



BPO LIGHTING
Hazardous Area Lighting

HLL B



Convex
Glass Cover
Optional)



B2



B



B3



B4



Globe Glass
With Wire Guard
(Optional)



Class 1 Division 2

Key Features

FEATURES: Round High-Bay/Low-Bay Area Light (Rugged)
9 Mounting Styles
High lm/W

OPTIONS: 4 Body Sizes
High Voltage
40°, 60°, 90° or 120°
Emergency Back-Up

Compliance

UL 844 Hazardous Locations
Class I Division 2 Groups A, B, C, D
Class I, Zone 2, Group IIC
Class II Division 1 Groups E, F, G
Class II Division 2 Groups F, G
Class II, Zone 21, Group IIIC
Zone 2, 21,22
Class III
UL 1598 Suitable for Wet Locations
UL 1598A Marine Saltwater
UL 924 Emergency Lighting

IP66
IP67
IK08 (Glass Cover)
IK10 (With Wire Guard)
1000 Hours Salt Spray
ETL (ATM for Report 105342415DAL-001)
ABS
CB (Ref. Certif. No.: DE 2-038462-M1)
NSF
EX II 3G Ex ec IIC T6...T3 Gc
EX II 2D Ex tb IIIC T85°C...T103°C Db
Ex ec IIC T6...T3 Gc
Ex tb IIIC T85°C...T100°C Db
DLC qualification varies for product 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 tanker 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

Industrials Storage Facility
Paper mills, Sawmills and lumber yards
Loading Docks 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
Underground mining tunnels with gas accumulation

Chemical Industry

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

Investment and Jobs Act (Pub. L. 117-58)

Ocean, marine and aerospace

Ocean platform operation facilities and structure
Marine & Saltwater Environments
Aerospace clean room and production
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	60W	80W	100 W	120 W	150 W	200 W	250 W	300 W	350 W	400 W
Body	B2		B		B3				B4			
Lumen Output	2800 lm	5600 lm	8400 lm	11200 lm	14000 lm	16800 lm	21000 lm	28000 lm	35000 lm	42000 lm	49000 lm	56000 lm
Lumens Per Watt	140 lm/W											
Color Temperature: CCT	5000K (standard), 2700-7000K optional											
CRI (Color Rendering Index)	>70											
Beam Angle	120° Standard 40°, 60°, 90°option											
Dimming	0-10V dimming											

ENVIRONMENTAL

Ambient Operating Temperature	T3: -40°C to +50°C (-40°F to +122°F)	T3: -40°C to +40°C (-40°F to +104°F)	T3: -40°C to +55°C (-40°F to +131°F)	T3: -40°C to +40°C (-40°F to +104°F)
Temperature Code	T3 (+50°C)	T3 (+40°C)	T3 (+55°C)	T3 (+40°C)

MECHANICAL

Housing Material	Copper-free aluminum		
Lens Diffuser	Tempered glass & PC		
Hardware	Stainless steel		
Fixture Color	Grey RAL 7040 (Standard)		
Mounting	Ceiling, Wall, Pole, Hook Pendant, Stanchion, Wall, Trunnion	Ceiling, Wall, Pole, Hook Pendant, Stanchion, Wall	
Cable Entry	Top: 3/4" NPT (standard); M25 Option Side: 3/4" NPT (standard); M20, M25, 1/2" NPT Option		
Warranty	5 Year Standard Warranty		

ELECTRICAL

Lifespan	L70> 150,000 Operational Hours @ 55°C
Input Voltage	120-277VAC, 277-480VAC
Input Frequency	50/60Hz
Power Factor	> 0.95

EMERGENCY

Emergency Time	R2: No Emergency Function	ROptional
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Ordering Logic

ORDER EXAMPLE: HLL B EX 100W B3 D 5K 120

(1) Product	(2) Product Category	(3) Wattage	(4) Shape Series	(5) Dimming	(6) Kelvin
HLL B	EX - Explosion Proof	20W (2,800 lm)	B - 60/80W	D - Dimmable	3K - 3000 K
		40W (5,600 lm)	B2 - 20/40W	N - Non-Dimmable	4K - 4000 K
		60W (8,400 lm)	B3 - 100/120/150/200W		5K - 5000 K(S)
		80W (11,200 lm)	B4 - 250/300/350/400W		
		100W (14,000 lm)			
		120W (16,800 lm)			
		150W (21,000 lm)			
		200W (28,000 lm)			
		250W (35,000 lm)			
		300W (42,000 lm)			
		350W (49,000 lm)			
		400W (56,000 lm)			
(7) Beam Angle	(8) Cover Option	(9) Voltage	(10) Optional		
40 - 40°	Blank - Non Long Glass Clover	Blank - U 100-277	Blank - Without Emergency Function		
60 - 60°	C - Long Glass Cover	HV - 480	EM - Emergency Back Up*		
90 - 90°					
120 - 120° (S)					

