

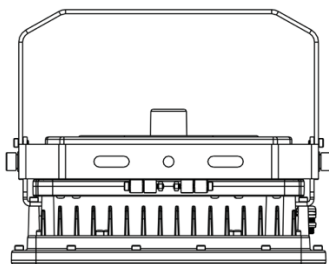
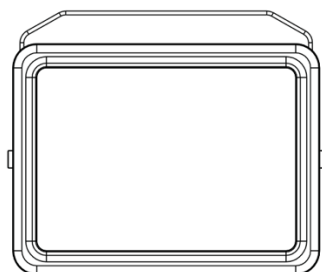
A Series Hazardous Location LED Luminaire



JAMES

Industrial Supply Products

EXD LED Explosion Proof Light can provide general illumination in hazardous locations such as oil refineries, gasoline loading docks, distilleries, pumping stations, mines, vessels, paint manufacturing plants and other high humidity, high temperature, dusty locations.



Key Features



High quality SMT LED and Meanwell driver	Marine rating powder coated appearance treatment
Light-weight designed by copper free aluminum	Up to 140 lumen per watt
Heavy-duty and high impact & vibration resistance, vibration-resistant solid-state luminaires.	Easy installation – compact modular fixture attaches onto existing Champ mounting module
Three connection cable entry points	Replaceable LED board and drivers and Integrated junction box for driver

Certificate for US/Canada Use

NEMA 4X, IP66, IK10
UL1598 /UL 1589A
CSA C22.2 No.137/ No.250.0

UL1598/ UL1598A/ UL 844

Class I, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups E, F, G
Class III

ATEX

II2 G Ex db IIB T6 Gb
IID Ex db IIIC T80 Gb IP66

IECEX

Ex db IIB T6 Gb
Ex db IIIC T80 Gb IP66

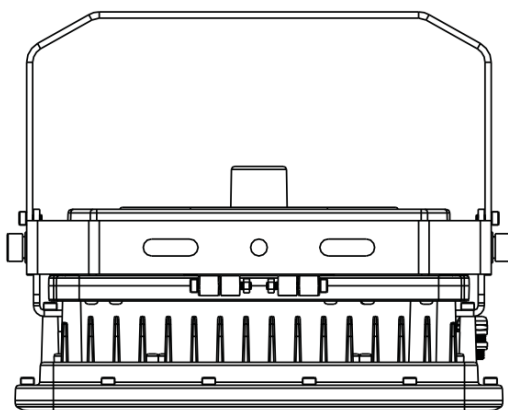
Other Rating

IK10
IP66

Ordering Guide

EX-	60W/100W/150W	A1/A2/A3	Y	50	D120
Product Series	Light Power Level	Product Series	Lens	CCT 5000K	Beam Angle 120° C

Hazardous Temperature Rating and Specification



Wattage	Dimension
60W	10.4"x6.4"x8.08"
100W	12.6"x9.4"x6.5"
150W	12.6"x9.4"x6.5"

Dimensions [unit in inches]

Temperature Performance Data	Ambient temp. °C	Class I, Div.2 Group A,B,C,D	Class II, Div.1 Group E,F,G	Class II, Div.2 Group F, G	Class III
EX-60W A	40°C	T3	T3	T3	T3
EX-100W A3	40°C	T3	T3	T3	T3
EX-150W A3	40°C	T3	T3	T3	T3
EX-200W A3	40°C	T3	T3	T3	T3

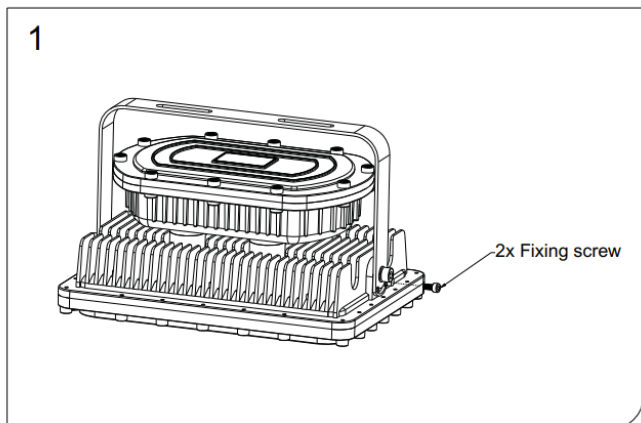
Electrical Rating	EX-60W AY50D120	EX-100W A3Y50D120	EX-150W A3Y50D120	EX-200W A3Y50D120
Voltage range, UN (VAC 50/60Hz)	100-277V	100-277V	100-277V	100-277V
Drivers (27M option /48M option)	Meanwell HLG-60H-48	Meanwell HLG-100H-48	Meanwell HLG-150H-48	Meanwell HLG-200H-48
Input power (watts)	60W	100W	150W	200W
Input amps at VAC	0.10-0.36	0.10-0.36	0.15-0.54	0.15-0.54
Power Factor	>0.90	>0.90	>0.90	>0.90
Total harmonic distortion (THD)	<20%	<20%	<20%	<20%
Lumen Output	8400	14000	21000	28000
Equivalent HID luminaire	150-175W	400W	600W-800W	800W-1000W
Rated Life	150,000 hours	150,000 hours	150,000 hours	150,000 hours
Dimmable	No	No	No	No



