any road direction installation
- Perfect solution to all-in-one series

صنع في عُمان
Made in Oman

Model NO.	Light Output (Typ)	Max Power	Installation Height	Installation Distance	Net Weight
AP7000	5000-7000LM	80W	7M-9M	25M-36M	31KG
AP10000	8000-15000LM	120W	9M-10M	32M-40M	33.2KG
AP12000	10000-25000LM	160W	10M-12M	38M-45M	35KG

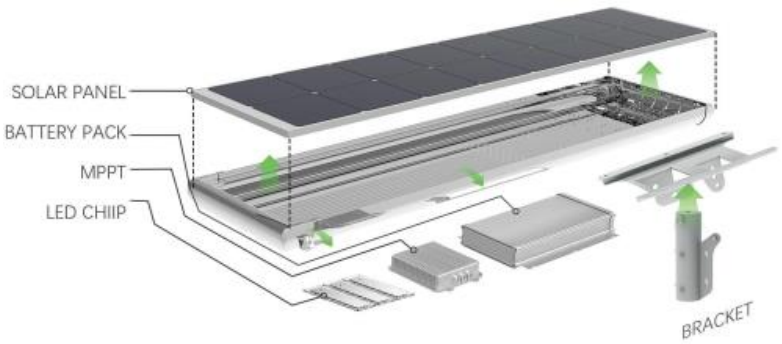
INTEGRATED SOLAR STREET LIGHT

BACK

NEW HYPERION

- Modular design,SKD shipping available
- Buckle design,Easy-to-install, Tools-free maintenance
- New generation of solar cell,60% increase in efficiency

صنع في عُمان
Made in Oman



Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
NHP-3000	5000LM	40W	3M-6M	18M-24M	19.2KG
NHP-5000	10000LM	50W	6M-8M	22M-30M	20.2KG
NHP-8000	12000LM	80W	8M-10M	30M-36M	25.6KG
NHP-10000	20000LM	125W	10M-12M	38M-45M	31.5KG

SOLAR STREET LIGHT WITH CAMERA

BACK

Eagle

- Wifi 4G Optional(2MP ,4MP or 5MP)
- With Night View and PIR (motion sensor)
- Camera can be rotated 360°

صنع في عُمان
Made in Oman

Dustproof and Waterproof

Full-color night vision

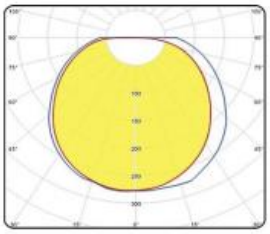
Model NO.	Light Output(Typ)	Max Power	Installation Height	Net Weight
EE-5000	>6049LM	90W	8m	42KG

STAND-ALONE SOLAR GARDEN LIGHT

BACK

PALLAS QUAD

- 360 degrees attractive surround Lens
- Facts: Absorbs Maximum Sun Power
- Frameless solar panel for dust resistance



360° Lighting

صنع في عُمان
Made in Oman

Mono crystalline silicon solar panel

15° Downward Slope

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
Pallas Quad	4500LM	40W	6M-7M	20M-28M	13KG

SOLAR LAWN LIGHT

BACK

MINI HELIOS

- Surfaced Panels
- 100% Aluminum Pole
- 360° Surround lens (Stylish)
- Up to 100Sq Meter of Brightness

صنع في عُمان
Made in Oman

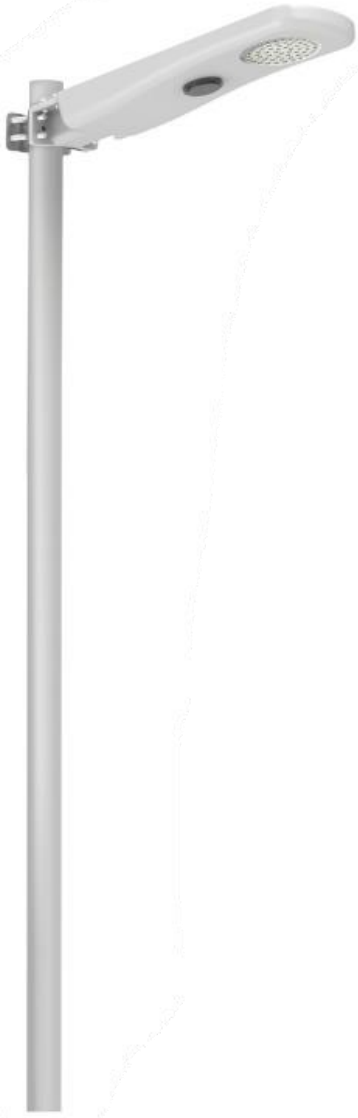
Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
Mini Helios	2000LM	30W	1M	15M	14.5KG

PATHWAY SOLAR LIGHT

BACK

HP1000

- Professional lens give the best illumination in the industry
- Versatile Mounting (Wall or Pole)
- Upon installation, self activates



صنع في عُمان
Made in Oman

Horizontal ▸

Wall-mounted ▸

Vertical ▸

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
HP1000	2500LM	20W	4M-5M	15M-20M	3.2KG

BACK

SOLAR ELF

- Independently adjustable solar panel and LED perfect light placement.
- Adjustable mechanisms from zero to 120 degrees.
- Perfect for : Walkways, Bridges, Entrances,Roof edges and Many more.

