

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

STELLAR LUMEN MULTIVERSE FIXTURE



The Stellar Lumen Multiverse Fixture provides ultra-high performance in hazardous locations, including oil & gas refineries, drilling rigs, chemical facilities, food processing, and other areas with flammable vapors, gases, & dust. This hazloc luminaire is waterproof, dustproof, anti-corrosion, and anti-vibration. Wattages available from 30W-240W, with efficiency up to 140 lm/W. Class and Division ratings include CID2, CIID1, and CIID2. The fixture has IP66 rating, IK08 impact rating, optional wireguard, six mounting options, and a 10-year non-prorated warranty.

FEATURES

- Marking UL844 Hazardous Locations: CID2, CIID1, and CIID2
- 30W-240W models
- Up to 33,600 lumens and up to 140 lm/W
- IP66 rating
- IK08 impact rating
- Ceiling / Pendant / Wall / 25° Stanchion / 90° Stanchion / Trunnion mounts
- Marine rated aluminum alloy housing, powder-coat finish, & PC or tempered glass lens, and stainless steel hardware
- Optional wire guard
- 1-10V dimmable, DALI dimmable, non-dimmable, emergency battery backup
- 10-year non-prorated warranty

APPLICATIONS

- Oil & gas refineries
- Drilling rigs
- Chemical facilities
- Food processing
- Other areas with flammable vapors, gases, & dust



ORDERING INFORMATION

MODEL NUMBER	POWER	LUMENS	VOLTAGE	CRI	CCT	MIN. ORDER QTY	US STOCK
ECO-CGA-HA05-30W-SL	30W	4,200	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-50W-SL	50W	7,000	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-75W-SL	75W	10,500	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-100W-SL	100W	14,000	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-120W-SL	120W	16,800	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-150W-SL	150W	21,000	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-180W-SL	180W	25,200	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-200W-SL	200W	28,000	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes
ECO-CGA-HA05-240W-SL	240W	33,600	100-277VAC or 277-480VAC	70+/80+/90+	2000K-6500K 5000K standard Red, Green, Blue, Amber	2	Yes

TECHNICAL SPECIFICATIONS

Optical Distributions	Type I, Type III, Type V
CRI	70+ / 80+ / 90+
CCT	2000K-6500K, 5000K standard, Red, Green, Blue, Amber
Efficacy	Up to 140 Lm/W (5000K, 70+CRI)
Input Voltage	100-277VAC or 277-480VAC
Power Frequency	50-60 Hz
Power Factor	>0.90
Control Options	1-10V dimmable, DALI dimmable, non-dimmable, emergency battery backup
Surge Protection	10kV line-line, 10kV line-earth
Certifications	UL844 Hazardous Locations: –Class I, Division 2, Groups A, B, C, D –Class II, Division 1, Groups E, F, G –Class II, Division 2, Groups F, G –Class III –Class I, Zone 2, Group IIC –Zone 20, 21, or 22 Wet location & marine location rated Type 4X
IP Rating	IP66
Impact Rating	IK08
Housing Material	Aluminum alloy (<0.4% copper content), powder coat finish, polycarbonate or tempered glass lens, and stainless steel hardware.

Rated Life	96,000 hours – L80 153,000 hours – L70
Warranty	10 Years or 50,000 hours non-prorated
Net Weight	See Tables 1 & 2 below
Finish	Gray marine rated powder-coated finish.
Mounting	Ceiling / Pendant / Wall / 25° Stanchion / 90° Stanchion / Trunnion mounts
Cable Entries	Ceiling mount / Trunnion mount: 3/4" NPT, M25X1.5, M20X1.5 Wall bracket / Pendant mount: 3/4" NPT, 1" NPT, M25*1.5, M20X1.5 25° Stanchion mount / 90° Stanchion mount: 1-1/4" NPT, 1-1/2" NPT
Operating Temperature	See Table 3 below

*Data is based upon tests performed in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

*IES files provided on request.

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CONTROL OPTIONS

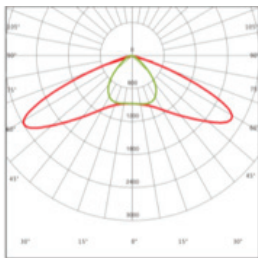
Control Options: 1-10V dimming, DALI dimming, non-dimming.

Optional emergency battery backup for 50W model only:

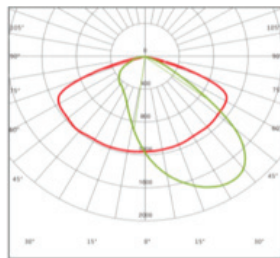
- 9W
- 100-277V only
- Battery capacity: 6.4V 3200mAh
- 90+ minutes emergency operation
- Emergency lumens: 1,620 lumens
- Emergency efficacy: 180 lm/W
- Operating temperature: 32°F to +140°F

PHOTOMETRICS

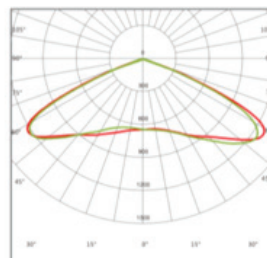
30W-100W



T13801(type I)(96x144°)

