ELHS

EXPLOSION-PROOF LED HIGH BAY

EX: II 2 G Ex d IIC T5 Gb/II 2 D Ex t IIIC T95°C (T5) Db

Application	Zone I and Zone II Hazardous Locations, Zone 20, Zone 21, Zone 22 and IIA, IIB, IIC explosive gas atmosphere.
Rating	Class1, Division 2, Groups A, B, C and D
Version	A: 2022-05

DESCRIPTION

These explosion-proof LED lights is a Class I, Division 2 factory sealed LED light fixture for general illumination. These fixtures are built to perform effectively and economically in areas that may be difficult to service, expensive to shut down or any location requiring an increased degree of safety. Compared with conventional lighting, this series LED consumes up to 85% less energy and typically lasts as long as 60,000 hours or more. Moreover, LED is available in various powers, offering a replacement option for existing 150W-400W MH or 500W HID fixtures.

CONSTRUCTION & MATERIALS

- High-duty die-casting aluminum alloy housing, fully sealed to be dirt and bug proof
- Impact-proof glass lens
- IP 66 rating waterproof protection
- Grey polyester powder-coated finish
- Taiwan Meanwell / Inventronic driver
- Stainless steel protective rope

EMERGENCY OPTION

- UL 924 & CEC title 20 compliant
- Charge time: 24 hrs
- Emergency time: 90~180 minutes
- Charge cycle: >500 times
- Work Temp. -22°F~+122°F (-30°C~50°C). Especial temperature will be consulted. *

MOUNTING AND WIRING

- Pole mount/Pendent mount /Wall Mount

ENVIRONMENTAL SYSTEM

- Where flammable vapors, gases, ignitable
- dusts, fibers or flyings are present;
- indoors or outdoors
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist

ELECTRICAL SYSTEM

- Input voltage 100-277VAC
- Class1, Division2, Group A,B,C and *D*, II 2 G Ex d IIC T5 Gb/II 2 D Ex t IIIC T95°C Db
- ATEX, CNEX, UL/LC, CE, RoHS

OPTICAL SYSTEM

- 90-130 lm/w output efficacy
- CCT: 3000K, 4000K, 5000K,5700K, 6500K.
- Beam angle: 60°, 90°, 120°, 140° , 140°X70°

CORROSION PROOF GRADE

- WF2

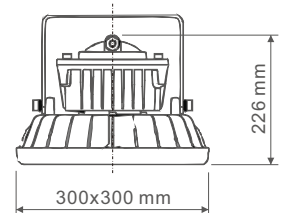### CABLE ENTRY

- NPT 3/4, NPT 1/2

WARRANTY

- 5 Years

STANDARD

- EN61347-1, EN61347-2-13, EN60598-2-1, EN60598-1
- CAN/CSA -C.22.2 NO. 250.0, C22.2 No. 137, CSA-C22.2 No. 250.13-12
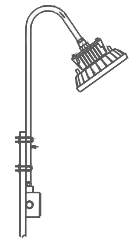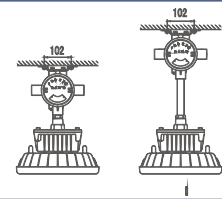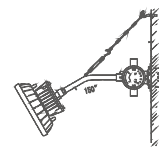- UL 8750 (Edition 1), UL 844 (Edition 12)
- UL 924, UL 1598

DIMENSION（unit:mm）

226 mm

300x300 mm

INSTALLATION

Pole Mount

Pendent Mount

Wall Mount

Surface Mount

Wall Mount

Ceiling Mount

DATA SHEET

Model#	LT-ELHS60	LT-ELHS80	LT-ELHS100	LT-ELHS120
Rated Power	60W	80W	100W	120W
Output Efficacy	90-130 LPW	90-130 LPW	90-130 LPW	90-130 LPW
Input Voltage	100~277VAC	100~277VAC	100~277VAC	100~277VAC
Beam Angle	60º/90º/120º/140º	60º/90º/120º/140º	60º/90º/120º/140º	60º/90º/120º/140º
Dimension (DXH)	300X300X226 mm	300X300X226 mm	300X300X226 mm	300X300X226 mm
Waterproof	IP 66	IP 66	IP 66	IP 66
Battery Available	20W/1.5 hrs	20W/1.5 hrs	40W/1.5 hrs	40W/1.5 hrs
Corrosion Proof	WF 2	WF 2	WF 2	WF 2
Cable Entry	NPT3/4, NPT 1/2	NPT3/4, NPT 1/2	NPT3/4, NPT 1/2	NPT3/4, NPT 1/2
L70 Life	>50,000hrs	>50,000hrs	>50,000hrs	>50,000hrs
Work Temp.	-30°C~50°C			
Ex Mark	II 2 G Ex d IIC T5 Gb/II 2 D Ex t IIIC T95°C (T5) Db			

ORDER INFORMATION

Sample Number: LT-ELHS120-30K-EM-SM

Com.	Series	Wattage	CCT	Voltage	Control Mode	Duration (EM)
LT	**ELHS**	**60**=60W **80**=80W **100**=100W **120**=120W **150**=150W	27K=2700K **30K**=3000K **40K**=4000K **50K**=5000K **57K**=5700K **65K**=6500K	**Blank**=100-277VAC **DV**= 24-48VDC	**DM**=0-10VDC Dim **EM**=Emergency Kit	**Blank**=90 Min. **2H** =120 Min. **3H** =180 Min.

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