صنع في عُمان
Made in Oman

Model NO.	Light Output(Typ)	Max Power	Net Weight
Solar Elf-5W	500LM	5W	1.2KG
Solar Elf-15W	1500-2000LM	15W	2.8KG

SOLAR BENCH

BACK

LOOX

SOLAR BENCH

- Original Design
- IoT(Remote Control, Observation, Setting, Data Collection)
- Intelligent Customization

صنع في عُمان
Made in Oman

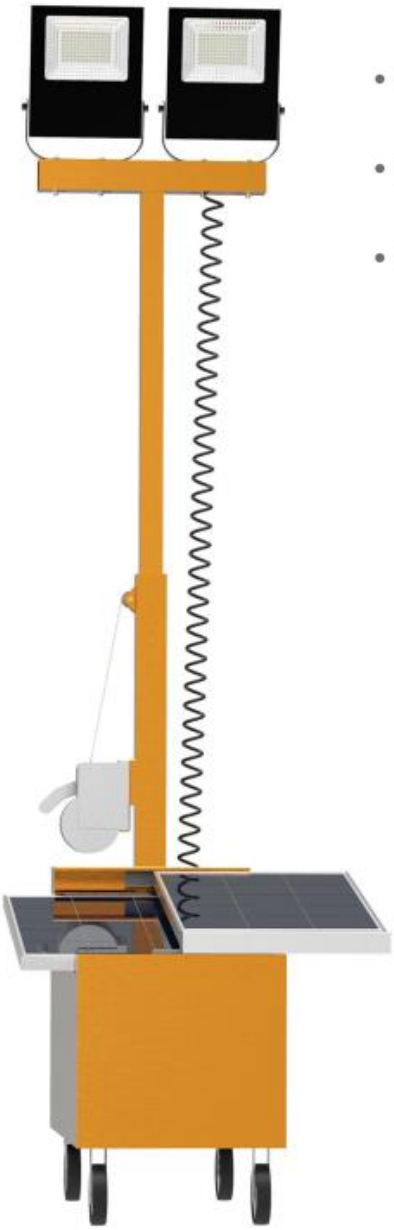
Advantage

- Sound Speakers
- Washer Light
- AD.TV Screen
- Scooter parking area
- Inductor Head
- Auto Self-Cleaning
- Remote control
- Cooling & Humidification fan
- Dual way charging methods (Wired and wireless)

LED SOLAR LIGHTING TOWER

BACK

LED Solar Lighting Tower



- Free movement
- Emergency use
- Integrated LCD display

صنع في عُمان
Made in Oman

Lift Pole

Movable Solar Panel

With Brake

Model NO.	Pmax	100W Floodlight	Battery Capacity	Lift Pole	Material
LED Solar Lighting Tower	80W*2 (mono)	2 PCS	Top level LiFePO4 1100WH	3-7 meters optional	Stainless steel

BACK

Solar Energy Storage System

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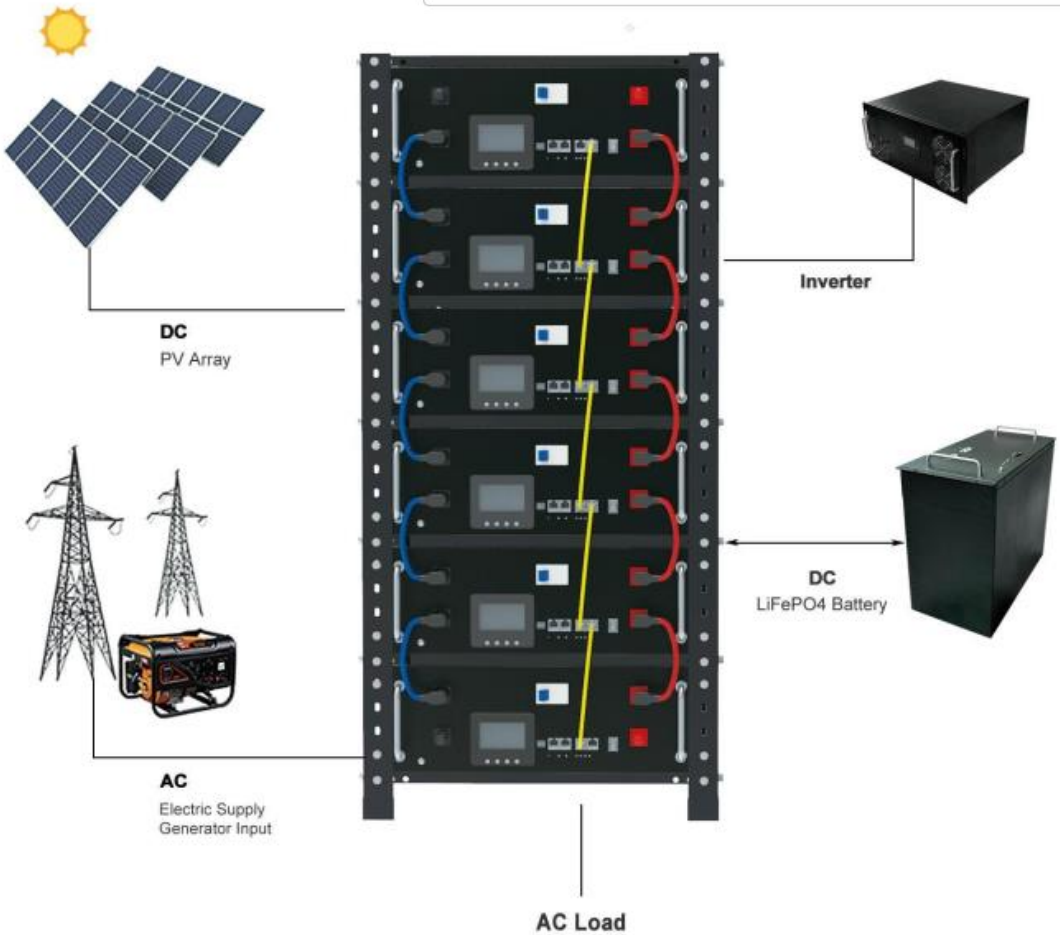
- One to power all your devices
- Go green with affordable budget
- Customized solar power solutions