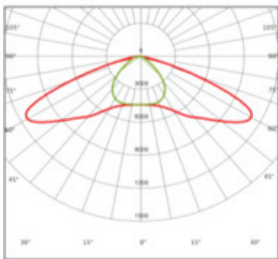


T13803(type III)(62x144°, Tilt45°)

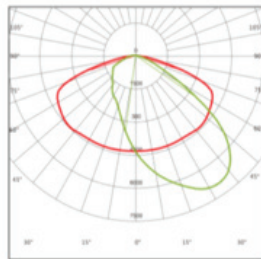


T13805(type V)(140°)

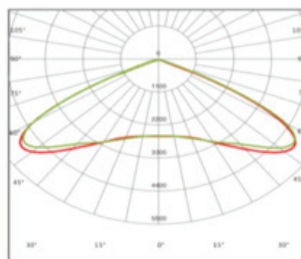
120W-240W



T32001(type I)(99x148°)



T32003(type III)(63x147°)



T32005(type V)(135°)

MOUNTING OPTIONS



Ceiling Mount



Pendant Mount



Wall Bracket



25° Stanchion Mount



90° Stanchion Mount



Trunnion Mount

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DIMENSIONS

30W/50W/75W/100W

Unit: mm/inch

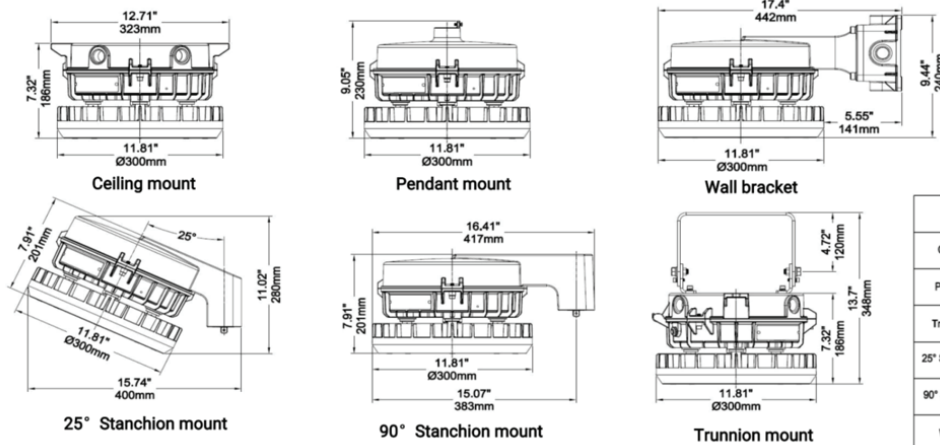


Table 1(30W-100W)

Mounting	Product dimension	Export carton size	Luminaire net weight(±0.3kg)	Gross weight (±0.3kg)
Ceiling mount	323x186mm (12.71"x7.32")	360x360x225mm (14.17"x14.17"x8.86")	6.5±0.3kg (14.33±0.66Lbs)	8.0±0.3kg (17.64±0.66Lbs)
Pendant mount	Φ300x230mm (11.81"x9.05")	360x360x260mm (14.17"x14.17"x10.24")	6.1±0.3kg (13.45±0.66Lbs)	7.9±0.3kg (17.42±0.66Lbs)
Trunnion mount	Φ300x348mm (11.81"x13.7")	360x360x300mm (14.17"x14.17"x11.81")	8.1±0.3kg (17.86±0.66Lbs)	9.7±0.3kg (21.38±0.66Lbs)
25° Stanchion mount	400xΦ300x280mm (15.74"x11.81"x11.02")	530x360x240mm (20.86"x14.17"x9.45")	7.6±0.3kg (16.76±0.66Lbs)	9.9±0.3kg (21.83±0.66Lbs)
90° Stanchion mount	417xΦ300x201mm (16.41"x11.81"x7.91")	530x360x275mm (20.86"x14.17"x10.83")	7.8±0.3kg (17.20±0.66Lbs)	10.1±0.3kg (22.27±0.66Lbs)
Wall bracket	Φ300x442mm (11.81"x17.4")	530x360x275mm (20.86"x14.17"x10.83")	8.5±0.3kg (18.74±0.66Lbs)	11.0±0.3kg (24.25±0.66Lbs)

