LEDone®

HA04 Family Series

LED Explosion-proof Flood Light

150W/240W

CONSTRUCTION:

Heavy-duty die-cast aluminum alloy housing with low copper content (<0.4%) and corrosion-resistant powder-coated finish. High-impact polycarbonate optical lens ensures excellent light transmission and durability in harsh industrial environments.

OPTICAL SYSTEM:

• High-performance Lumileds 3030 LEDs provide high efficiency and reliability.
• Standard beam angle: 146° (Optic F01612)
• Optional optical distributions available (Special order): 17° / 30° / 55° / 85°
Asymmetric optical distributions available for aisle and roadway lighting applications.
Photometric distribution curves and IES files available upon request.

WARRANTY:

5-year limited warranty. Actual performance may vary depending on installation environment and application conditions.

ELECTRICAL:

• Input Voltage: 100–277Vac or 277–480Vac
Frequency: 50/60Hz
• High efficiency constant current driver
• Operating Ambient Temperature: -40°C to 65°C (-40°F to 149°F)

INSTALLATION & MOUNTING:

Standard bracket mounting for quick and easy installation.

DIMMING:

Dimming: 1-10V (10-100%)

FEATURES

- Available Wattage:
  - 150W
  - 240W
- T-code (Refer to temperature table for ambient ratings):
  - 150W: T4A
  - 240W: T4
- Effective Projected Area:0.19m² (2 ft²)
- Marine-grade anti-corrosion coating
- Suitable for offshore and coastal areas
- No UV or IR radiation in the beam
- Instant start, no humming
- Easy installation and maintenance
- Lifetime of LED @Ta=25°C(77°F):
  - L90: 75,198 hours
  - L80: 230,119 hours
  - L70: 378,051 hours

Certifications

- UL844 Hazardous Location
- 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
- NEMA 4X
- IP66
- IK08
- Suitable for Wet Locations
- Marine Rated

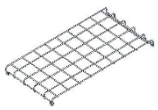
SUITABLE APPLICATIONS

- Warehouse
- Manufacturing facilities
- Oil & Gas Facilities
- Petrochemical Plants
- Chemical Processing
- Refineries
- Power Plants
- Shipyards
- Marine Facilities
- Wastewater Treatment Plants

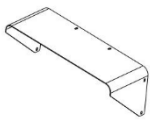
INCLUDED ACCESSORIES:

Bracket Mounting

Optional Accessories (Special Order):



Wire Guard



Glare Shield

UL CERTIFIED

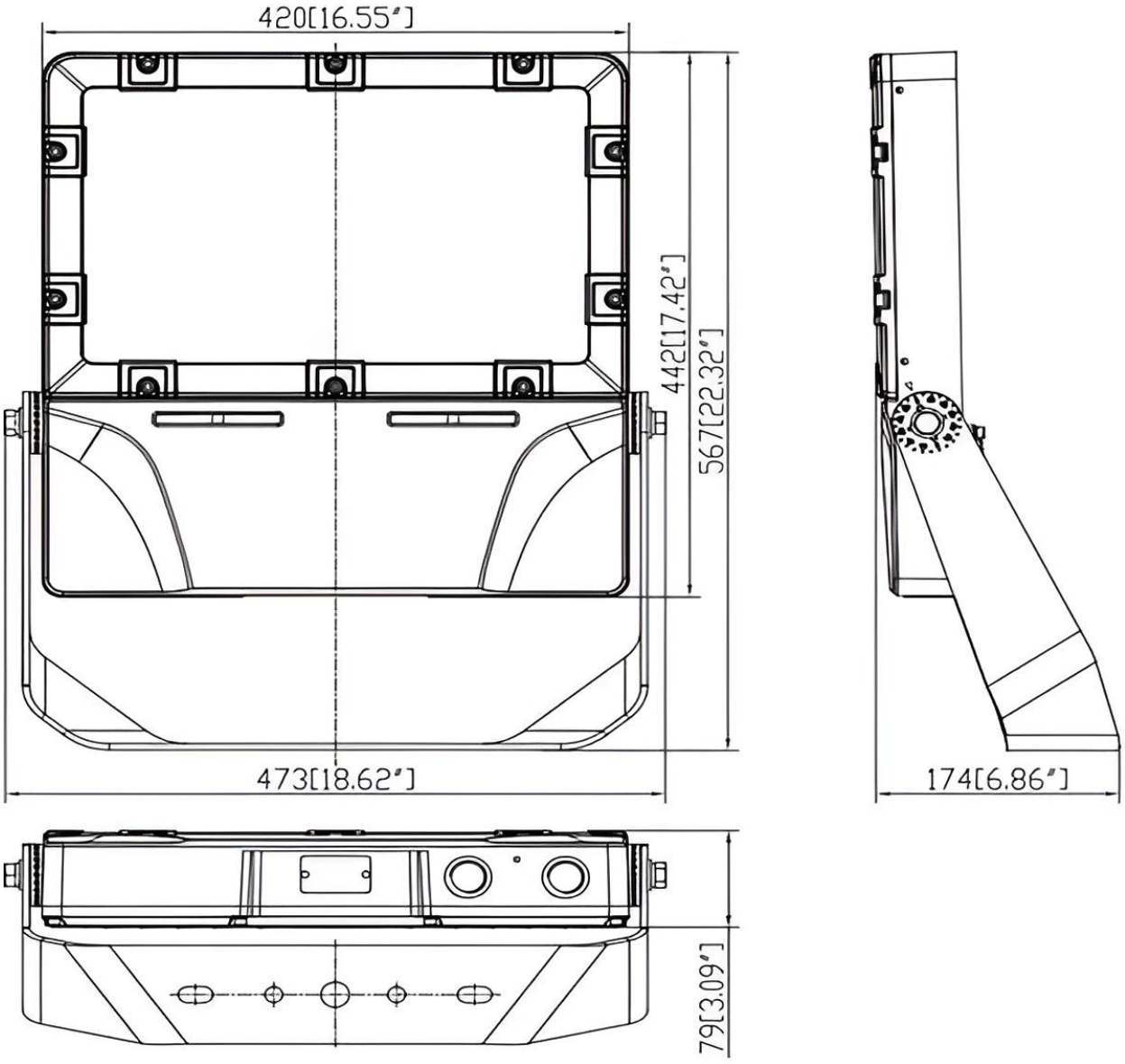
TEMPERATURE CODE & AMBIENT RATING		
Model	Class I Div 2	Class II / III
HA04-150	T4A, Ta -40°C to +65°C	T4A, Ta -40°C to +55°C
HA04-240	T4, Ta -40°C to +45°C	T4A, Ta -40°C to +40°C

