



Flat Guard



Globe Guard



Class 1 Division 2



Compliance

UL 844 Hazardous Locations
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
UL 1598 Suitable for Wet Locations
UL 1598A Marine Saltwater
UL 924 Emergency Lighting
UL 8750 LED Safety

Certificate 80070037
IP66
IK08
ABS
DLC select versions

Key Features

FEATURES:	Jelly Jar (Rugged) Impact Protection Cost Efficient
OPTIONS:	3 Mounting Styles

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	10W	20W	30W	40W	10W	20W	30W	40W	10W	20W	30W	40W
Body	M1				M2				M3			

OPTICAL

Lumen Output	1000 lm	2000 lm	3000 lm	4000 lm	1000 lm	2000 lm	3000 lm	4000 lm	1000 lm	2000 lm	3000 lm	4000 lm
Lumens Per Watt	100 lm/W											
Color Temperature: CCT	Standard: 5000K Options: 3000K - 6500K											
CRI (Color Rendering Index)	>70											
Beam Angle	120°											
Dimming	0-10V dimming											

ENVIRONMENTAL

Ambient Operating Temperature	T6/T80°C: -40°C to +25°C (-40°F to +77°F) T5/T95°C: -40°C to +40°C (-40°F to +104°F) T4/T130°C: -40°C to +60°C (-40°F to +140°F) (Emergency) T4/T130°C: - 10°C to +40°C (14°F to +104°F)
Temperature Code	T6 (+25°C), T5 (+40°C), T4 (+60°C)

MECHANICAL

Housing Material	Copper-free aluminum		
Lens Diffuser	Tempered glass (frosted and clear options)		
Mounting	Ceiling	Pendant	Wall
Cable Entry	4 sidewall cable entries can be used for M25, M20, NPT 1/2" or NPT 3/4" certified cable glands		
Warranty	5 Year Standard Warranty		

ELECTRICAL

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

Ordering Logic

ORDER EXAMPLE: HLL O EX 30W O D 50 D120 C M1

(1) Product	(2) Product Category	(3) Wattage	(4) Shape Series	(5) Dimming	(6) Kelvin
HLL O	EX - Explosion Proof	10W (1000 lm) 20W (2000 lm) 30W (3000 lm) 40W (4000 lm)	O	D - Dimmable N - Non-Dimmable	30 - 3000 K 40 - 4000 K 50- 5000 K (S)
(7) Beam Angle		(8) Glass		(9) Mounting	
D40 - 40° D60 - 60° D90 - 90° D120 - 120° (S)		C - Globe Glass P - Plate Short Glass B - Middle Long Globe Glass		M1 - Ceiling Mounting M2 - Pole Mounting M3 - 90° Wall Mounting	

(S) Standard

Accessories



EX-Flexible Conduit 700mm 3/4NPT



EX-Flexible Conduit 700mm 1/2NPT



EX-Junction Box



EX-Junction Box Side Hole



EX-Threaded Pipe



EX-Bent Threaded Pipe



Wall elbow



Ceiling/Wall



Ceiling/Wall
(Interior Detail)



