

Class 1 Division 1



Key Features

- FEATURES:** Linear (Rugged)
High lm/W
5 Mounting Styles
Modern Design
- OPTIONS:** 2' & 4' Body Lengths
High Voltage
Side Opening
Emergency Back-Up

Compliance

UL 844 Hazardous Locations
Class I Division 1 Groups C, D
Class I Division 2 Groups A, B, C, D
Class I Zone 1 Group IIB
Class II Division 1 Groups E, F, G
Class II Division 2 Groups F, G
Class II Zone 21 Group IIIC
Class III
UL 1598 Suitable for Wet Locations
UL 1598A Marine Saltwater
UL 924 Emergency Lighting

CSA C22.2 No. 250.0:2021 Ed.5
CSA C22.2 No. 137:2018 Ed.2
IP66
IP67
IK08 (Glass Cover)
IK10 (With Wire Guard)
ETL (ATM for Report 105342415DAL-001/003)
ABS
DLC select versions

Applications

Oil and Gas

Petroleum production and refining
Petroleum loading, storage, transportation and retail
Confined spaces with vapor accumulation
LNG and LPG handling
Oil tankers and shipping vessels
Fuel system testing facilities

Power Plants

Coal-fired power plants, including coal handling and storage areas
Gas-fired power plants with fuel storage
Nuclear power facilities in hazardous auxiliary areas
Biomass or waste-to-energy plants with combustible dust risks

Industrial

Industrial storage facilities
Paper mills, sawmills and lumber yards
Loading dock platforms
Manufacturing plants for heavy industrial goods
Warehouses handling flammable materials

Waste Treatment

Wastewater treatment plants
Pumping stations
Solid waste processing and incineration facilities
Sewage treatment with methane gas risks
Hazardous waste recycling centers

Mining

Operations and service areas
Underground mining tunnels with gas accumulation

Chemical Industry

Chemical production, processing and storage facilities
Solvent handling and mixing areas
Chemical research labs with flammable substances

Ocean, Marine and Aerospace

Offshore platform operation facilities and structures
Marine and saltwater environments
Aerospace clean rooms and production areas
Ocean vessel operations
Shipyards and dry docks
Aircraft hangars with fuel vapors

Metal Treatment

Paint facilities
Steel and aluminum factories
Metal smelting, foundry and fabrication
Welding and cutting areas with gas risks

Military and Defense

Ammunition storage and handling
Fuel depots and refueling stations
Explosives manufacturing
Vehicle maintenance bays in hazardous zones

Food, Alcohol and Agriculture Industry

Flour and fine particle production and storage
Food and distilling production
Grain storage elevators and silos
Breweries and fermentation tanks
Feed mills with dust risks
Fertilizer production and storage

Pharmaceutical Industry

Drug manufacturing and solvent handling
Clean rooms with volatile compounds
Pill coating and drying areas
Research and development labs

Other high humidity, high dust, high temperature and vapor locations

Specifications

Wattage	20W	40W	50W	40W	60W	80W	100W	120W
Body	I2			I4				

OPTICAL

Lumen Output	2800 lm	5600 lm	7000 lm	5600 lm	8400 lm	11200 lm	14000 lm	16800 lm
Lumens Per Watt	140 lm/W							
Color Temperature: CCT	Standard: 5000K Options: 2700K - 7000K							
CRI (Color Rendering Index)	>70							
Beam Angle	120°							
Dimming	0-10V dimming							

ENVIRONMENTAL

Ambient Operating Temperature	-40°C to +60°C (-40°F to +140°F)	-40°C to +60°C (-40°F to +140°F)	-40°C to +40°C (-40°F to +104°F)
Temperature Code	T4	T4	

MECHANICAL

Housing Material	Copper-free aluminum
Lens Diffuser	Tempered Glass
Hardware	Stainless Steel
Mounting	Ceiling, Wall, Pole, Pendant, Chain
Cable Entry	Top: 3/4" NPT (Standard), 1/2" NPT Option Two sides: 3/4" NPT (Standard), 1/2" NPT Option
Warranty	5 Year Standard Warranty

ELECTRICAL

Lifespan	L70> 150,000 Operational Hours @ 55°C
Input Voltage	100-277VAC, 200-480VAC
Input Frequency	50/60Hz
Power Factor	> 0.95

EMERGENCY

Emergency Time	1.5 Hour, 3 Hour Option
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Ordering Logic