Rated Voltage	Rated Capacity	Rated Energy	Output Voltage	Output Power
51.2V	100Ah	5.12KWH	110V/240V	3KW/5KW
	200Ah	10.24KWH		5KW/10KW

Features

Emergency control power supply specially designed for the luminaire.

EMC/EMI function.

3-hour emergency operation.

Central locking is availbale.

Label content can be customized.

Low working wattage for energy saving.

Each lamp is equipped with a T-shaped unlocking tool that can be used for all lamps. Refer to the below image.

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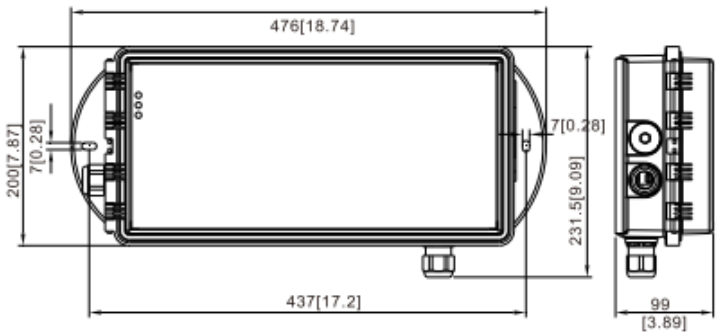
Technical Data

IECEx Standard	Ex db eb mb q IIC T5/T6 Gb Ex tb IIIC 80°C/95°C Db
Other Certifications	ABS certified 1000 Hours Salt Spray
Housing Material	Glass Fiber Reinforced Polyester Resin
Cover Material	PC
Rated Wattage	3W-15W
CCT	2,700-7,000K
Rated Voltage	AC 100-277V, 50/60Hz. DC 12-36V
Cable Entry Size	M25×1.5, 3/4 NPT
Stopping Plug	M25×1.5
Battery	3.7V, 4Ah
Charging Time	24 Hours
Operating Temperature	T6/T80°C: -20°C to +40°C; T5/T95°C: -20°C to +60°C
IP	IP66
IK	IK10

Dimension mm[inch]

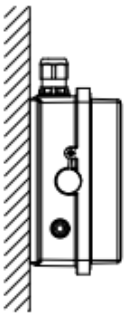


Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES01	2	580x590x210mm/22.83x23.23x8.27inch	3.5kg/7.72lbs	8.3kg/18.3lbs

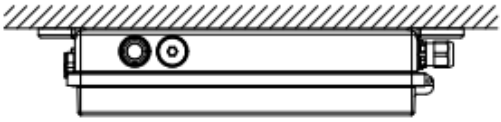
Mounting Methods

No.1: Wall Mounting



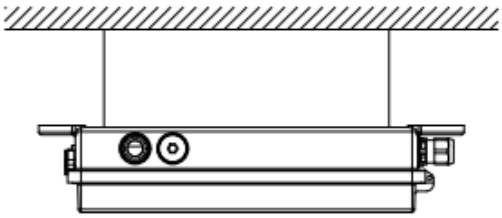
Open the cover by turning the regular hexagon spanner counterclockwise. Then connect the wire. Fix the fixture to the wall.

No.2: Ceiling Mounting

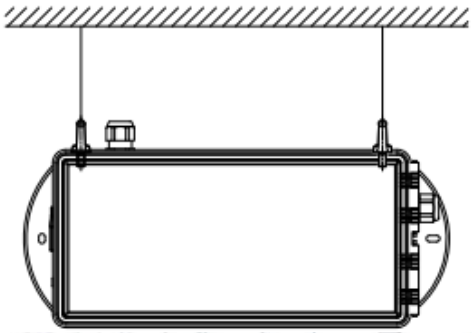


Fix the fixture to the ceiling through the 2 mounting holes on the fixture.

No.3: Pendant Mounting



First, connect the two pendant strings with the fixture. Then fix it on the ceiling.



Small Housing for ES02A1/ES02A2

Big Housing for ES02A1/ES02A2

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ES02A1: Luminaire
ES02A2: Emergency Light

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Features

- Low working wattage for energy saving.
- Multiple wattage options.
- ES02A2: 3-hour emergency operation.
- Power outage and shutdown function available at emergency mode.
- 1-10V dimming.
- Equipped with a lithium battery pack: 9.6V, 4000mA.
- Hinged-access door.
- Can be used outdoors.
- Mounting method: wall mounting.
- Provided with 3/4" NPT or M25 conduit hubs.

Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Input voltage:	120-277VAC, 50/60Hz
Output voltage:	18-42VDC
Lithium battery pack:	9.6V, 4000mA
Emergency Time (ES03A2):	3 hours
Charge time:	24 hours
Power factor:	≥0.9
Dimming:	1-10V
Lifespan:	50,000 hours
Warranty:	5 years
Housing Material	Die-casting Aluminum
CCT	3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K
Operating Temperature	-20°C to + 60°C
IP Rating	IP66

ES02A1: Luminaire

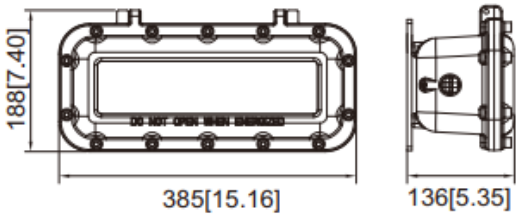
Housing	Model Number	Wattage	Lumens	Input Voltage
Small Housing	EX-5W ES02A1N50	5W	550lm	AC100-277V by driver and by IC, or DC12-48V
	EX-10W ES02A1N50	10W	1100lm	
Big Housing	EX-15W ES02A1N40	15W	1650lm	
	EX-20W ES02A1N40	20W	2200lm	

ES02A2: Luminaire + Emergency Backup Battery

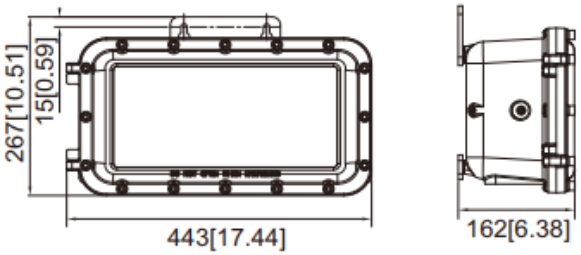
Housing	Model Number	Wattage	Lumens	Input Voltage
Small Housing	EX-5W ES02A2N50	5W	650lm	AC100-277V by driver and by IC, or DC12-48V
	EX-10W ES02A2N50	10W	1300lm	
Big Housing	EX-15W ES02A2N40	15W	1950lm	
	EX-20W ES02A2N40	20W	2600lm	

Dimensions: mm[inch]

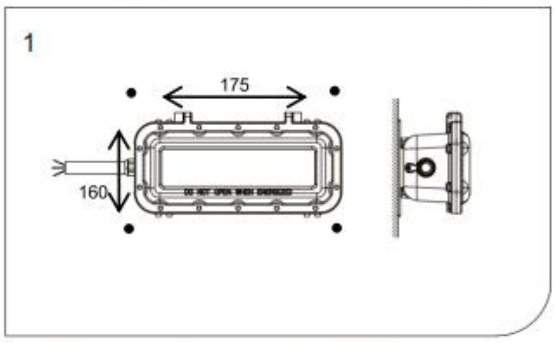
Small Housing for ES02A1/ES02A2:



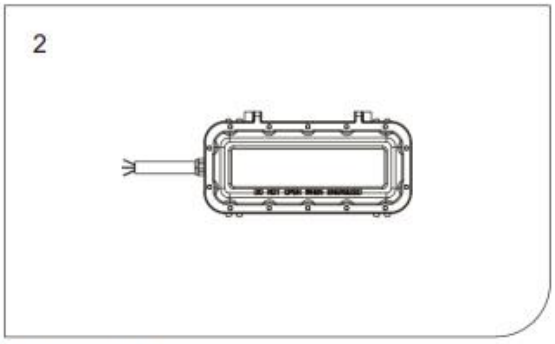
Big Housing for ES02A1/ES02A2:



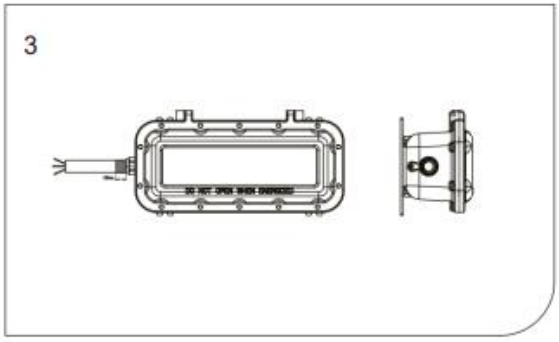
Mounting Method: Wall Mounting



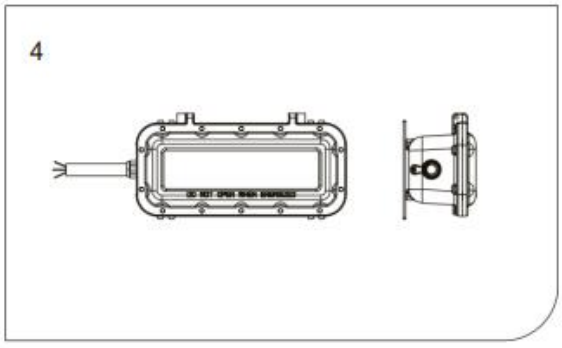
1. Drill four holes as fig. 1, the distance as per 175*160mm.



2. Fix four M10 expansion screws.



3. Install pipe to 3/4 NPT entry and fix 19mm Chico A.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

ES02B1: Emergency Light

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Features

1-10V dimming.
Mains power wall switch function.
Two high-lumen spot lights can be adjusted in horizontal and vertical directions. 360° rotatable.
Edge-lit sign.
Wide and narrow beam optics available.
Low working wattage for energy saving.
Hinged-access door.
Can be used outdoors.
Provided with 3/4" NPT or M25 conduit hubs.

