

HLL A

CB ABS LISTED LISTED LISTED



Class 1 Division 2

Key Features

FEATURES: Low-Bay/High-Bay Area Light (Rugged)

11 Mounting Styles

High Im/W

OPTIONS: 4 Body Sizes

High Voltage

40°, 60°, 90° or 120° Emergency Back-Up

www.bpologhting.com 1 of 11

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 Locations
UL 1598A Marine Saltwater

IP66
IK08 (Without Wire Guard)
IK10 (With Wire Guard)
1000 Hours Salt Spray
ETL (ATM for Report 105342415DAL-001)
ABS
CB (Ref. Certif. No.: DE 2-038462-M1)
EX II 3G Ex ec IIC T6...T3 Gc
EX II 2D Ex tb IIIC T85°C...T103°C Db IP66
Ex ec IIC T6...T3 Gc
Ex tb IIIC T85°C...T100°C Dbn IP66
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 handeling
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

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

www.bpologhting.com 2 of 11

Specif	ica	atio	o n s	S							
Wattage	20W	40W	60W	80W	100W	150W	180W	200W	250W	300W	400W
Body		A2		,	4		A3			A4	
OPTICAL								·	·	ŕ	
Lumen Output	2800 lm	5600 lm	8400 lm	11200 lm	14000 lm	21000 lm	25200 lm	28000 lm	35000 lm	42000 lm	56000 lm
Lumens Per Watt	140 lm/W										
Color Temperature: CCT	5000K (standard), 3000-6500K optional										
CRI (Color Rendering Index)	> 70										
Beam Angle	120° Standard 40°, 60°, 90° option										
Dimming	0-10V dimming										
ENVIRONMENTAL											
Ambient Operating Temperature	-40°C to +40°C (-40°F to +104°F): Models A2, 20-40W		-40°C to +40°C (-40°F to +104°F): Models A, 40-120W -40°C to +50°C (-40°F to +122°F): Models A, 40-100W, Class I Division 2 Group A, B, C, D;		-40°C to +40°C (-40°F to +104°F): Models A3, 20-200W		-40°C to +55°C (-40°F to +131°F): Models A4, 20-300W -40°C to +40°C (-40°F to +104°F): Models A4, 20-400W				
Temperature Code											
MECHANICAL											
Housing Material Die-cast aluminum											
Lens Diffuser	Tempered glass & PC										
Hardware	Stainless Steel										
Fixture Color	Grey RAL7040 (Standard)										
Mounting	Ceiling, Wall, Hook, Trunnion, Pole, Stanchion										
Cable Entry	Top: 3/4" NPT (standard); Side: 3/4" NPT (standard); M20, M25, 1/2" NPT Option										
Warranty	5-Year Standard Warranty										

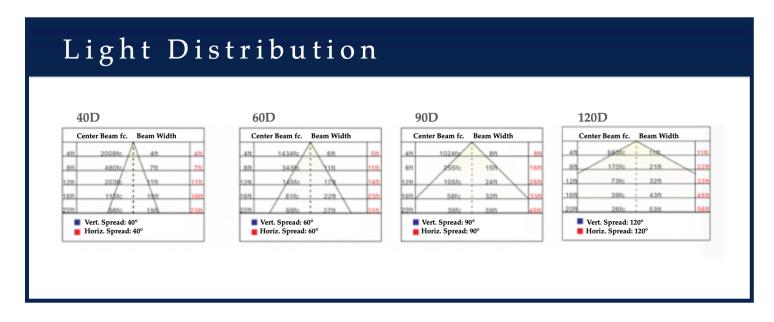
www.bpologhting.com 3 of 11

ELECTRICAL						
Lifespan	L70> 78,000 Operational Hours @ 55°C					
Input Voltage	120-277VAC, 277-480VAC					
Input Frequency	50/60Hz					
Power Factor	> 0.95					
·						
EMERGENCY						
Emergency Time	A2: No emergency function	A/A3/A4: Optional				