Special Order Options:

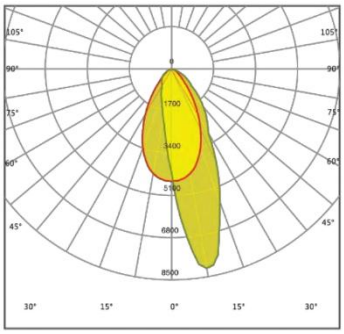
- Input voltage: 277–480Vac
- Optional beam angles: 17° / 30° / 55° / 85°
- CRI: 80 / 90
- CCT & color options: 3000K / 4000K / Red / Green / Blue / Amber
- Mounting options: Wire guard / Glare shield

HA04-150-U-50-012-CG-B							
WATTAGE	CCT	LUMENS	EFFICACY	VOLTAGE	CRI	POWER FACTOR	Surge Protection
150W	5000K	22,500LM	150lm/W	100-277V	70	0.9	10kV line-line, 10kV line-earth
HA04-240-U-50-012-CG-B							
WATTAGE	CCT	LUMENS	EFFICACY	VOLTAGE	CRI	POWER FACTOR	Surge Protection
240W	5000K	36,000LM	150lm/W	100-277V	70	0.9	6kV line-line, 10kV line-earth

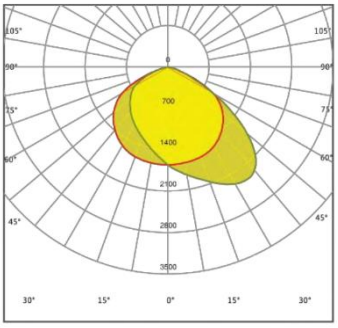
MEASUREMENTS



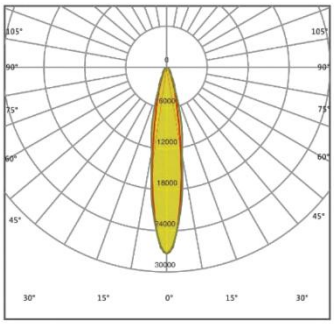
PHOTOMETRIC DISTRIBUTION



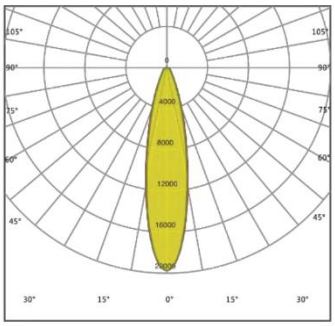
F01601(25x59 Maxγ10°)



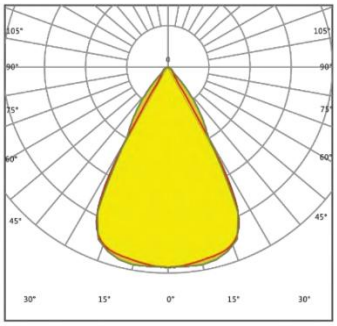
F01602(64x120 Maxγ51°)



