

Description

HA06 is a certified LED Luminaire for Hazardous Locations with waterproof, dustproof, anti-corrosion and shock resistance, well combination of robust structure and outstanding appearance. It's an ideal solution for all types of harsh and hazardous applications.

Key Features

- Seven wattages 20W, 30W, 40W, 50W, 60W, 70W, 80W, 100W, efficiency up to 160lm/w, lumen packages from 3200lm to 16000lm.
- Warm white-cool white color(2000K-6500K) and colored LED R/G/B/AMBER optional.
- Various installation methods such as ceiling mount, trunnion mount, hoop mount, loop mount and pendant mount, are available to meet different installation demands.
- Emergency lighting 9W 1.5 hours
- Well sealed with special structure and materials.
- IP66 & IK08 double protection.

Applications

- Chemical
- Oil, gas and petrochemical
- Pulp and paper
- Foundries
- Manufacturing
- Waste and sewage treatment
- Power generation
- Paint spray booths and so on

Lifespan and Warranty

Operating Temperature	See Table 1 for non-emergency model See Table 2 for emergency model
	77000hrs-L90
Life Time of LED @Ta=25°C	175200hrs-L80 282900hrs-L70
Warranty	5 Years

Temperature class and Working temperature

Rated Power	Tamb	T-Code	
		CL.I	CL.II & CL.III
20W/30W/40W	-40°C to +55°C	T5	T5
50W	-40°C to +45°C	T5	T5
60W/70W/80W	-40°C to +55°C	T5	T5
100W	-40°C to +40°C	T5	T5

Table1 (Non-emergency)

Rated Power	Tamb	T-Code	
		CL.I	CL.II & CL.III
20W/30W/40W	0°C to +55°C	T5	T5
50W	0°C to +45°C	T5	T5
60W/70W/80W	0°C to +55°C	T5	T5
100W	0°C to +40°C	T5	T5

Table2 (Emergency)

Electrical Information

Model No.	HA06-020	HA06-030	HA06-040	HA06-050	HA06-060	HA06-070	HA06-080	HA06-100
Power Consumption(±5%)	20W	30W	40W	50W	60W	70W	80W	100W
Power Supply	SOSEN((No option for 20W)) / INVENTRONICS/ MOONS((No option for 20W))							
Input Voltage	100-277Vac/277-480Vac(No option for 20W), 50 / 60 Hz							
Emergency model	EM Wattage & EM time	9W 1.5h (Input Voltage: 100-277Vac, 50 / 60 Hz)						
	Battery Capacity	6.4V 3200mAh						
Power Factor	>0.90							
Surge Protection	4kV line-line, 6kV line-earth				6kV line-line, 10kV line-earth			
Driver Type	Constant Current (CC)							
Control	1-10V							

Optic Information

LED Type	LED 3030							
Luminous Flux (±10%)	3200 lm	4800 lm	6400 lm	8000 lm	9600 lm	11200lm	12800 lm	16000 lm
Efficacy(5000K Ra70)	160lm/W							
Correlated Color Temperature	5000K (2000K,2200K,2500K,2700K,3000K,3500K,4000K,4500K,5700K,6500K optional)/Red,Green,Blue,Amber							
Color Rendering Index	Ra70/Ra80/Ra90							
Beam Angle	T00C05/ T00C06/ F01601/ F01602/ F01603/ F01604/ F01605 / F01606/ F01608/ F01609/ F01610/ F01611/ F01612/ F01613							
UGR level	/							

