



LED HARSH ENVIRONMENT LIGHT (HEL01)

(NON-HAZARDOUS)

Applications:

Suitable for marine, off-shore drilling, oil and gas, petrochemical, power generation, refineries and metals industries and all harsh environment applications.

FEATURES

Construction:

- Corrosive resistant die-cast aluminum housing suitable for harsh environments
- Compact design and light weight for ease of installation without restrictions on space
- Precision machining and silicone gasket materials makes this light suitable for harsh environments, rated at IP66

Optics:

- Glass diffuser is standard, polycarbonate is optional
- Superior color rendition index compared to HPS
- Lumen package from 3,090 to 11,333 lumens
- Replacing 50W to 250W HID
- Offering 115° beam angle with superior light uniformity

Electrical:

- Input power ranging from 22W TO 90W
- Operating voltage is 100-277VAC/277-480VAC optional
- Power Factor >93%

Ambient Temperature:

- Operating temperature is -20°C to 55°C (-4°F to 131°F)

Mounting:

- Pendant, Wall, Ceiling, Stanchion, and Trunnion mounting optional

Finish:

- Electrostatic powder coat gray paint is standard, other colors are optional

Certifications:

- UL Listed - Wet Location
- Standard 5-Year Limited Warranty

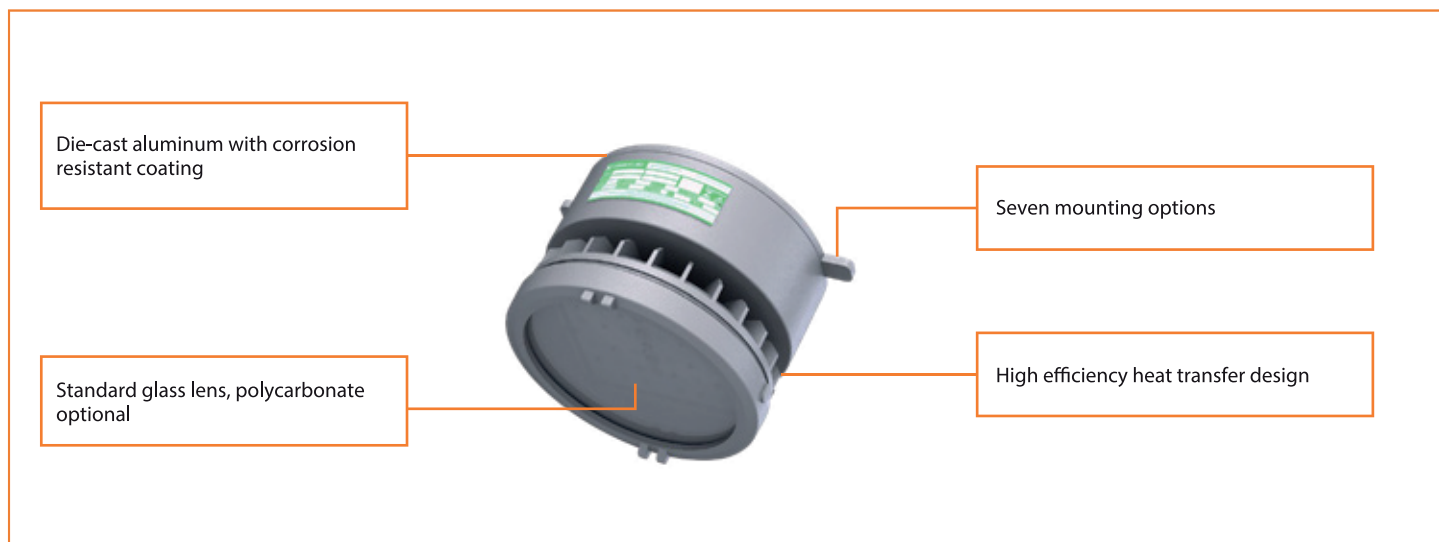


Body 1
22W/29W/41W



Body 2
58W/76W/90W





SPECIFICATIONS

Model	AO-HEL01					
Wattage	22W	29W	41W	58W	76W	90W
Input Voltage	100-277VAC / 480V Optional					
Frequency	50/60Hz					
Power Factor (at full load)	>0.98 @ 115VAC, >0.95@230VAC >0.93@277VAC					