ORDER EXAMPLE: HLL I EX 80W I4 D 50 D120

(1) Product	(2) Product Category	(3) Wattage	(4) Shape Series	
HLL I	EX - Explosion Proof	20W (2,800 lm) 40W (5,600 lm) 50W (7,000 lm) 60W (8,400 lm) 80W (11,200 lm) 100W (14,000 lm) 120W (16,800 lm)	I2 - 2' (20/40/50W) I4 - 4' (40/60/80/100/120W)	
(5) Dimming	(6) Kelvin	(7) Beam Angle	(8) Voltage	(9) Optional
D - Dimmable N - Non-Dimmable	30 - 3000 K 40 - 4000 K 50 - 5000 K (S)	D120 - 120° (S)	Blank - 100-277 HV - 480	Blank - Without Emergency Function (S) EM - Emergency Back Up

(S) Standard

Accessories



Model: Ex-Junction01
Junction Box
Aircraft Aluminum A383



Model: Ex-SPipe
Winding Swing Pipe
Iron with Power Coating



Model: Ex-WPipe
Winding Swing Pipe
Iron with Power Coating



Model: Ex-Chain
Pendant Chain
Stainless Steel S30400



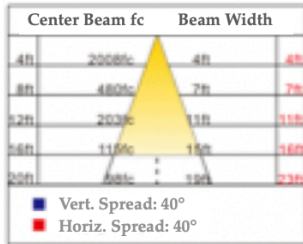
Model: Ex-Bracker
U-bracket
Stainless Steel



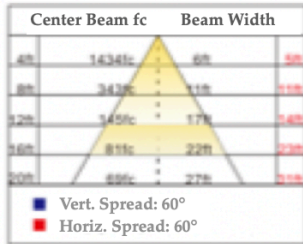
Model: Ex-Conduit01
Metal Conduit
Stainless Steel and Aluminum

Light Distribution

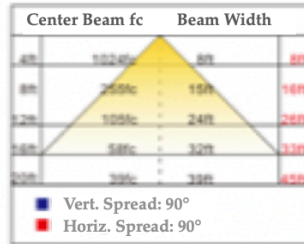
40D



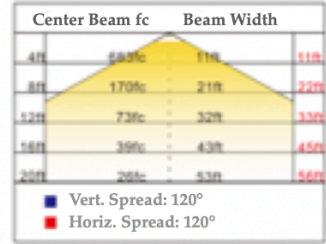
60D



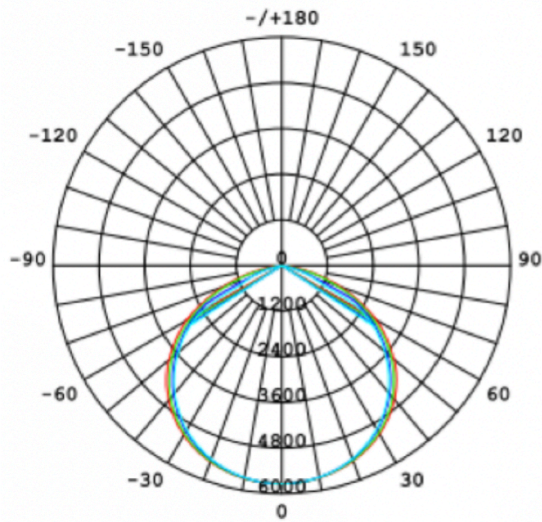
90D



120D



Photometric



120 Degree

UNIT:cd

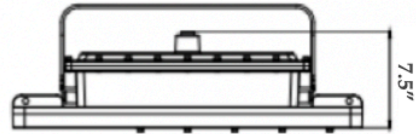
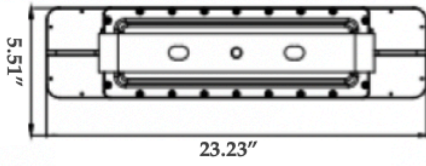
- C0/180.120.1
- C30/210.117.4
- C60/240.114.9
- C90/270.113.2

Average Beam Angle (50%):120.2 DEG

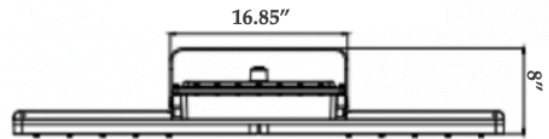
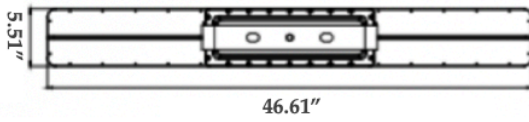
Product Dimensions