(S) Standard *EM Available 60W and above

Accessories



Junction Box



Installation Hook



Metal Conduit



Winding Swing Pipe



Straight Pipe



Pendant Direction Adapter



Surface Mounting Arm



25° Pole Support



90° Pole Support



90° Arm to Junction Box

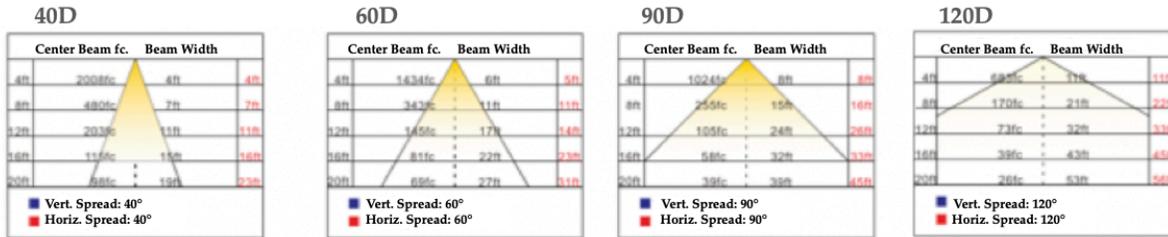


25° Arm to Junction Box

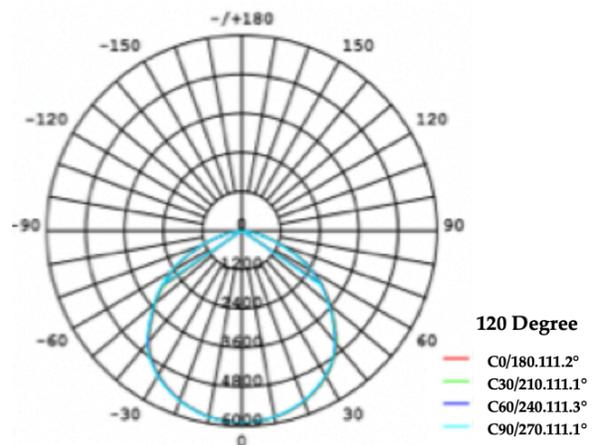
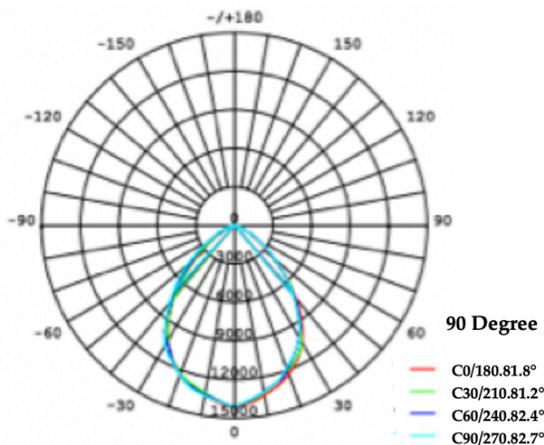
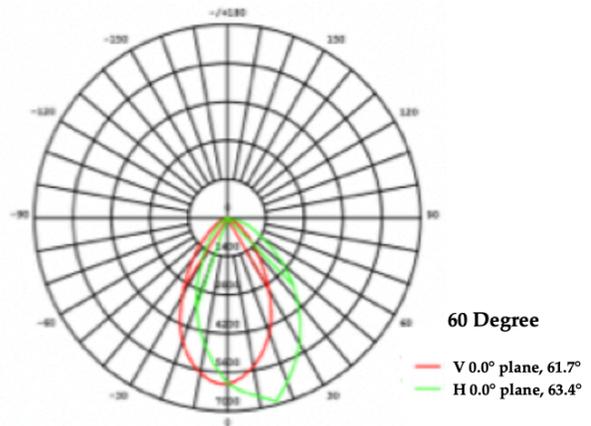
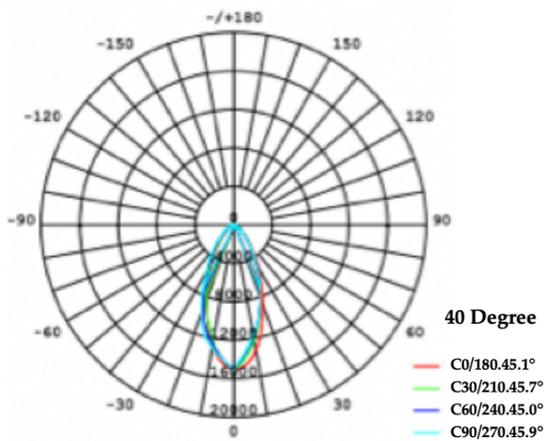