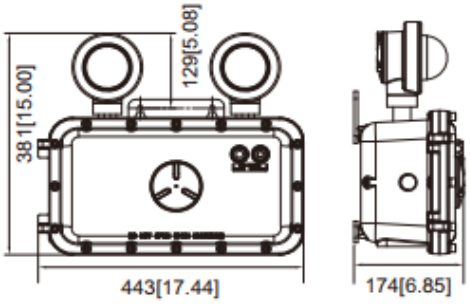
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80℃ Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80℃ Db
Rated Wattage	6W to 12W (2x3~6W). Remark: 3W~ 6W for each spot light
Lumens	540-1080lm
Input Voltage	AC100-277V by driver and by IC
Housing Material	Die-casting Aluminum
Emergency Time	Up to 3 Hours
Operating Temperature	-20℃ to + 60℃
IP Rating	IP66

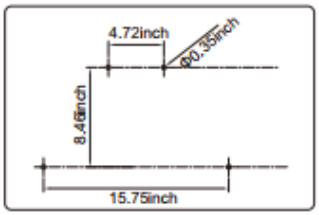
Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES02B1	1 pc	660x510x260mm/ 25.98x20.08x10.24inch	18.0kg/39.68lb	21.0kg/46.30lb

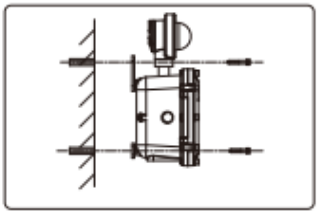
Dimensions: mm[inch]



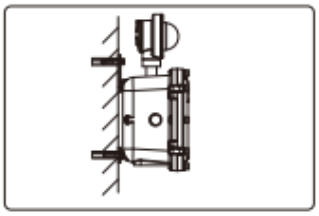
Mounting Method: Wall Mounting



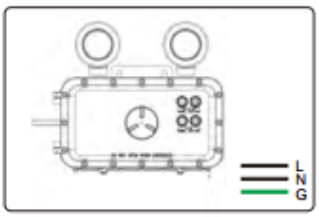
1. Drill 4 holes (Φ0.35inch) as shown above.



2. Install four M8 expanded screws to fix the device.



3. Tighten the four screws.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

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ES02B2: Exit Sign

Remark: More exit sign contents refers to the below information.

Features

- Low working wattage for energy saving.
- Hinged-access door.
- Can be used outdoors.
- Long lifespan up to 50,000 hours.
- Provided with 3/4" NPT or M25 conduit hubs.
- Label content can be customized (various languages and exit signs are available).

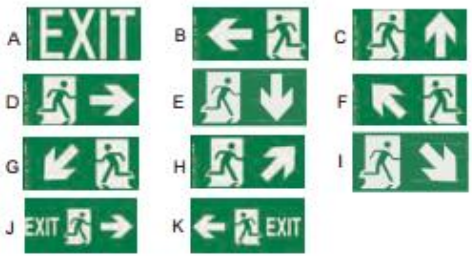
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80℃ Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80℃ Db
Rated Wattage	3W to 6W
Input Voltage	AC100-277V by driver and by IC
Housing Material	Die-casting Aluminum
Operating Temperature	-20℃ to + 60℃
IP Rating	IP66

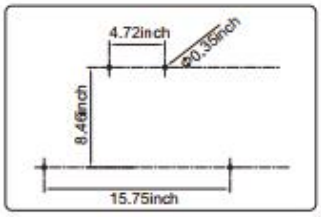
Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES02B2	1 pc	660x510x260mm/ 25.98x20.08x10.24inch	18.0kg/39.68lb	21.0kg/46.30lb

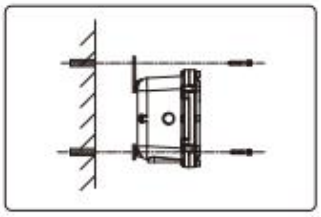
Marking Label (Optional)



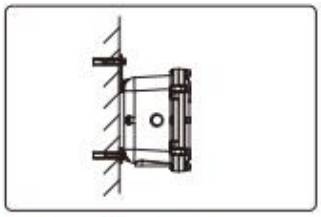
Mounting Method: Wall Mounting



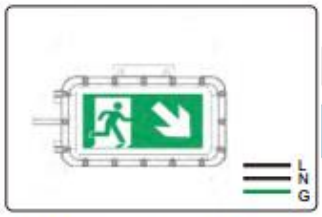
1. Drill 4 holes (Φ0.35inch) as shown above.



2. Install four M8 expanded screws to fix the device.



3. Tighten the four screws.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

Dimensions: mm[inch]

ES02B3: Exit Sign with Emergency Backup Battery

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Features

- Low working wattage for energy saving.
- Hinged-access door.
- Can be used outdoors.
- Long lifespan up to 50,000 hours.
- Provided with 3/4" NPT or M25 conduit hubs.
- 3-hour emergency operation.
- Label content can be customized (various languages and exit signs available).