Reflector



Heat Sink



Globe Glass



Globe Guard



Extension



Main Part



Flat Glass



Flat Guard

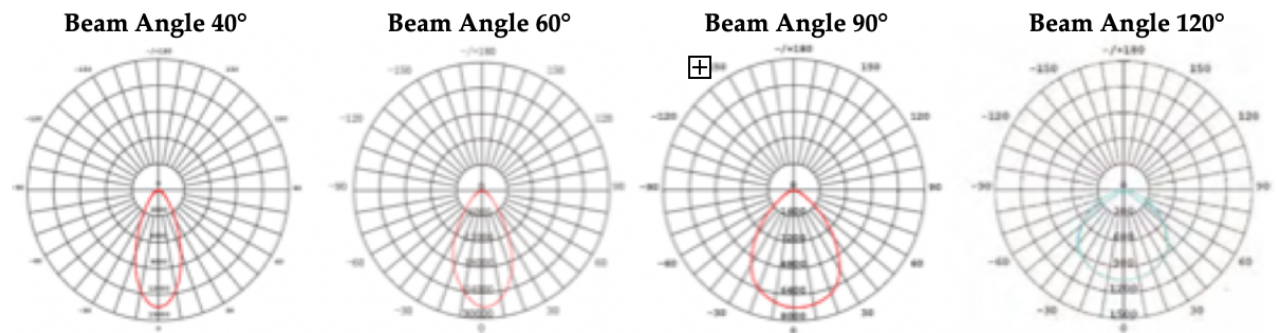


Clear

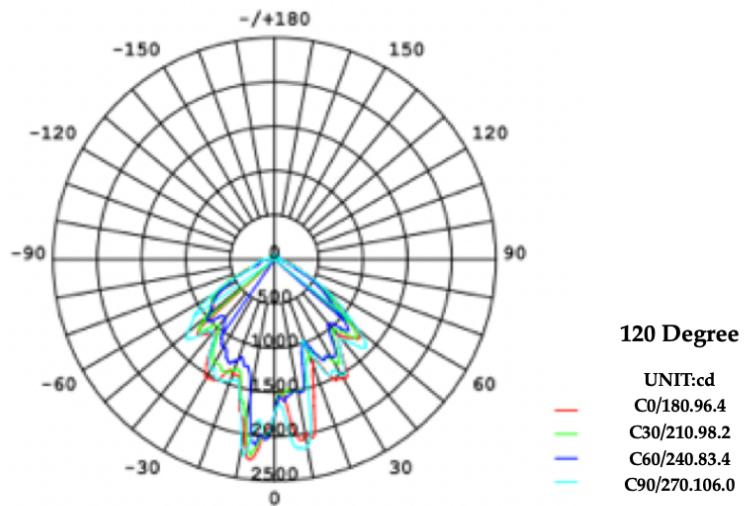


Pendant

Light Distribution



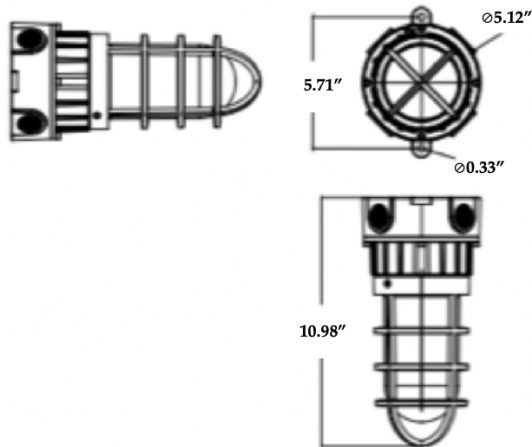
Photometric



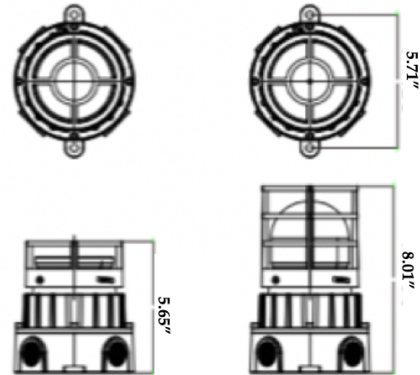
Average Beam Angle (50%):121.1 DEG

Product Dimensions

With Globe Guard



With Flat Guard



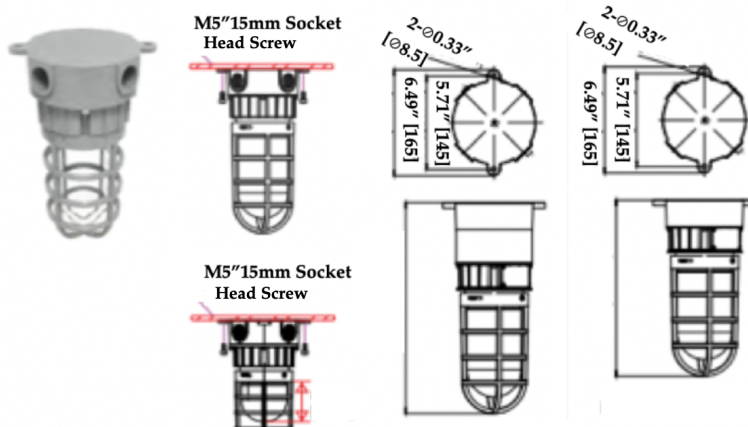
Thickness of diffuser: 0.18"