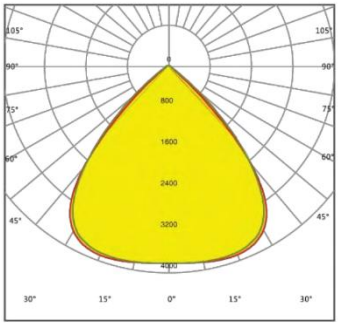
F01603(17°)



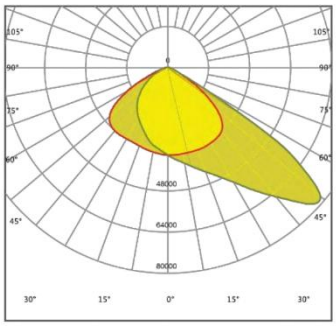
F01604(30°)



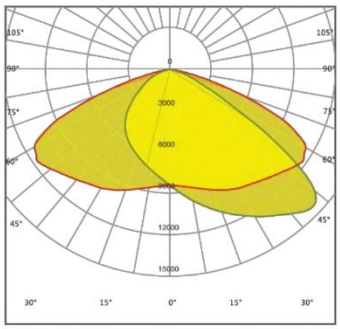
F01605(55°)



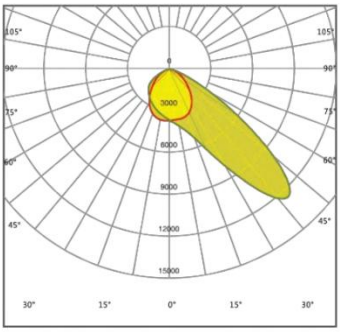
F01606(85°)



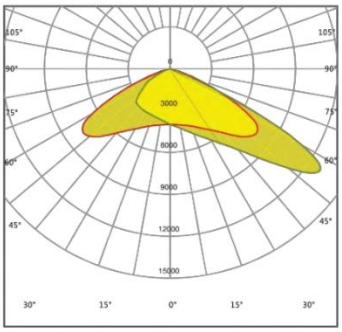
F01608(49x117 Maxγ45°)



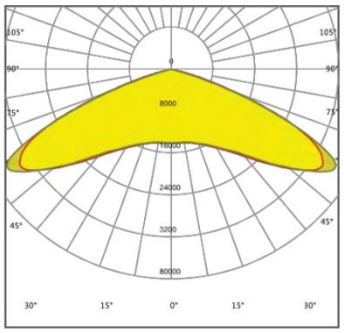
F01609(66x146 Maxγ60°)



F01610(27x70 Maxγ39°)

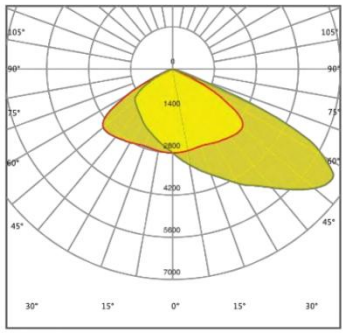


F01611(33x143Maxγ57°)



F01612(146°)

(Standard optic for 150W and 240W models)



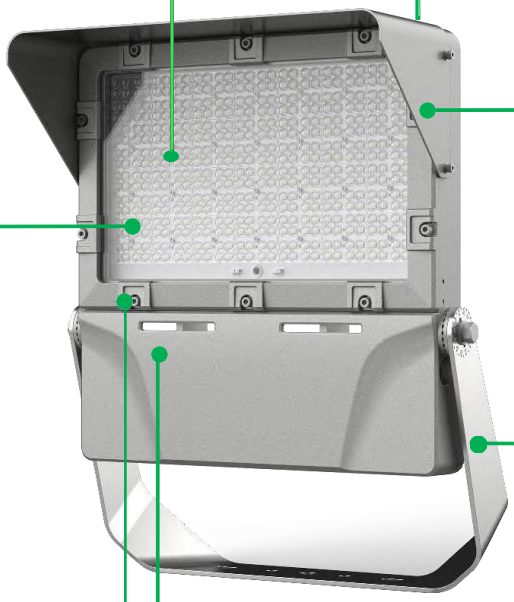
F01613(55x120 Maxγ56°)

STRUCTURE

Superior heat disspation
Low copper aluminum
Anti-corrosion

Lens + Tempered glass

Anti-UV



Visor

Powder coated aluminum visor prevents unwanted overspill and uplight

Protective cover

Heavy gauge stainless steel wire guard provides extra protection

Steel bracket

Anti-corrosion materials
Adjustable bracket allows installation to be more flexible

Captive stainless steel screws

Anti-corrosion coating

Flexible installation

Well-organized terminal block and double cable entry holes facilitate the wiring and installation job.

MODEL	QTY	NETWEIGHT	MASTER CARTONSIZE	GROSS WEIGHT	PCS CTN	UPC CODE
HA04-150-U-50-012-CG-B	1	28.6lbs	26.77“x20.87“x6.30“	31.9lbs	1	
HA04-240-U-50-012-CG-B	1	28.6lbs	26.77“x20.87“x6.30“	31.9lbs	1	