



LED HARSH ENVIRONMENT LINEAR LIGHT (HEL01)

(NON-HAZARDOUS)

Applications:

Suitable for industrial and commercial applications, replacing traditional fluorescent luminaires while providing energy savings and reducing maintenance costs. Ideal for non-hazardous and harsh industrial environments such as food processing, storage freezers, metals, power generation, aggregate and mining. Works great in traditional commercial settings as well.

FEATURES

Construction:

- Extruded Aluminum alloy body with superior heat transfer
- Robust design for harsh environments, IP 66 rated
- Slim and compact design for ease of installation in limited spaces
- IP66 rated for dust and wet locations

Optics:

- Polycarbonate lens designed for shock and anti-vibration
- Advanced optical system, provides superior uniformity and reduces glare
- Lumen package from 2,893 to 12,186 lumens
- Offering 120° beam angle

Electrical:

- Input power ranging from 20W to 90W
- Operating voltage is 100-277 VAC
- Power Factor >95%, THD <15%

Ambient Temperature:

- Operating temperature is -40°C to 40°C (-40°F to 104°F)

Mounting:

- Surface mount is standard; cable tray and pipe support are optional

Finish:

- Extruded aluminum alloy with frosted polycarbonate diffuser

Certifications:

- UL Listed – 1598
- Canada: CSA C22.2, No. 250
- Standard 5-Year Limited Warranty



20W
2 FT



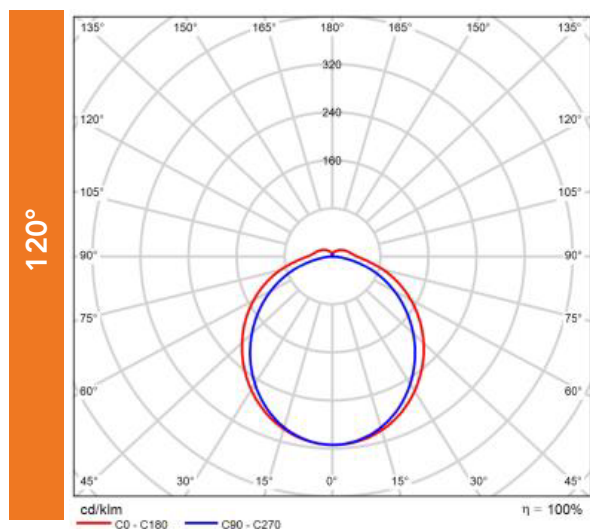
40W/50W/65W/90W
4 FT



SPECIFICATIONS

Model	AO-HEL01-2FT	AO-HEL01-4FT			
Wattage	20W	40W	50W	65W	90W
Input Voltage	100~277V				
Frequency	50/60Hz				
Power Factor (at full load)	>0.95, THD <15%				
Conditions of Use	Altitude: 1500m / Average air temperature: +35°C / Ambient air temperature: -40°C ~ +40°C / Relative air humidity: up to 100%				
Driver Protection	Short Circuit, Overvoltage, Overcurrent, Overheating				
Ingress Rating	IP66				
Impact Rating	IK08				
CRI	>80				
CCT	5000K (±275K)				
Beam Angle	120°				
Estimated Service Life	100000h (L70 B50)				
Luminous Depreciation Factor	< 10% @ 50000hrs				
Luminous Flux	2893 lm	5503 lm	6627 lm	8560 lm	12186 lm
Efficacy	145 lm/W	138 lm/W	133 lm/W	132 lm/W	134 lm/W
Body Material	Extruded Aluminum Alloy				
Lens Material	Frosted Polycarbonate				
Mounting	Surface, Cable Tray and Pipe Support				
Weight	1Kg	2,2Kg	2,2Kg	2,2Kg	2,2Kg
Dimensions (AxBxC)	614 x 73 X 91 mm	1175 x 73 X 91mm	1175 x 73 X 91mm	1175 x 73 X 91mm	1175 x 73 X 91mm
Fluorescent Equivalent	2x 16W / 2x 20W	2x 32W / 2x 36W / 2x40W	3x T5 HO 20W 2x T8 58W	4x T5 HO 35W 3x T5 58W	5x T5 HO 35W 4x T5 58W