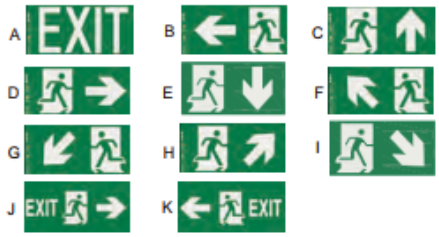
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Rated Wattage	3W to 6W
Input Voltage	AC100-277V by driver and by IC, or DC12-48V
Housing Material	Die-casting Aluminum
Emergency Time	Up to 3 Hours
Operating Temperature	-20°C to + 60°C
IP Rating	IP66

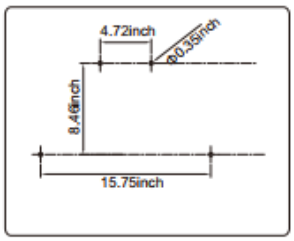
Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES02B3	1 pc	460x270x260mm/ 18.11x10.63x10.24inch	11.0kg/24.25lb	13.0kg/28.66lb

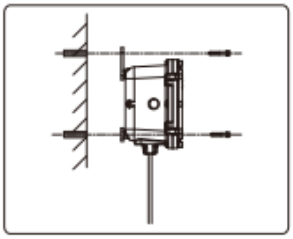
Marking Label (Optional)



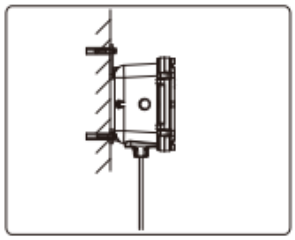
Mounting Method: Wall Mounting



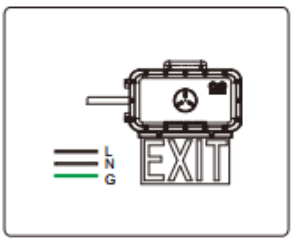
1. Drill 4 holes (Φ0.35inch) as shown above.



2. Install four M8 expanded screws to fix the device.

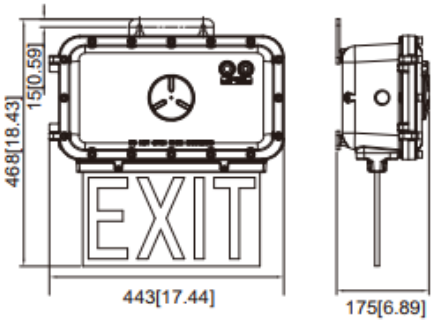


3. Tighten the four screws.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

Dimensions: mm[inch]



ES02B4: Exit Sign and Emergency Light

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Features

Two high-lumen spot lights can be adjusted in horizontal and vertical directions.
Edge-lit sign.
Low working wattage for energy saving.
Hinged-access door.
Can be used outdoors.
Long lifespan up to 50,000 hours.
Provided with 3/4" NPT or M25 conduit hubs.
Label content can be customized (various languages and exit signs available).

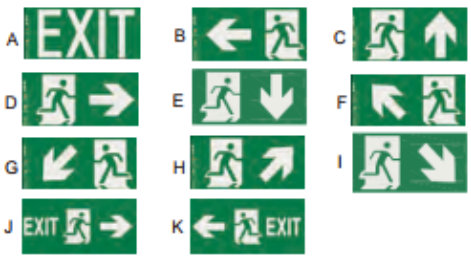
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Rated Wattage	Spot Lights: 2x(3W to 6W)=6W to 12W; Exit Sign: 3W to 6W
Lumens	540-1080lm
Input Voltage	AC100-277V by driver and by IC, or DC12-48V
Housing Material	Die-casting Aluminum
Emergency Time	Up to 3 Hours
Operating Temperature	-20°C to + 60°C
IP Rating	IP66

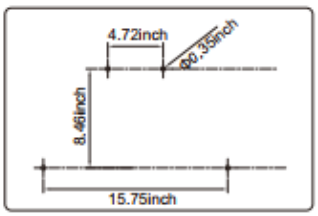
Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES02B4	1 pc	460x270x260mm/ 18.11x10.63x10.24inch	10.5kg/23.15lb	12.5kg/27.56lb

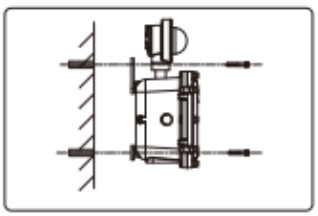
Marking Label (Optional)



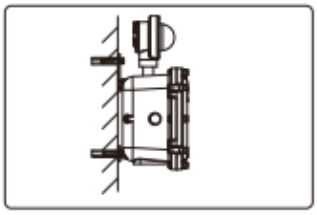
Mounting Method: Wall Mounting



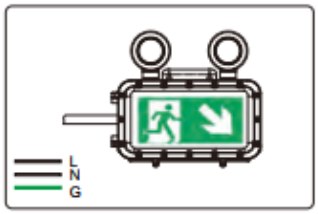
1. Drill 4 holes (Φ0.35inch) as shown above.



2. Install four M8 expanded screws to fix the device.

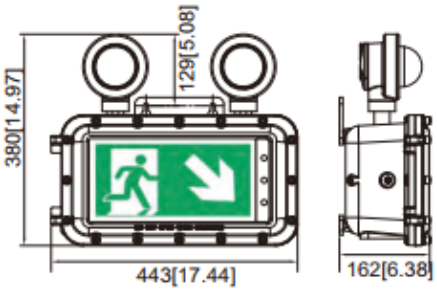


3. Tighten the four screws.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

Dimensions: mm[inch]



ES02B5: Exit Sign and Emergency Light

صنع في عُمان
Made in Oman

Features

Two high-lumen spot lights can be adjusted in horizontal and vertical directions.

Edge-lit sign.

Low working wattage for energy saving.

Hinged-access door.

Long lifespan up to 50,000 hours.

