



BPO LIGHTING
Hazardous Area Lighting

HLL ST



ST1

ST2



Class 1 Division 2

Key Features

- FEATURES:** Street Light (Rugged)
High lm/W
7 Mounting Styles
- OPTIONS:** 2 Body Sizes
40°, 60°, 90°, 120°, T3 or T5

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
Class III
UL 1598 Suitable for Wet Locations

IP66
IP67
IK06 (without wire guard)
IK07 (without wire guard)
IK09 (with wire guard)
1000 hours salt spray
Ex II 2 G Ex eb mb IIC T6... T4 Gb (Zone 1)
Ex II 2 D Ex tb IIIC T95°C... T125°C Db 166 (Zone 1)
Ex II 3G Ex ec mb IIC T6... T4 Gc (Zone 2)
Ex II 2D Ex tb IIIC T80°C... T125°C Db (Zone 2)
Ex eb mb IIC T6...T4 Gb (Zone 1)
Ex tb IIIC T95°C... T125°C Db IP66 (Zone 1)
Ex ec mb IIC T6...T4 Gc (Zone 2)
Ex tb IIIC T80°C... T125°C Db (Zone 2)

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	200W	250W	100W	150W
Body	STA1	STA2		

OPTICAL

Lumen Output	28000lm	35000lm	14000lm	21000lm
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°, T3, T5 option			
Dimming	0-10V dimming			

ENVIRONMENTAL

Ambient Operating Temperature	-40°C to +55°C (-40°F to +131°F)
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MECHANICAL

Housing Material	ADC 12 Aluminum
Lens Diffuser	Tempered Glass
Hardware	Stainless Steel
Mounting	Pole, Trunnion, Arm, Slip Fitter, Bracket, Stanchion
Warranty	5 Year Standard Warranty

ELECTRICAL

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

Ordering Logic

ORDER EXAMPLE: HLL ST EX 150W STA2 D 5K 120

(1) Product	(2) Product Category	(3) Wattage	(4) Shape Series
HLL ST	EX - Explosion Proof	100W (14,000 lm) 150W (21,000 lm) 200W (28,000 lm) 250W (35,000 lm)	STA1 - 200/250W STA2 - 100/150W
(5) Dimming		(6) Kelvin	(7) Beam Angle
D - Dimmable N - Non-Dimmable		3K - 3000 K 4K - 4000 K 5K - 5000 K (S)	40 - 40° 60 - 60° 90 - 90° 120 - 120° (S) T3 T5