Dimensions and Mount

Product Dimension mm (inch)	Ceiling Mount	618x150x202 (24.33"x5.91"x7.96")	1232x150x202 (48.50"x5.91"x7.96")
	Trunnion Mount	618x120x202 (24.33"x4.73"x7.96")	1232x120x202 (48.50"x4.73"x7.96")
	Pendant Mount	618x120x178 (24.33"x4.73"x6.99")	1232x120x178 (48.50"x4.73"x6.99")
	Loop Mount	618x125x218 (24.33"x4.91"x8.57")	1232x125x218 (48.50"x4.91"x8.57")
	Hoop Mount	618x125x225 (24.33"x4.91"x8.84")	1232x125x225 (48.50"x4.91"x8.84")
	Recessed Mount	618x170x114 (24.33"x6.69"x4.85")	1232x170x114 (48.50"x6.69"x4.85")
Luminaire Net Weight	Ceiling Mount	3.4kg (7.48Lbs)	5.0kg (11Lbs)
	Trunnion Mount	3.5kg (7.7Lbs)	5.1kg (11.22Lbs)
	Pendant Mount	3.3kg (7.26Lbs)	4.9Kg(10.78Lbs)
	Loop Mount	3.4kg (7.48Lbs)	5.0kg (11Lbs)
	Hoop Mount	3.5kg (7.7Lbs)	5.1kg (11.22Lbs)
	Recessed Mount	3.4kg (7.48Lbs)	5.0kg (11Lbs)
Export Carton Size mm (inch)		cable entry from the top: 655x140x200 (25.79"x5.51"x7.87") cable entry from the side: 725x140x180 (28.54"x5.51"x7.09")	1270x140x200 (50"x5.51"x7.87")
Gross Weight	Ceiling Mount	4.0kg (8.8Lbs)	5.9kg (12.98Lbs)
	Trunnion Mount	4.1kg (9.02Lbs)	6.0kg (13.2Lbs)
	Pendant Mount	3.9kg (8.58Lbs)	5.8kg(12.76Lbs)
	Loop Mount	4.0kg (8.8Lbs)	5.9kg (12.98Lbs)
	Hoop Mount	4.1kg (9.02Lbs)	6.0kg (13.2Lbs)
	Recessed Mount	4.0kg (8.8Lbs)	5.9kg (12.98Lbs)

Mounting Option		Ceiling mount / Trunnion mount / Pendant mount / Loop Mount / Hoop Mount / Recessed Mount
Cable Entry	Pendant Mount: 3/4"NPT, 1"NPT, M25*1.5, M32X1.5	
	Ceiling Mount / Trunnion Mount/Hoop Mount/Loop Mount/Recessed Mount: M25X1.5, M20X1.5, 3/4"NPT, 1/2"NPT	
Material	Body: Fiberglass reinforced polycarbonate Lens(outside): Clear Polycarbonate / Diffused Polycarbonate	
Finish	Surface non-spraying	
Fixture Color	Grey	
EPA	0.09m ² (0.96ft ²)	0.18m ² (1.91ft ²)
IK Rating	IK08	
IP Rating	IP66	

* The tolerance for weight is ±6%.

Certifications and Compliances

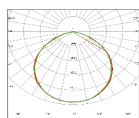
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
Class III
Simultaneous Presence

Suitable for Use Wet Locations
Suitable for Marine locations
Emergency Battery Back-up
IP66

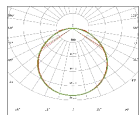
Model description

HA 06-XXX-X-XX-XXX-XX-X-XX
Options: EM=Emergency Battery; DM=Dimmable; ED=Emergency Battery & Dimmable
Mounting Style: C=Ceiling Mount; T=Trunnion Mount; P=Pendant Mount
L=Loop Mount; H=Hoop Mount; R=Recessed Mount
Diffusion Material: CP=Clear Polycarbonate; DP=Diffused Polycarbonate
Beam Distribution: 000=120°(No lens)
001=F01601; 002=F01602; 003=F01603; 004=F01604; 005=F01605; 006=F01606
008=F01608; 009=F01609; 010=F01610; 011=F01611; 012=F01612; 013=F01613
CCT(K): 20=2000; ... ; 65=6500; Re=Red; Gr=Green; Bl=Blue; Am=Amber
Voltage: U=100-277 Vac,50/60Hz; V=277-480Vac,50/60Hz
Lamp Wattage: 020=20W; 030=30W; 040=40W; 050=50W; 060=60W; 070=70W; 080=80W; 100=100W
Lamp Code: 06
Series Constant: HA-Hazardous

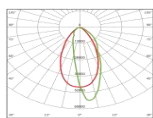
Photometry



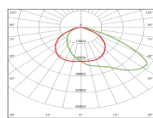
T00C05 (No lens / CP)