120W/150W/180W/200W/240W

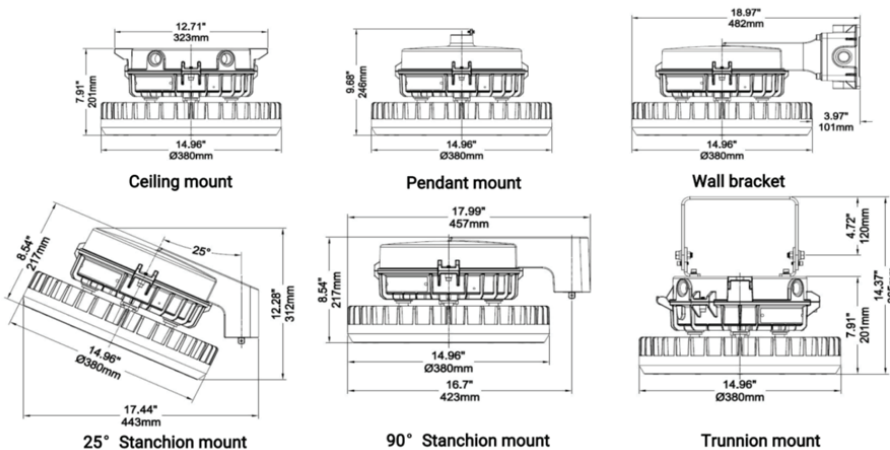


Table 2(120W-240W)

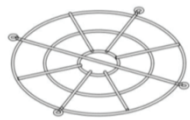
Mounting	Product dimension	Export carton size	Luminaire net weight(±0.3kg)	Gross weight (±0.3kg)
Ceiling mount	Φ380x201mm (14.96"x7.91")	470x470x240mm (18.50"x18.50"x9.45")	9.7±0.3kg (21.38±0.66Lbs)	12.2±0.3kg (26.90±0.66Lbs)
Pendant mount	Φ380x246mm (14.96"x9.68")	470x470x275mm (18.50"x18.50"x10.83")	9.4±0.3kg (20.72±0.66Lbs)	12.0±0.3kg (26.46±0.66Lbs)
Trunnion mount	Φ380x365mm (14.96"x14.37")	470x470x320mm (18.50"x18.50"x12.60")	11.3±0.3kg (24.91±0.66Lbs)	14.1±0.3kg (31.09±0.66Lbs)
25° Stanchion mount	443xΦ380x312mm (17.44"x14.96"x12.28")	570x460x255mm (22.44"x18.11"x10.04")	10.8±0.3kg (23.80±0.66Lbs)	13.8±0.3kg (30.42±0.66Lbs)
90° Stanchion mount	457xΦ380x217mm (17.99"x14.96"x8.54")	570x460x290mm (22.44"x18.11"x11.42")	11.1±0.3kg (24.47±0.66Lbs)	14.0±0.3kg (30.86±0.66Lbs)
Wall bracket	482xΦ380x256mm (18.97"x14.96"x10.08")	570x460x290mm (22.44"x18.11"x11.42")	11.7±0.3kg (25.79±0.66Lbs)	15.3±0.3kg (33.73±0.66Lbs)

OPERATING TEMPERATURE

Item	Product Model	Input Voltage	Rated Power	Tamb	T-Code	
					CL.I Div.2	CL.II & CL.III
1	HA05-030 series HA05-050 series	100-277Vac 277-480Vac	30W	-40°C to +65°C	T5	T5
			50W	-40°C to +60°C	T6	T6
2	HA05-075 series HA05-100 series	100-277Vac 277-480Vac	75W 100W	-40°C to +60°C	T5	T5
3	HA05-120 series	100-277Vac 277-480Vac	120W	-40°C to +65°C	T5	T5
4	HA05-150 series	100-277Vac 277-480Vac	150W	-40°C to +55°C	T5	T5
5	HA05-180 series HA05-200 series HA05-240 series	100-277Vac 277-480Vac	180W 200W 240W	-40°C to +45°C	T5	T5

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ACCESSORIES



Wire Guard

Code: BC-HA05-01 (30W-100W)

Dimension: 235x235x6mm

Surface Treatment: Nickel Plating

Color: Nickel Color

Material: SUS304



Wire Guard

Code: BC-HA05-02(120W-240W)

Dimension: 319x319x6mm

Surface Treatment: Nickel Plating

Color: Nickel Color

Material: SUS304



90° Stanchion mount

Code: BC-HA05-03

Dimension: 407x311x126mm

Surface Treatment: Powder coating

Color: Grey (RAL9007)

Material: Aluminum alloy



25° Stanchion mount

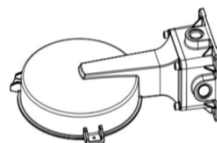
Code: BC-HA05-04

Dimension: 388x311x117mm

Surface Treatment: Powder coating

Color: Grey (RAL9007)

Material: Aluminum alloy



Wall bracket

Code: BC-HA05-05

Dimension: 432x308x155mm

Surface Treatment: Powder coating

Color: Grey (RAL9007)

Material: Aluminum alloy



Ceiling mount

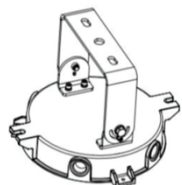
Code: BC-HA05-06

Dimension: 324x308x58mm

Surface Treatment: Powder coating

Color: Grey (RAL9007)

Material: Aluminum alloy



Trunnion mount

Code: BC-HA05-07

Dimension: 324x308x216mm

Surface Treatment: Powder coating

Color: Grey (RAL9007)

Material: Aluminum alloy



Pendant mount

Code: BC-HA05-08

Dimension: 308x280x103mm

Surface Treatment: Powder coating

Color: Grey (RAL9007)

Material: Aluminum alloy