Conditions of Use	Altitude: 1500m / Temperature+40°C / Ambient Temperature :-20°C ~ 55°C / Relative Humidity 100%					
Driver Protection	Overcurrent, Short Circuit, Overheating					
Ingress Rating	IP66					
Impact Rating	IK08					
Surge Protection	10Ka					
Color Rendering Index	>80					
ColorTemperature (CCT)	5000K					
Beam Angle	115°					
Light Depreciation Factor	10% @ 60,000h @ 1,0A e Tj=65°C					
Estimated Service Life	100,000 Hrs (L70)					
Luminous Flux	3090 lm	4021 lm	5221 lm	8042 lm	9455 lm	11332 lm
Efficacy	140 lm/w	138 lm/w	127 lm/w	138 lm/w	126 lm/w	126 lm/w
Body Material	Aluminum					
Lens Material	Standard 4mm glass / 4mm Polycarbonate optional					
Threaded Entry	3/4" NPT, M25 optional					

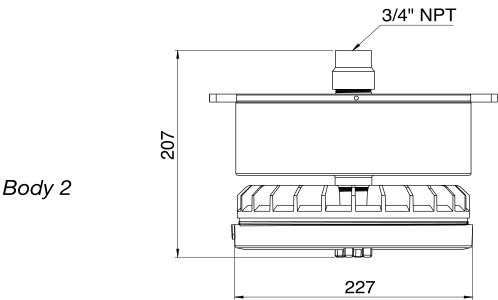
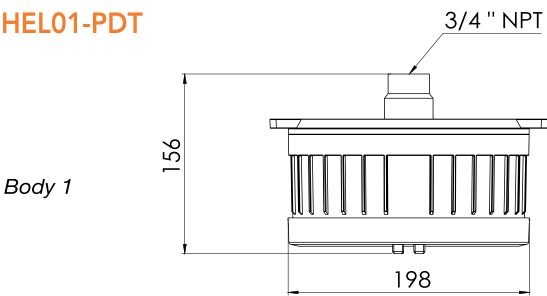
DIMENSIONS / WEIGHTS

Model	HEL01-PDT	HEL01-A30	HEL01-A90	HEL01-PLF	HEL01-SP3	HEL01-SP9	HEL01-ALC
Size - Body 1	198x156mm	363x231mm	342x214mm	228x116mm	350x205mm	340x192mm	236x218mm
Size - Body 2	227x207mm	401x284mm	355x266mm	274x169mm	388x259mm	352x243mm	320x278mm
Weight - Body 1	2.8Kg	3.5Kg	3.5Kg	2.8Kg	3.8Kg	3.8Kg	3.1Kg
Weight - Body 2	4.9Kg	5.6Kg	5.6Kg	4.9Kg	5.9Kg	5.9Kg	5.2Kg
Installation	Fixed Pendant	Wall 30°	Wall 90°	Ceiling	Stanchion 30°	Stanchion 90°	Trunnion

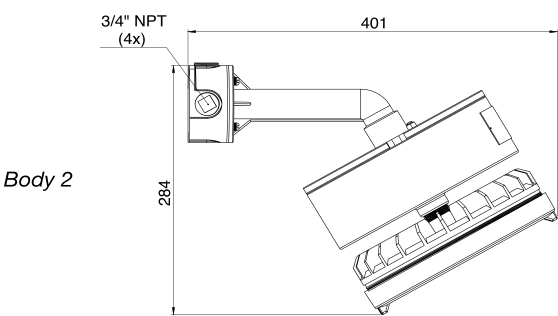
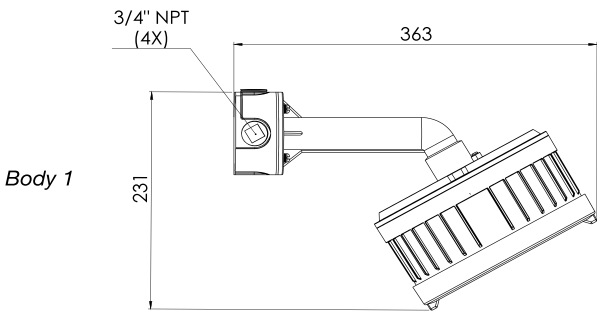
Model	AO-HEL01					
Wattage	22W	29W	41W	58W	76W	90W
Replacement Wattage	HID 50W	HID 70W	HID 100W	HID 150W	HID 200W	HID 250W