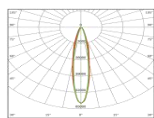
T00C06 (No lens / DP)



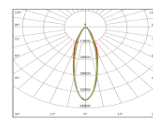
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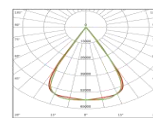
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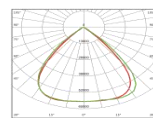
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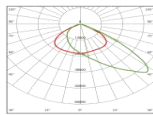
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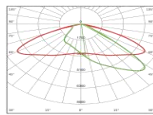
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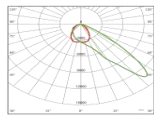
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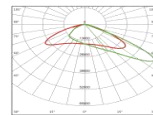
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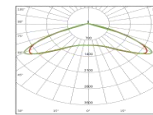
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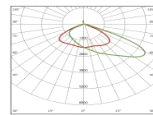
F01610



F01611

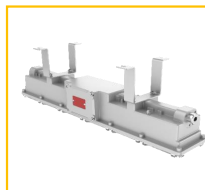


F01612



F01613

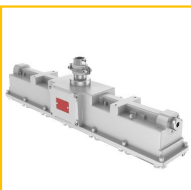
Mounting Options



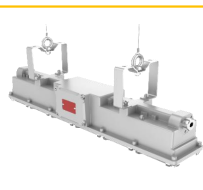
Ceiling Mount



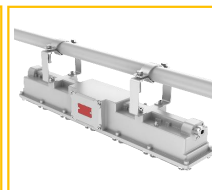
Trunnion Mount



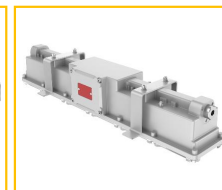
Pendant mount



Loop Mount



Hoop Mount



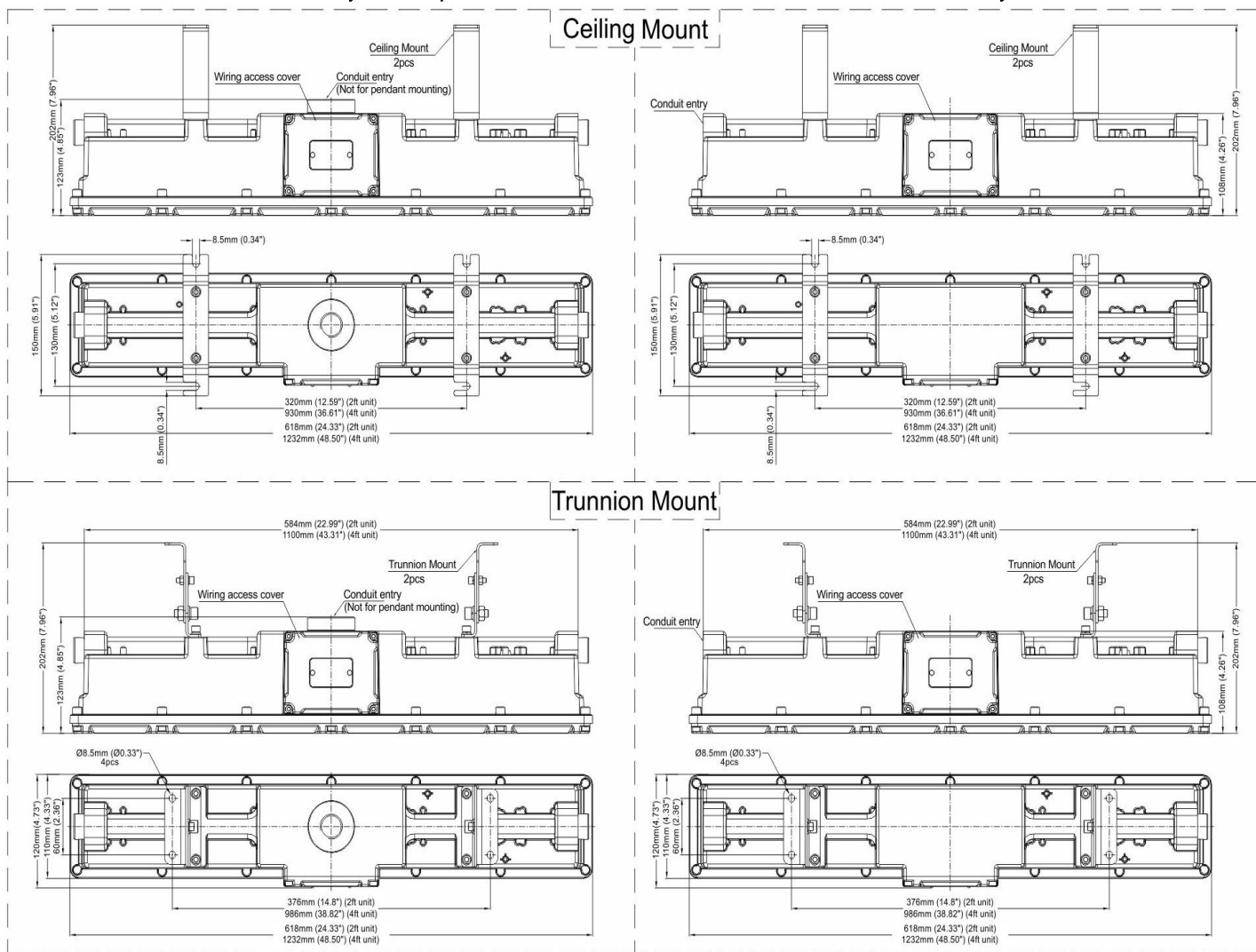
Recessed Mount

Dimensions

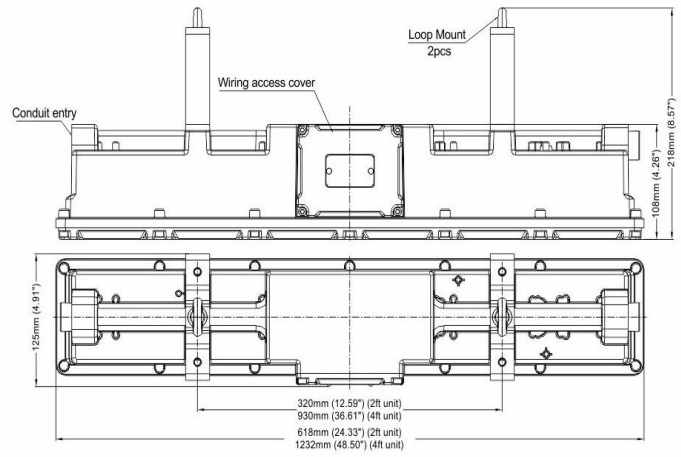
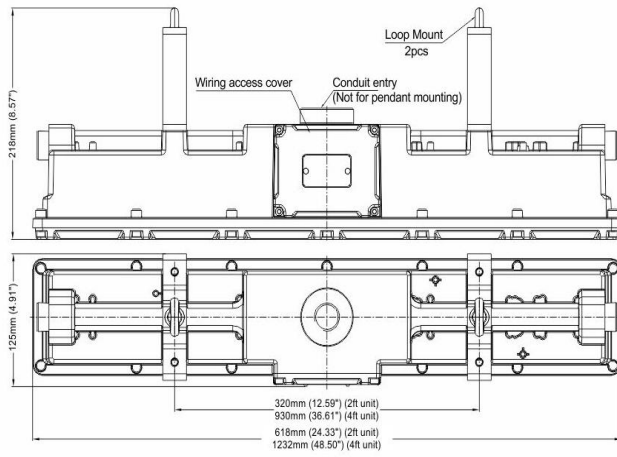
Cable entry from the top

Cable entry from the side

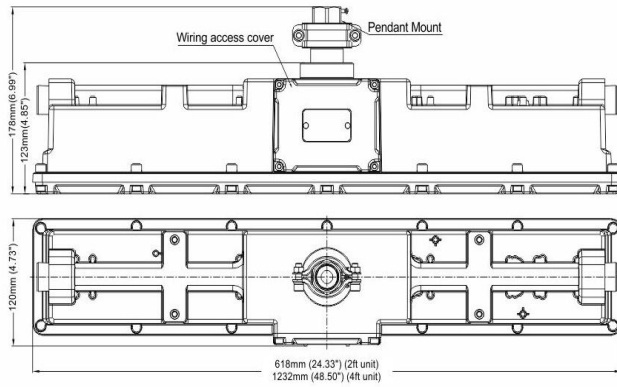
Unit: mm (inch)