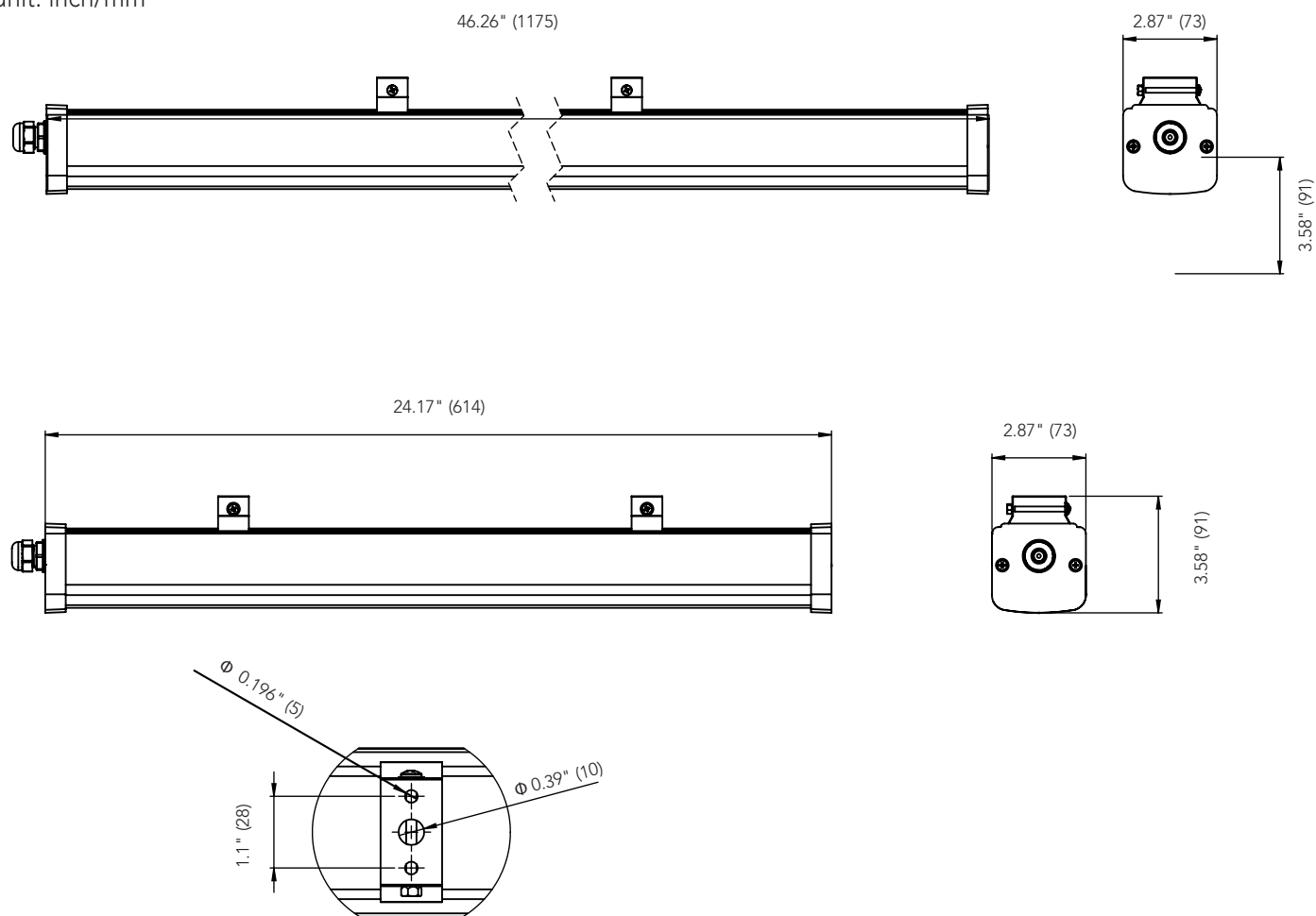
PHOTOMETRICS



*Candelas for 1000 lumens

DIMENSION

unit: inch/mm



Surface Mount Detail Scale 2 : 3

ORDERING GUIDE

Example: AO-HEL01-20-LV-50-CTS

Fixture Type	Wattage	Voltage	CCT	Options
AO-				
HEL01 Harsh Environment Linear Series	20 20W 40 40W 50 50W 65 65W 90 90W	LV 110-277VAC 12 12VDC 24 24VDC	50 5000K 65 6500K	CTS Cable Tray Support PS Pipe Support CP Custom Paint Color

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

Actual performance may differ as a result of end-user environment and application. All values are design or calculated values measured in laboratory conditions. Specifications subject to change without notice.



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