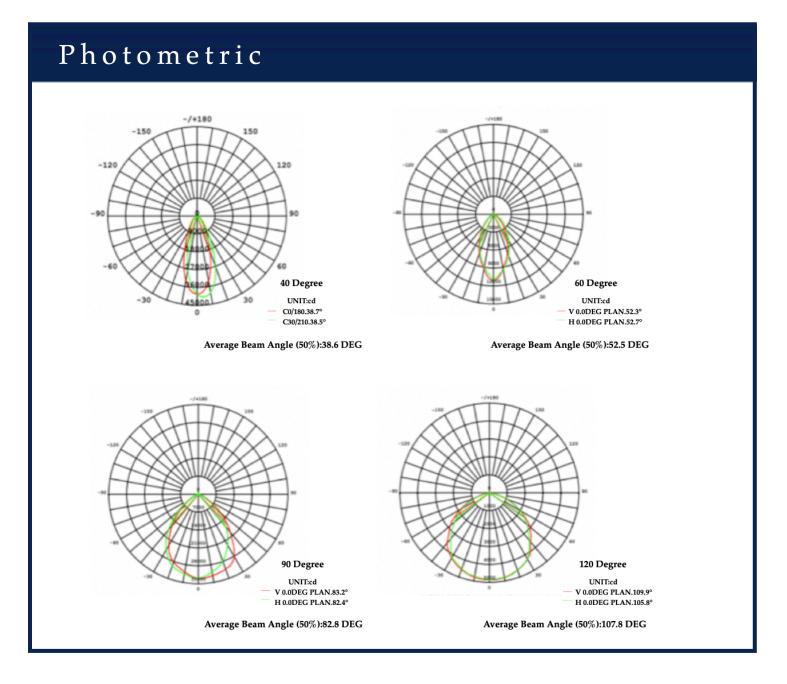
ORDER EXAM	PLE: HLL A EX 150W A3 D	5K 120			
1) Product	(2) Product Category	(3) Wattage	(4) Shape Series	(5) Dimming	(6) Kelvin
HLL A	EX - Explosion Proof	20W (2,800 lm)	A - 80/100W	D - Dimmable	3K - 3000 K
		40W (5,600 lm)	A2 - 20/40/60W	N - Non-Dimmable	4K - 4000 K
		60W (8,400 lm)	A3 - 150/180/200W		5K - 5000 K(S)
		80W (11,200 lm)	A4 - 250/300/400W		
		100W (14,000 lm)			
		150W (21,000 lm)			
		180W (25,200 lm)			
		200W (28,000 lm)			
		250W (35,000 lm)			
		300W (42,000 lm)			
		400W (56,000 lm)			
7) Beam Angle	e (8) Cover Option		(9) Voltage	(10) Optional	
40 - 40° Blank - Non Long		Glass Clover	Blank - U 100-277	Blank - Without Emergen	cy Function
60 - 60°	C - Long Glass Co	C - Long Glass Cover		EM - Emergency Back Up*	
90 - 90°					
120 - 120° (S)					