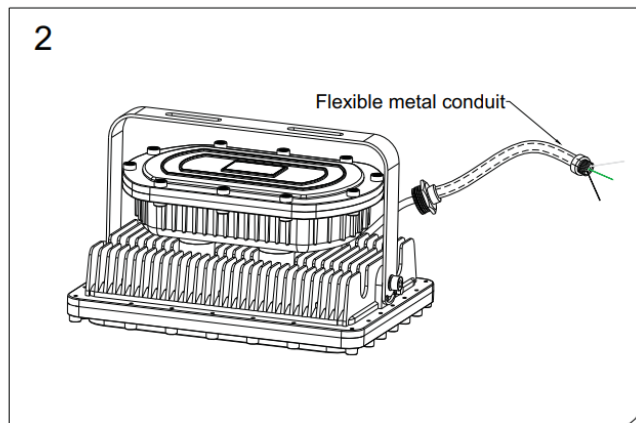
Installation



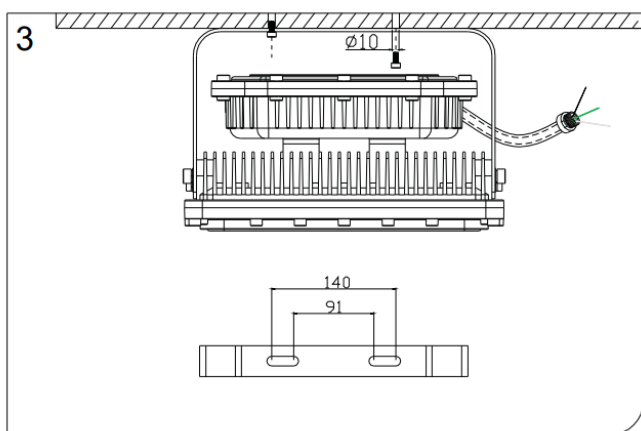
The specific steps of installation (Ceiling mounted)



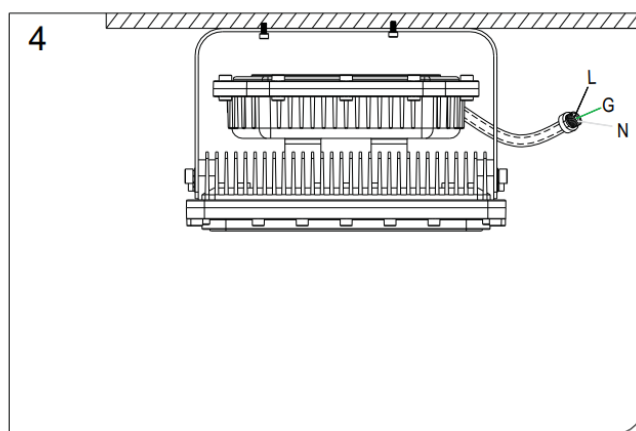
1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.



2. Through the cable to flexible metal conduit and tighten it with the fixture.



3. Drill 2x hole as Fig.3, the distance can be 91~140mm, fixing $\varnothing 10$ expansion screws and bracket on ceiling.



4. Connect the AC cable, Black cable joins to Live wire, white cable joins to Null wire, green cable joins to grounding.

Warranty

The manufacturer warrants this product to be free from defects in workmanship and materials, under normal residential use and conditions, for a period of one (5) year for the original invoice date. Shipping and handling fees are to be paid for by the customer. The manufacturer agrees, at its option during the warranty period, to repair and defect in material or workmanship or to furnish a repaired or refurbished product of equal value in exchange without charge (except for a fee for shipping, handling, packing, return postage, and insurance which will be incurred by the customer). Such repair or replacement is subject to verification of the defect or malfunction and proof of purchase as confirmed by showing the model number on original dated sales receipt.