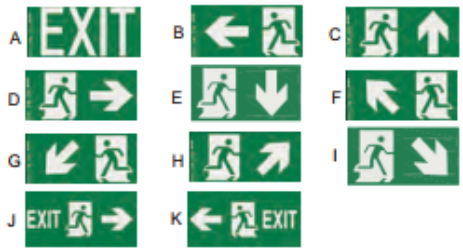
Provided with 3/4" NPT or M25 conduit hubs.

Label content can be customized (various languages and exit signs available).

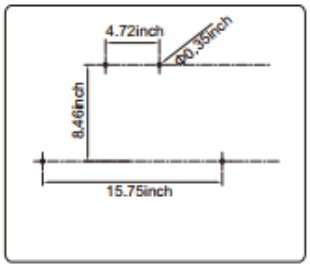
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Rated Wattage	Spot Lights: 2x(3W to 6W)=6W to 12W; Exit Sign: 3W to 6W
Lumens	540-1080lm
Input Voltage	AC100-277V by driver and by IC, or DC12-48V
Housing Material	Die-casting Aluminum
Emergency Time	Up to 3 Hours
Operating Temperature	-20°C to + 60°C
IP Rating	IP66

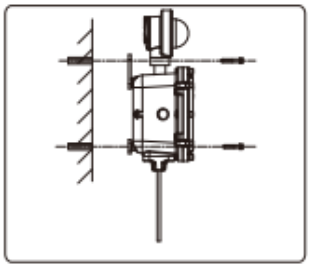
Marking Label (Optional)



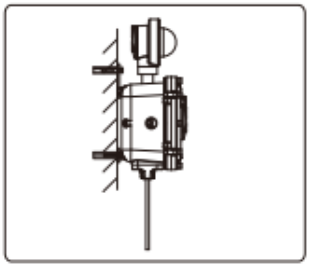
Mounting Method: Wall Mounting



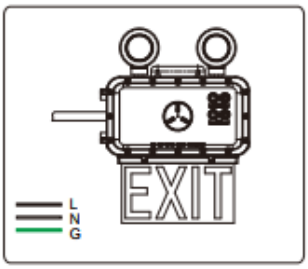
1. Drill 4 holes (Φ0.35inch) as shown above.



2. Install four M8 expanded screws to fix the device.

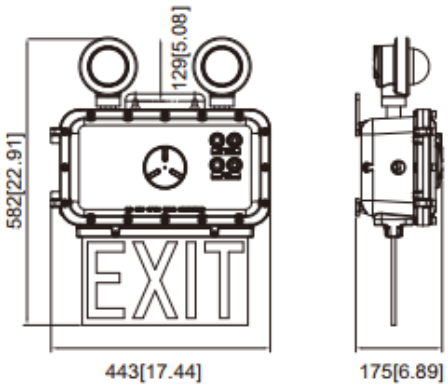


3. Tighten the four screws.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

Dimensions: mm[inch]



ES02C1: Emergency Light

صنع في عُمان
Made in Oman

Features

Two high-lumen spot lights can be adjusted in horizontal and vertical directions.
Edge-lit sign.
Low working wattage for energy saving.
Hinged-access door.
Can be used outdoors.
Long lifespan up to 50,000 hours.
Provided with 3/4" NPT or M25 conduit hubs.
Label content can be customized (various languages and exit signs are available).

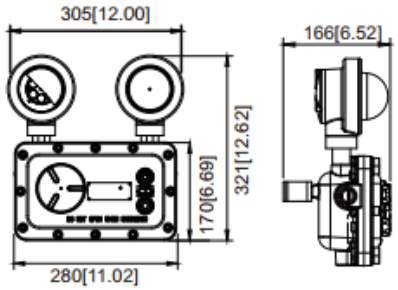
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Rated Wattage	6W to 12W (2x3~6W). Remark: 3W~ 6W for each spot light
Lumens	540-1080lm
Input Voltage	AC100-277V by driver and by IC
Housing Material	Die-casting Aluminum
Emergency Time	Up to 3 Hours
Operating Temperature	-20°C to + 60°C
IP Rating	IP66

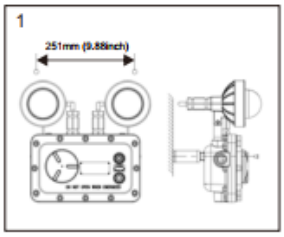
Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES02C1	1 pc	440x434x286mm/ 17.32x17.08x11.26inch	9.0kg/19.84lb	11.0kg/24.25lb

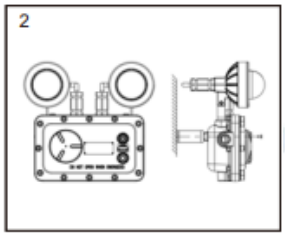
Dimensions: mm[inch]



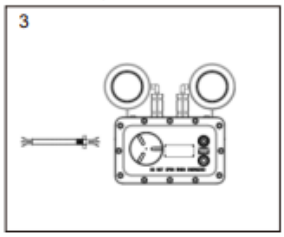
Mounting Method: Wall Mounting



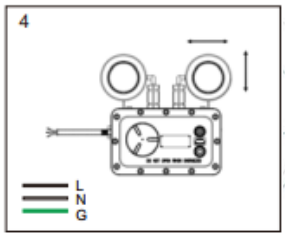
1. Drill 2× holes as fig. 1, the distance as per above dimensions.



2. Fix 4× M8 expansion screws.



3. Install pipe to 3/4 NPT entry and fix 19mm Chico A.



4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

ES02C3: Explosion Proof Emergency Backup Box

Small Housing

Big Housing

صنع في عُمان
Made in Oman

LOOX

Features

Hinged-access door.