Regular Model

I2

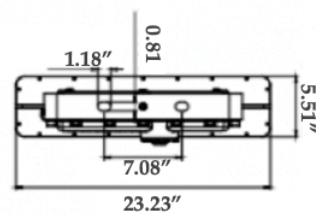
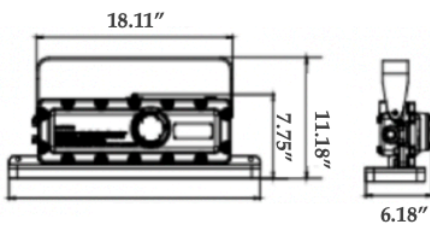


I4

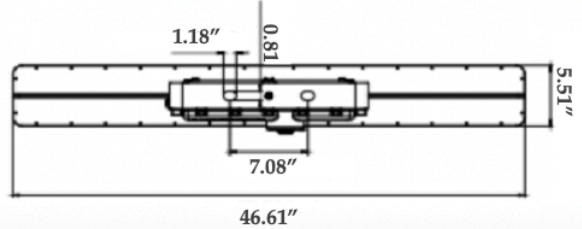
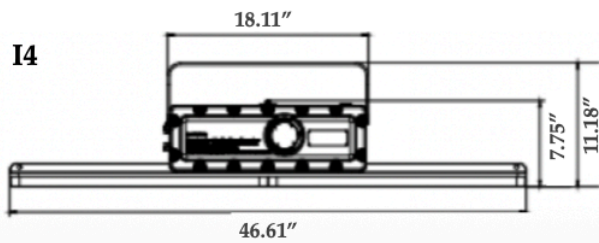


Side Opening Cover Model

I2



I4

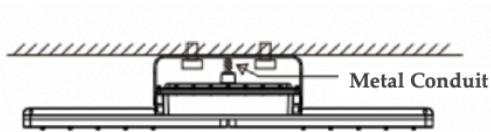


Packaging Information

	I2	I4
Fixture Dimensions	See Product Dimensions Drawing	See Product Dimensions Drawing
Package Dimensions	30.31" x 13.39" x 10.43" 770mm x 340mm x 265mm	53.94" x 14.17" x 11.42" 1370mm x 360mm x 290mm
Net Fixture Weight	Regular: 26.46 lb Side Opening Cover Model: 33.07 lb	Regular: 47.40 lb Side Opening Cover Model: 47.40 lb
Gross Weight	Regular: 28.66 lb Side Opening Cover Model: 35.27 lb	Regular: 40.79 lb Side Opening Cover Model: 40.79 lb

Mounting Methods

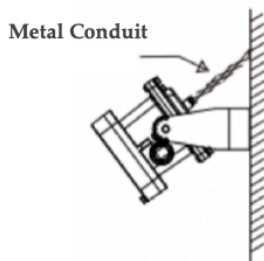
Option 1: Ceiling Mounting



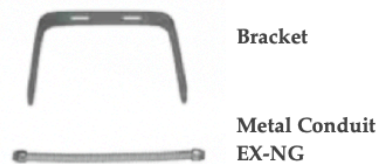
Accessory



Option 2: Wall Mounting



Accessory



Option 3: Pole Mounting

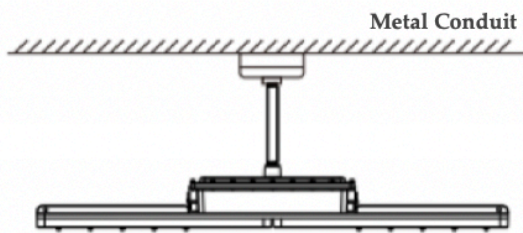


Accessory



Bracket

Option 4: Pendant Mounting



Metal Conduit

Accessory

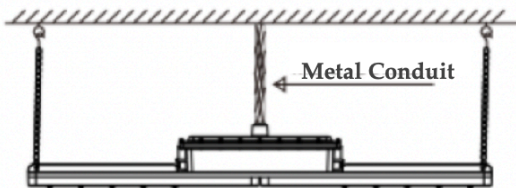


Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe

Option 5: Chain Mounting



Metal Conduit

Accessory



Pendant Chain
Ex-Straight Chain



Metal Conduit
EX-NG