DIMENSIONS

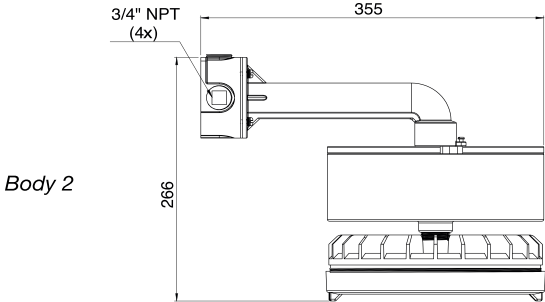
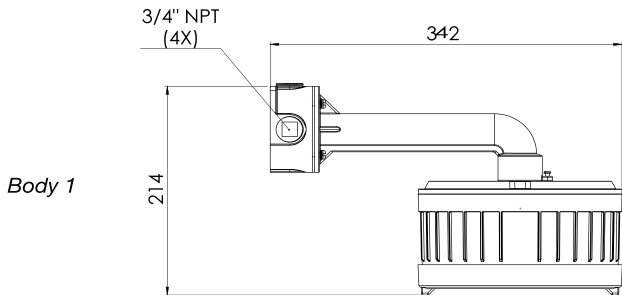
HEL01-PDT



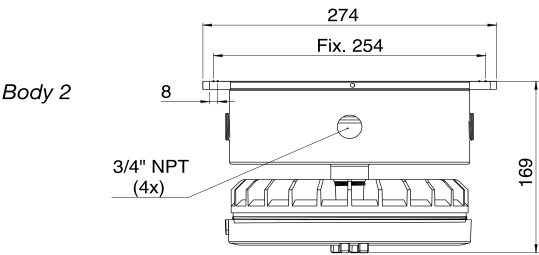
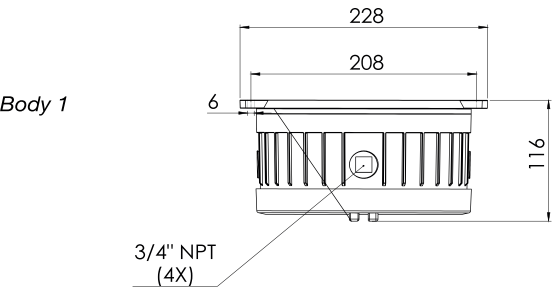
HEL01-A30



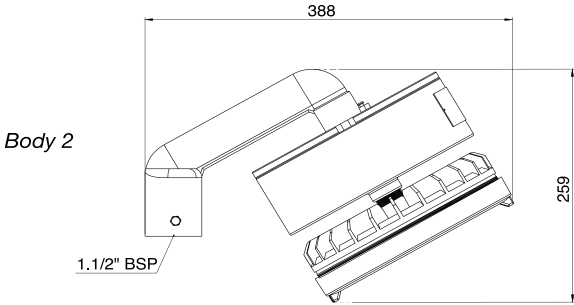
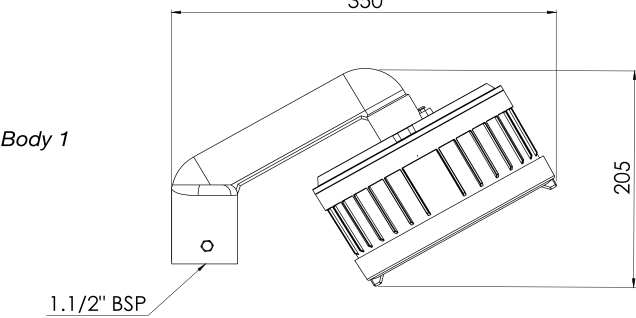
HEL01-A90