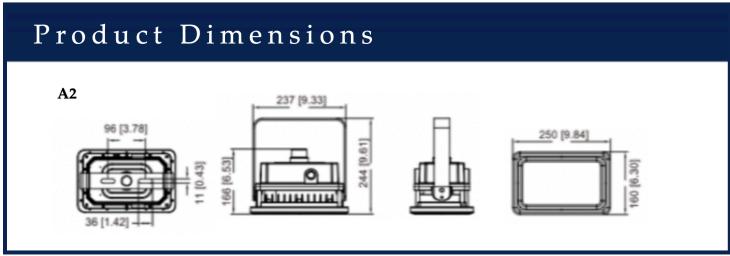
www.bpologhting.com 4 of 11



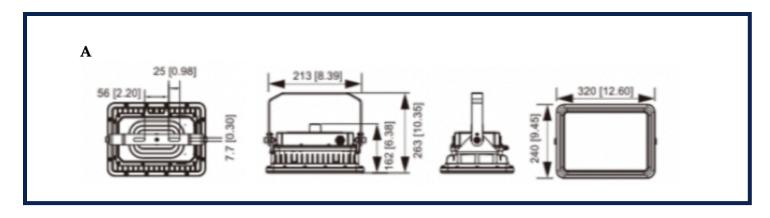


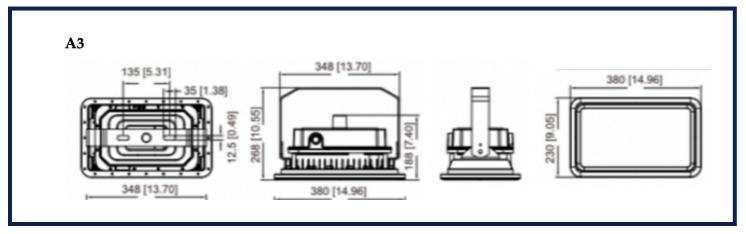
www.bpologhting.com 5 of 11

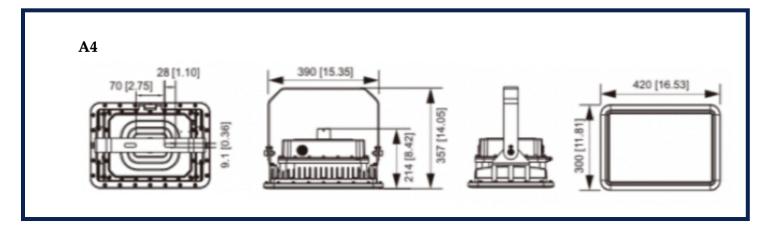




www.bpologhting.com 6 of 11



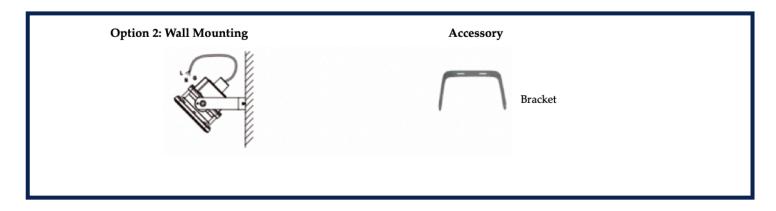




www.bpologhting.com 7 of 11

Packaging Information							
	A2	A	А3	A4			
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	14.37 x 10.63 x 12.01 IN (365 x 270 x 305 MM)	14.76 x 13.39 x 8.46 IN (375 x 340 x 215 MM)	19.09 x 13.39 x 14.37 IN (485 x 340 x 365 MM)	20.08 x 18.90 x 13.78 IN (510 x 480 x 350 MM)			
Net Fixture Weight	4.15 kg/9.15 lb	6.95 kg/15.32 lb	8.30 kg/18.30 lb	15.1 kg/33.29 lb			
Gross Weight	5.30 kg/11.68 lb	7.90 kg/17.42 lb	10.30 kg/22.71 lb	15.80 kg/34.83 lb			

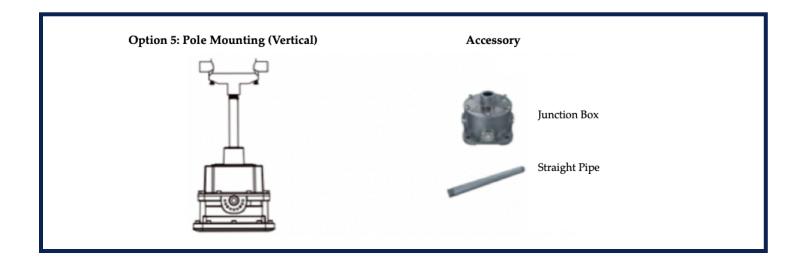




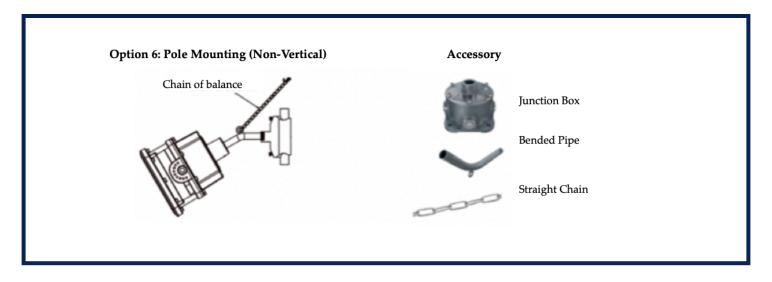
www.bpologhting.com 8 of 11

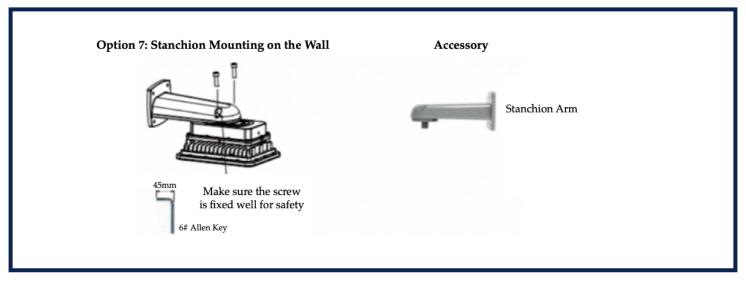


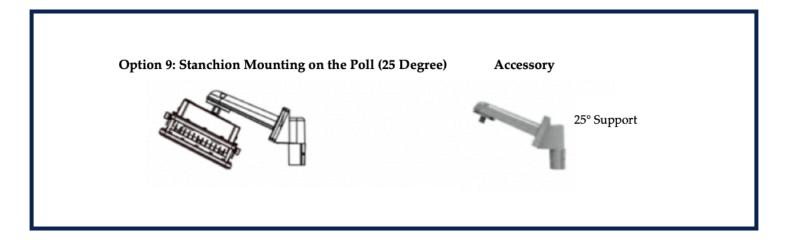




www.bpologhting.com 9 of 11

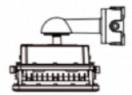






www.bpologhting.com 10 of 11

Option 10: Wall Mounting with Junction Box (90 Degree)

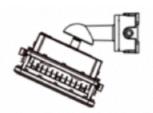






90° Stanchion Arm

Option 11: Wall Mounting with Junction Box (25 Degree)



Accessory



90° Stanchion Arm

www.bpologhting.com 11 of 11