(S) Standard

Accessories



Hardware Mounting Bracket



Slip Fitter Mounting Kit



Trunnion Mounting Kit



Light Pole Mounting Bracket



Arm Mounting Kit A



Hoop

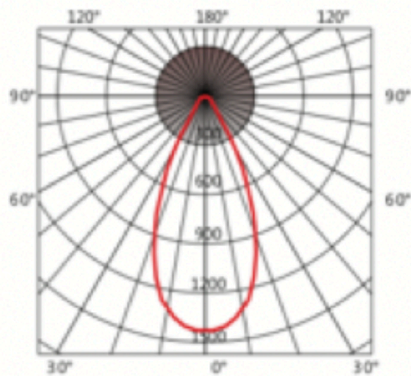


Adapter Bracket

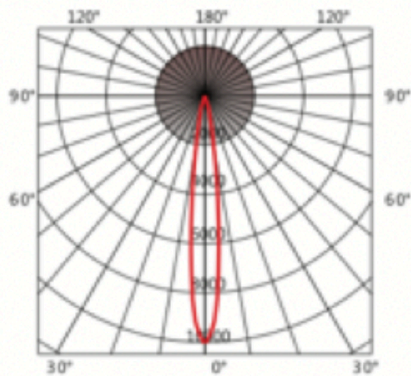


Adjustable Arm Mounting Kit B

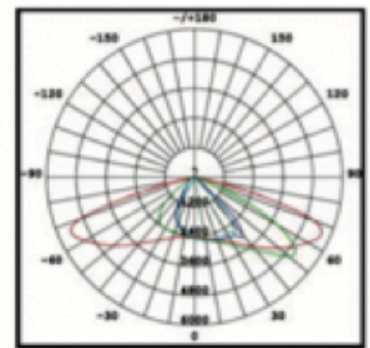
Light Distribution



Ratio of Distance to Height: 0.7

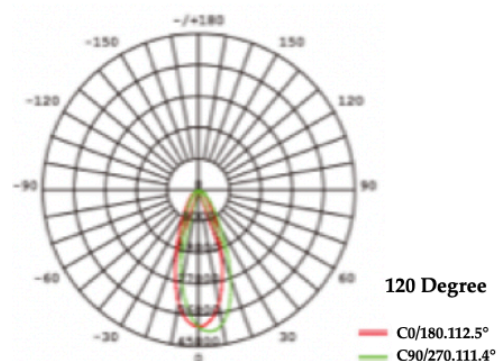
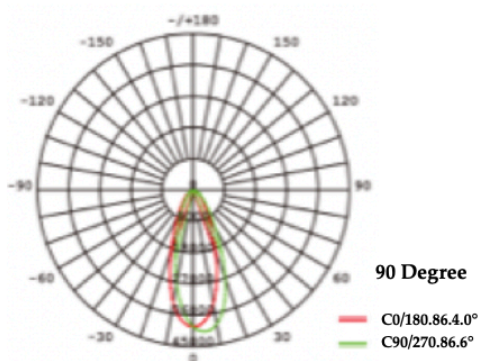
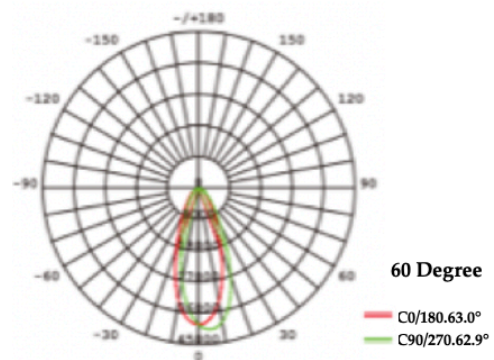
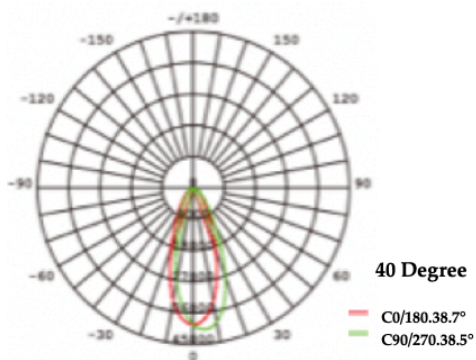


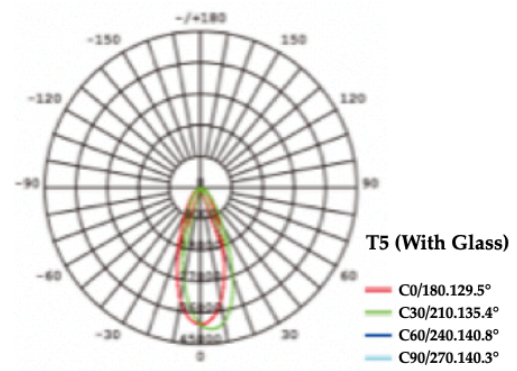
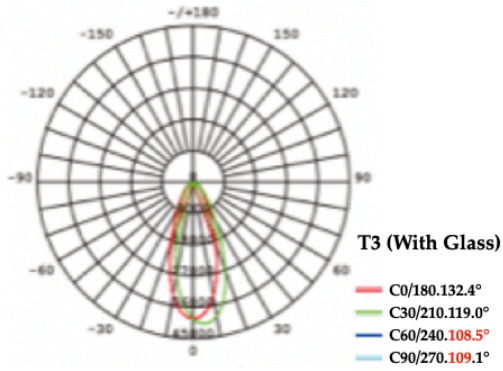
Ratio of Distance to Height: 0.23