Can be used outdoors.

Provided with 3/4" NPT or M25 conduit hubs.

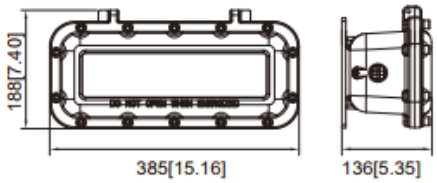
Small and big housing available.

Technical Data

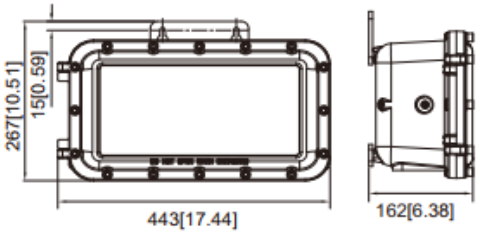
ATEX Marking	Ⓔx II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Universal Input Voltage	100-277Vac, 50/60Hz
AC Input Current	100mA max.
AC Input Power Rating	7W max.
Output Current and Voltage	410-800mA, 25-48Vdc
Output Power	20W
Emergency Time	1.5H (standard) or 3H (optional)
Full Warranty	3 years
Test Switch Indicator Light	Illuminated Test Switch, Red, Green, Yellow indicator Light
Battery	LiFeP04 battery - 12.8V/3000mAh or 6000mAh
Battery Charging Current	250mA
Charging Time	⩾24 hours
Ambient Temperature	0°C to +50°C (32°F to +122°F)

Dimensions: mm[inch]

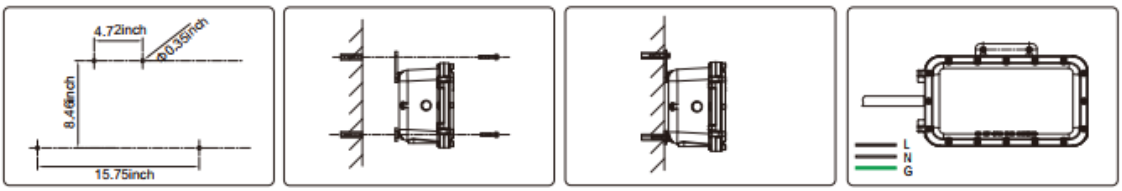
Small Housing:



Big Housing:



Mounting Method: Wall Mounting



1. Drill 4 holes (Φ0.35inch) as shown above.

2. Install four M8 expanded screws to fix the device.

3. Tighten the four screws.

4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

ES02D1: Emergency Light

صنع في عُمان
Made in Oman

Features

Two high-lumen spot lights can be adjusted in horizontal and vertical directions.
Edge-lit sign.
Low working wattage for energy saving.
Hinged-access door.
Can be used outdoors.
Long lifespan up to 50,000 hours.
Provided with 3/4" NPT or M25 conduit hubs.
3-hour emergency operation.

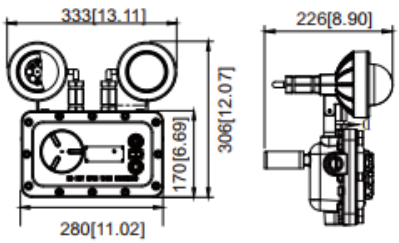
Technical Data

ATEX Marking	Ex II 2 G Ex db IIB+H_2 T6 Gb II 2 D Ex tb IIIC T80°C Db
IECEx Marking	Ex db IIB+H_2 T6 Gb Ex tb IIIC T80°C Db
Rated Wattage [No Title]	6W to 12W (2x3~6W). Remark: 3W~ 6W for each spot light
Lumens	540-1080lm
Input Voltage	AC100-277V by driver and by IC
Housing Material	Die-casting Aluminum
Emergency Time	Up to 3 Hours
Operating Temperature	-20°C to + 60°C
IP Rating	IP66

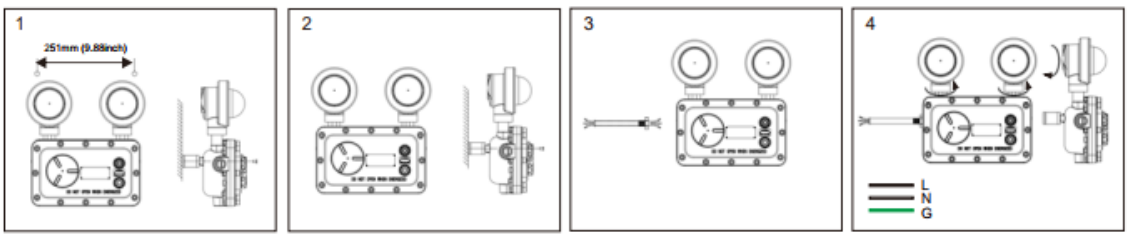
Packing Information

Model	Quantity/Carton	Packing Size	N.W (kg/lb)	G.W (kg/lb)
ES02D1	1 pc	440x415x340mm/ 17.32x16.34x13.38inch	8.8kg/19.40lb	10.8kg/23.81lb

Dimensions: mm[inch]



Mounting Method: Wall Mounting



1. Drill 2× holes as fig. 1, the distance as per above dimensions.
2. Fix 4× M8 expansion screws.
3. Install pipe to 3/4 NPT entry and fix 19mm Chico A.
4. Connect the AC cable, black cable joins to L, white cable joins to N, green cable joins to grounding.

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