Packaging Information

Pieces	1	1	1
Fixture Dimensions	See Product Dimensions Drawing	See Product Dimensions Drawing	See Product Dimensions Drawing
Package Dimensions	14.56" x 10.63" x 9.45" 370mm x 270mm x 240mm	10.43" x 14.96" x 10.04" 265mm x 380mm x 255mm	16.54" x 13.39" x 9.45" 420mm x 340mm x 240mm
Net Fixture Weight	5.95 lb	4.41 lb	8.16 lb
Gross Weight	7.06 lb	5.51lb	9.26 lb.

Mounting Methods

Option 1: Ceiling Mounting



Accessory

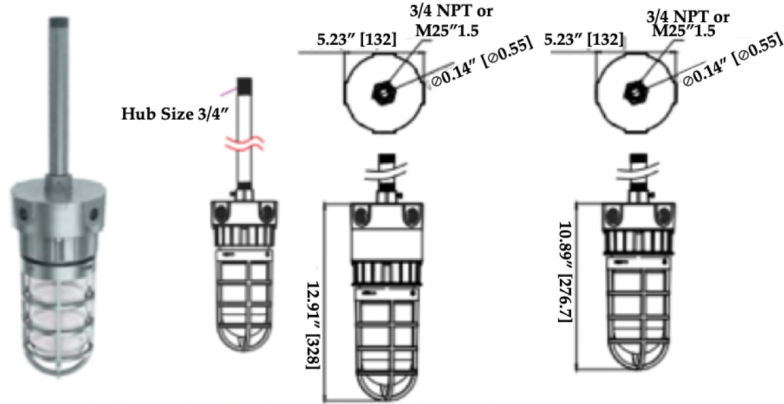


Ceiling/Wall

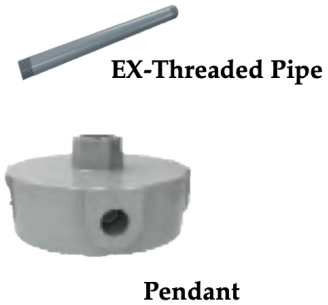


Ceiling/Wall
(Interior Detail)

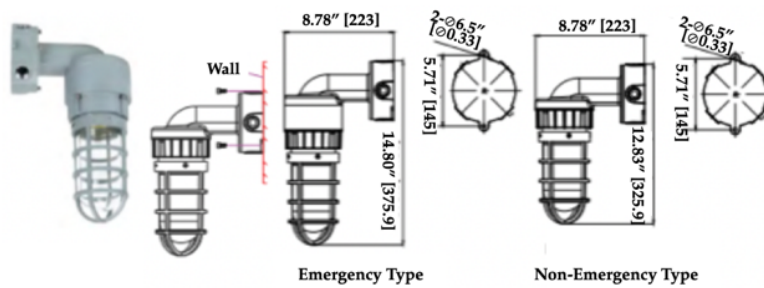
Option 2: Pole Mounting



Accessory



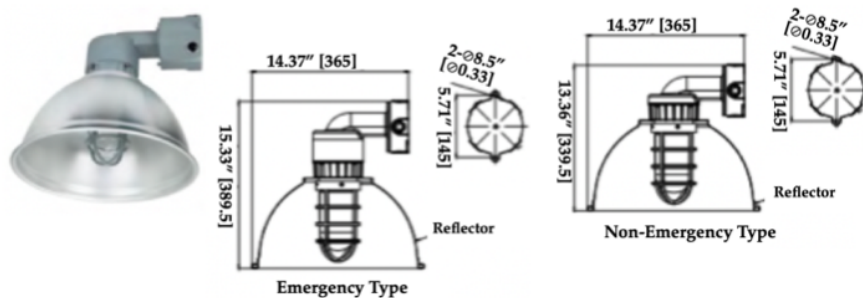
Option 3: 90° Wall Mounting



Accessory



Option 4: 90° Wall Mounting with Reflector



Accessory