Type III

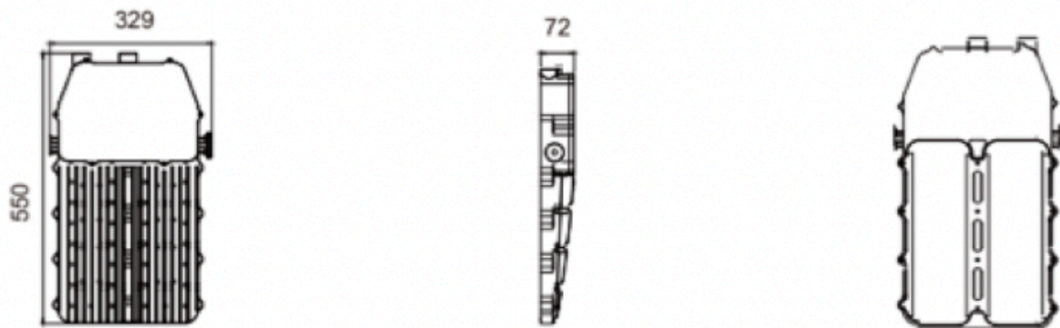
Photometric



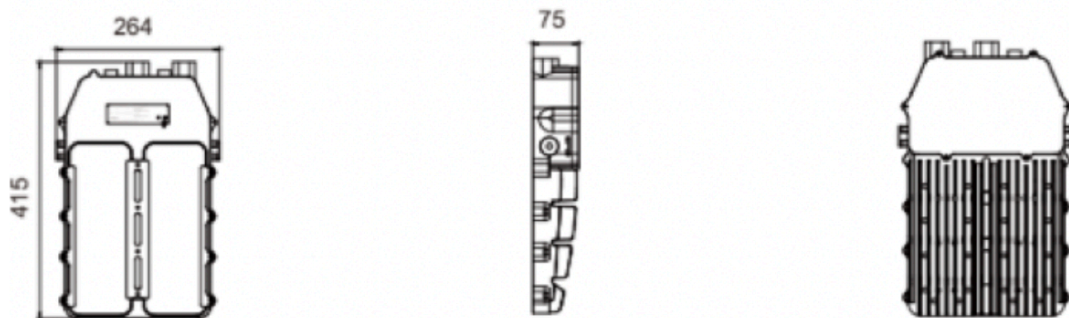


Product Dimensions

ST1



ST2

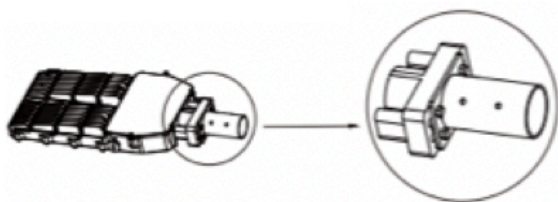


Packaging Information

	STA1	STA2
Pieces	1	1
Fixture Dimensions	See Product Dimensions Drawing	See Product Dimensions Drawing
Package Dimensions	33.66 x 14.76 x 8.89 IN (855 x 375 x 226 MM)	22.05 x 12.60 x 5.00 IN (560 x 320 x 127 MM)
Net Fixture Weight	20.94 lb 9.5 kg	14.33 lb 6.5 kg
Gross Weight	23.15 lb 10.5 kg	16.53 lb 7.5 kg

Mounting Methods

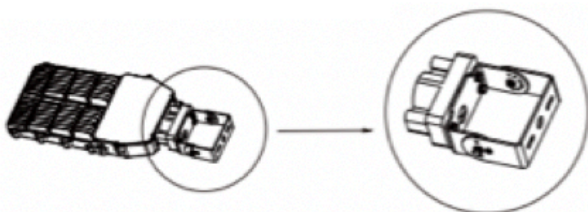
Option 1: Pole Mounting



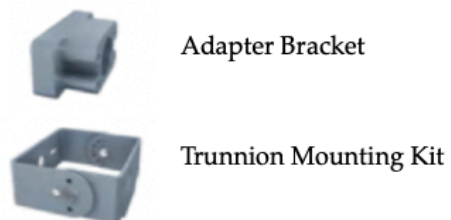
Accessory



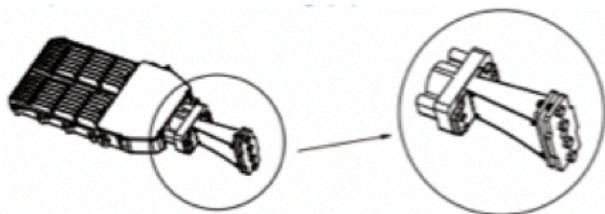
Option 2: Trunnion Mounting



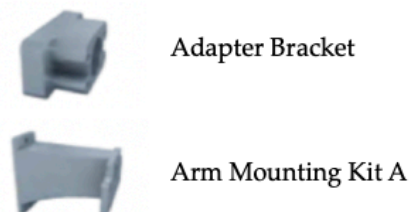
Accessory



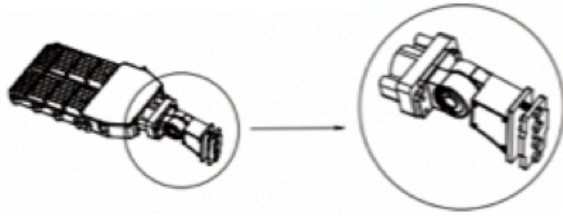
Option 3: Arm Mounting (A)



Accessory



Option 4: Arm Mounting (B)



Accessory

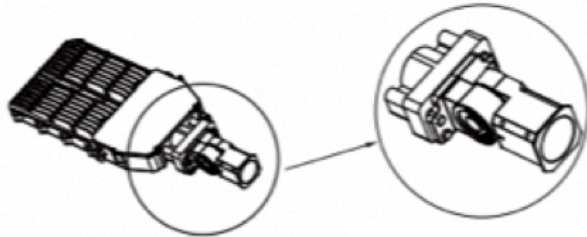


Adapter Bracket



Arm Mounting Kit B

Option 5: Slip Fitter Mounting



Accessory

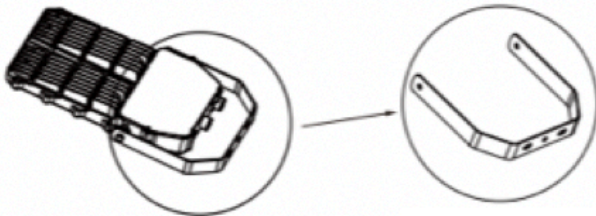


Adapter Bracket

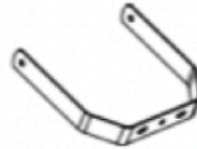


Slip Fitter
Mounting Kit

Option 6: Bracket Mounting

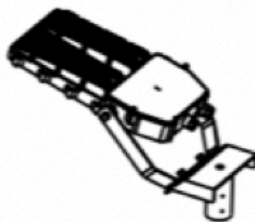


Accessory



Steel Bracket

Option 7: Stanchion Mounting



Accessory



Stanchion Bracket