25° Direct Mounting Arm

Light Distribution

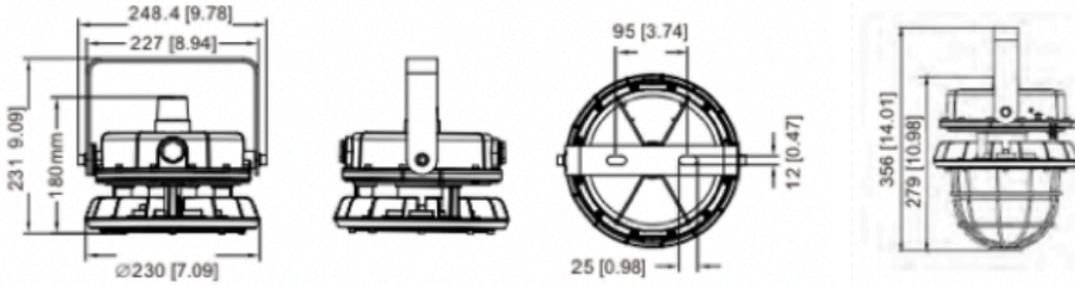


Photometric

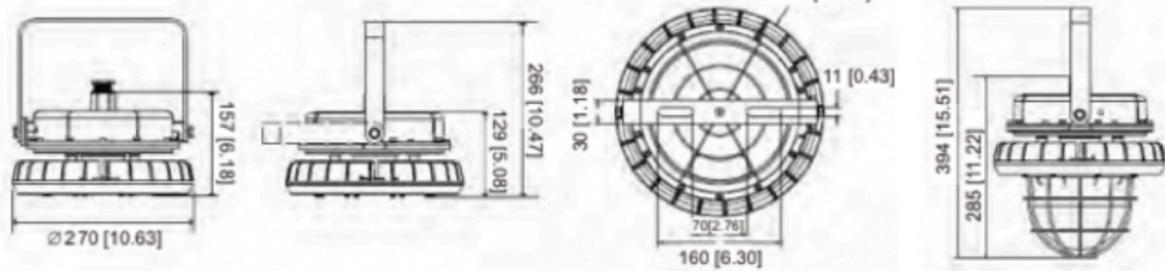


Product Dimensions

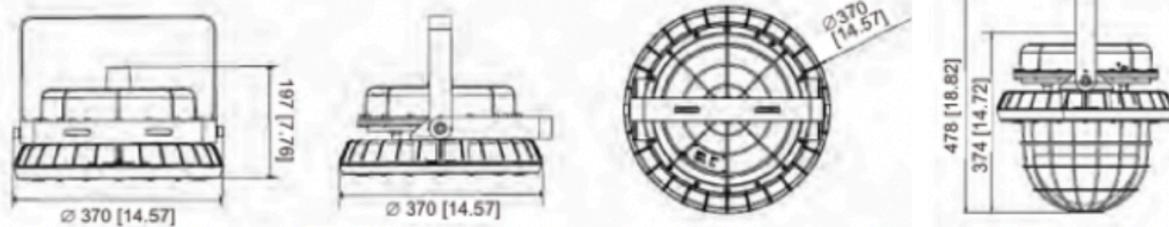
B2



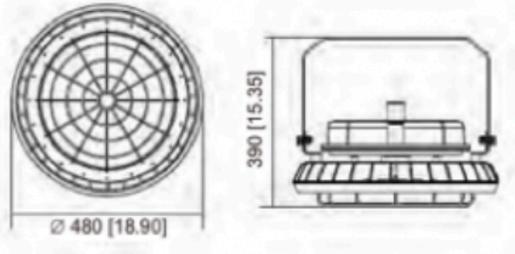
B



B3



B4

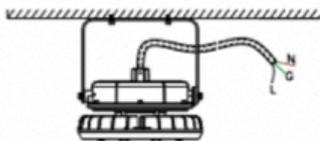


Packaging Information

	B2	B	B3	B4
Pieces	1	1	1	1
Fixture Dimensions	See Product Dimensions Drawing	See Product Dimensions Drawing	See Product Dimensions Drawing	See Product Dimensions Drawing
Package Dimensions	14.17 x 13.94 x 10.24 IN (360 x 354 x 260 MM)	15.75 x 13.78 x 9.84 IN (400 x 350 x 250 MM)	19.69 x 18.90 x 11.42 IN (500 x 480 x 290 MM)	23.23 x 23.23 x 12.20 IN (590 x 590 x 310 MM)
Net Fixture Weight	3.5 kg/7.72 lb	4.4 kg/9.70 lb	8.2 kg/18.08 lb	17.0 kg/37.48 lb.
Gross Weight	5.0 kg/11.02 lb	5.65 kg/12.46 lb	10.6 kg/23.37 lb	20.5 kg/45.19 lb

Mounting Methods

Option 1: Ceiling Mounting



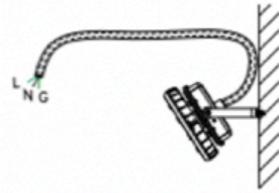
Accessory



Bracket

Option 2: Wall Mounting