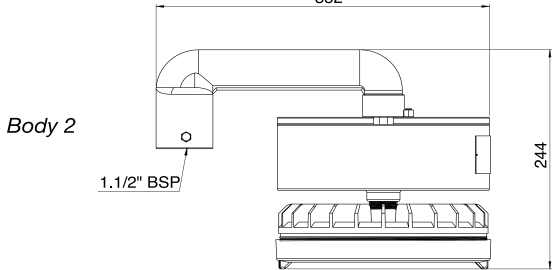
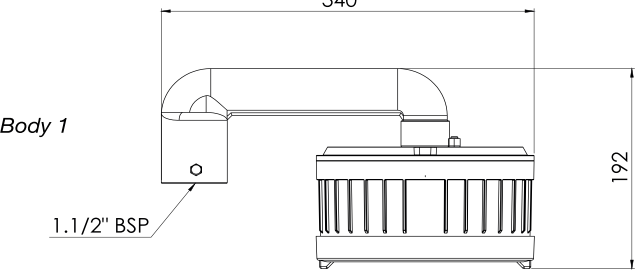
HEL01-PLF



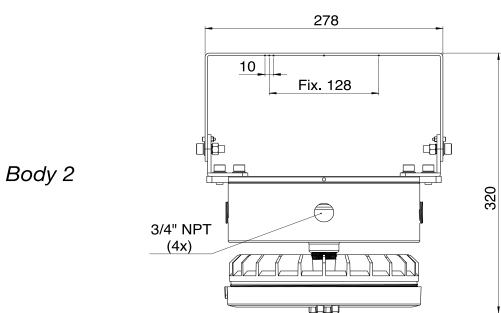
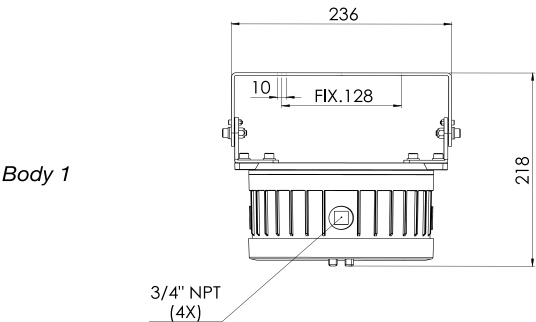
HEL01-SP3



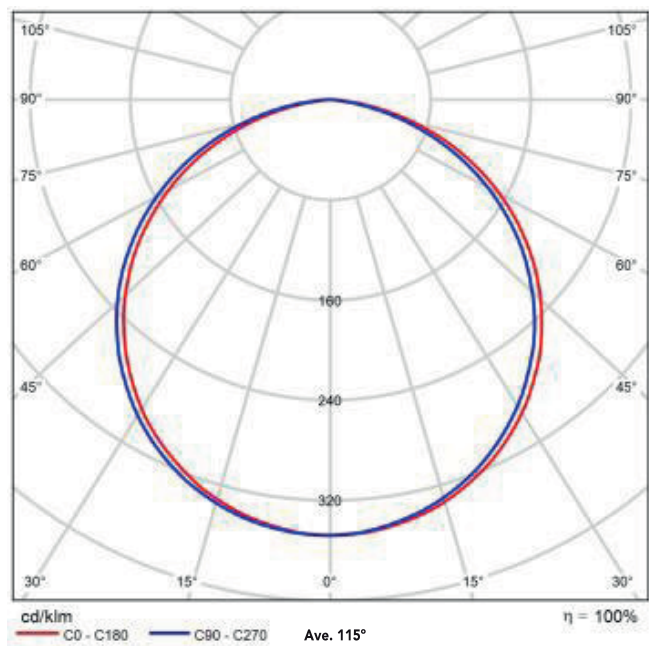
HEL01-SP9



HEL01-ALC



PHOTOMETRICS



ORDERING GUIDE

Example: AO-HEL01-22-LV-50-PDT-DP

Fixture Type	Wattage	Voltage	CCT	Mounting Options	Accessories
AO-					
HEL01 Harsh Environment Series	22 22W 29 29W 41 41W 58 58W 76 76W 90 90W	LV 110-277VAC HV 277-480VAC	50 5000K	PDT Pendant A30 Angle 30° A90 Angle 90° PLF Surface SP3 Stanchion 30° SP9 Stanchion 90° ALC Trunnion	DP Polycarbonate Diffuser TA Anchor Safety Eye Terminal CR¹ Custom Paint Color PC34 3/4" Cable Gland M25 M25 Cable Gland

Note: 1. Add color paint code to order number.



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Specifications are subject to change without notice.
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