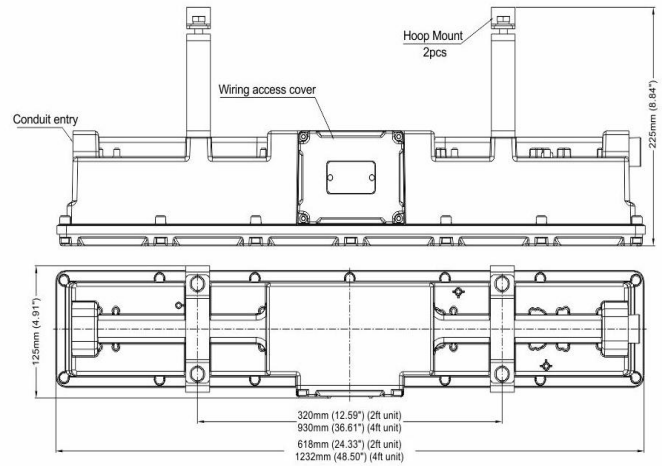
Loop Mount



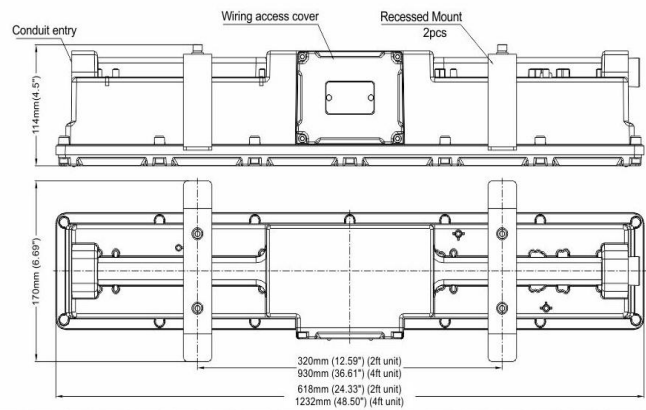
Pendant Mount



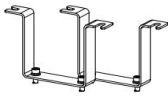
Hoop Mount



Recessed Mount

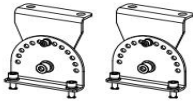


Notice: 2ft include: 20W, 30W, 40W, 50W 4ft include: 60W, 70W, 80W, 100W



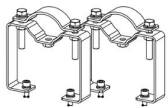
Ceiling Mount
Dimension: 150*30*100mm
Surface Treatment: Powder coating
Color: Grey

Code: BC-HA06-01



Trunnion Mount
Dimension: 86*43*100mm
Surface Treatment: Powder coating
Color: Grey

Code: BC-HA06-02



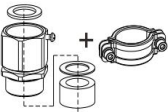
Hoop Mount
Dimension: 119*25*122mm
Surface Treatment: Powder coating
Color: Grey

Code: BC-HA06-03



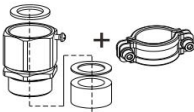
Loop Mount
Dimension: 119*25*115mm
Surface Treatment: Powder coating
Color: Grey

Code: BC-HA06-04



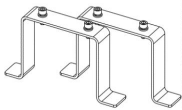
Pendant Mount
Dimension: $\Phi 33$ *65mm
Surface Treatment: Surface passivation
Color: Stainless steel color
Tube specification: M25X1.5 or 3/4"NPT
Cable outer diameter: 8-12

Code: BC-HA06-05



Pendant Mount
Dimension: $\Phi 41$ *65mm
Surface Treatment: Surface passivation
Color: Stainless steel color
Tube specification: M32X1.5 or 1"NPT
Cable outer diameter: 15-19

Code: BC-HA06-06



Recessed Mount
Dimension: 170*30*90mm
Surface Treatment: Powder coating
Color: Grey

Code: BC-HA06-07