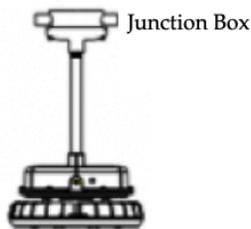
Accessory



Bracket

Option 3: Pole Pendant Mounting (Vertical)

Accessory

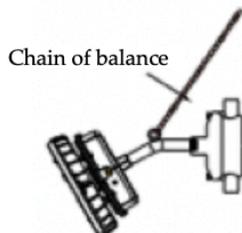


Junction Box

Straight Pipe

Option 4: Pole Pendant Mounting (Non-Vertical)

Accessory



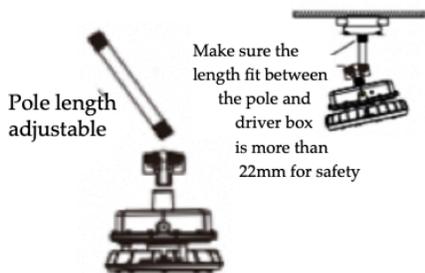
Junction Box

Bended Pipe

Straight Chain

Option 5: Pole Pendant Mounting (Adjustable Pole Installation)

Accessory

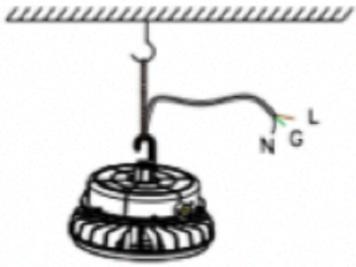


Junction Box

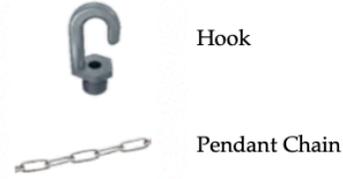
Straight Pipe

Pendant Direction Adapter

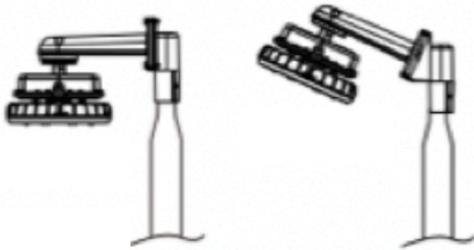
Option 6: Hook Pendant Mounting



Accessory



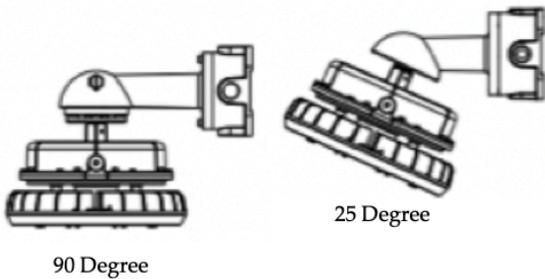
Option 7: Stanchion Mounting



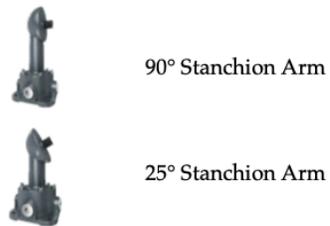
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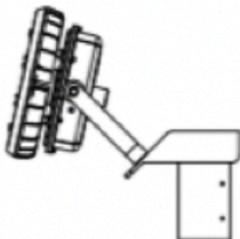
Option 8: Wall Mounting to Junction Box



Accessory



Option 9: Trunnion Mounting (Only for B and B2)



Accessory



Cable Installation

Compatible with NPT1 thread with an adapter

