

EX705 LED ROUND EXPLOSION PROOF LIGHT

EX705 Round Explosion Proof Light is designed to deliver reliable and high-performance illumination in demanding environments. Engineered with superior waterproof, dustproof, anti-corrosion, and anti-vibration properties, this luminaire is an ideal solution for various harsh and hazardous applications. Additionally, it features an emergency lighting function, providing up to 90 minutes of illumination in the event of a power failure, ensuring both personnel safety and the uninterrupted operation of critical facilities.

APPLICATIONS

- Oil & Gas Refineries
- Drilling Rigs
- Petrochemical Facilities
- Food & Beverage Facilities
- Power Generation
- Waste & Sewage Treatment
- Paint Spray Booths
- Hazardous Locations

FEATURES

- Well sealed with special structure and materials.
- Various installation methods
- Emergency lighting 9W 1.5 hours
- IP66 and IK08 double protection, with super reliability

LIFESPAN AND WARRANTY

Rated Life	50,000 Hrs
Warranty	5 Years
Certification	Class I Div 2 (A, B, C, D) / Class I Zone 2 (IIC) /
	Class II Div 1 (E, F, G) / Class II Div 2 (F, G) /
	Class III / Zone 20, 21, 22 / Wet Locations /
	Marine Locations / Type 4X / IP66
UL#	E302059

Product	
Catalog No.	
Fixture Type	Notes

SPECIFICATION SUMMARY

Category	Specification	Data
Category Performance	Wattage	50W, 100W, 150W, 240W
	Delivered Lumens	7,000 lm ~ 33,600 lm
	Lumen Efficacy	~140 lm/W
	Color Temperature	5000K (3000K, 4000K optional)
	CRI (Ra)	>70
	Beam Angle	140°
	Lens Option	Polycarbonate optical lens / Tempered glass
Electrical	Input Voltage	100-277V
	Power Factor	>0.9
	Dimming	1-10V
Physical	Housing	Aluminum alloy
		(less than 0.4% copper content)
	Operation Temperature	-32 to 140°F
	Dimension	11.81"x11.81"x9.05"
	Weight	14.33 lbs
	IP Rating	IP66
	IK Rating	IK08
	Surge Protection	10kV line-line, 10kV line-earth
	Mounting Options	Surface / Pendant / Wall Bracket /
		25° Stanchion / 90° Stanchion / Trunnion

CERTIFICATION



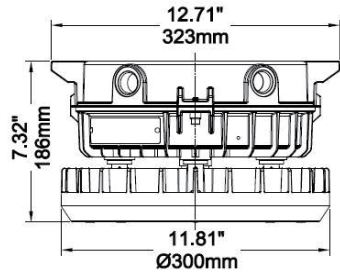
Class I, Div. 2, GR. A, B, C, D Class I, Zone 2, Group IIC
 Class II, Div. 1, GR. E, F, G Zone 20 and Zone 21
 Class II, Div. 2, GR. F, G Zone 22
 Class III

EX705 ROUND EXPLOSION PROOF LIGHT

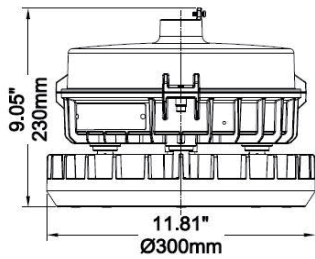
DIMENSIONS

30W/ 50W/ 75W/ 100W

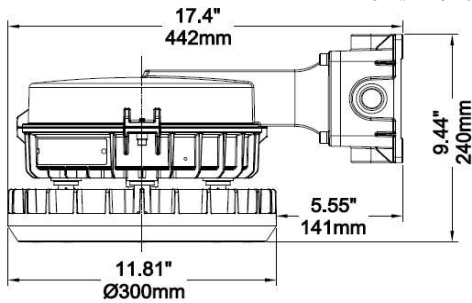
Unit: mm/inch



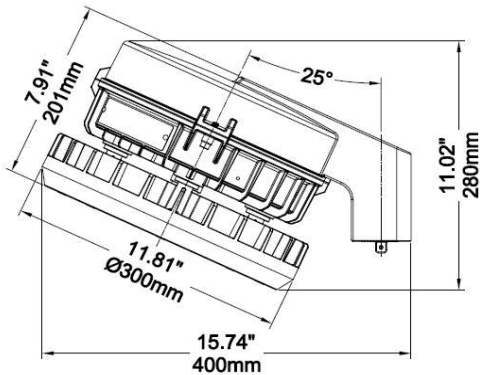
Ceiling Mount



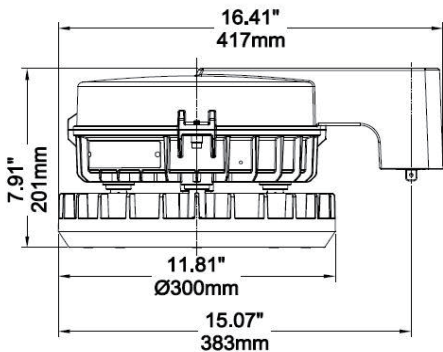
Pendant Mount



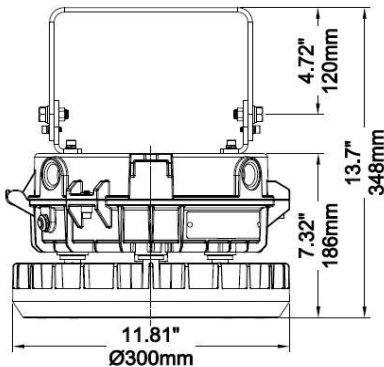
Wall Bracket



25° Stanchion Mount



90° Stanchion Mount



Trunnion Mount

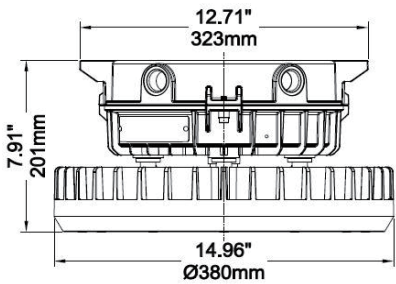
Table 1 (30W-100W)

Mounting	Production 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")		7.8±0.3kg (16.20±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)

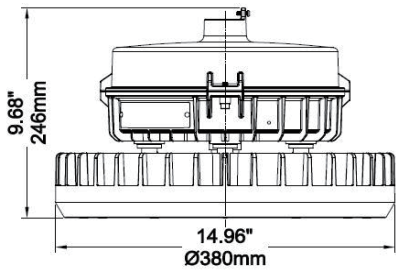
EX705 ROUND EXPLOSION PROOF LIGHT

DIMENSIONS

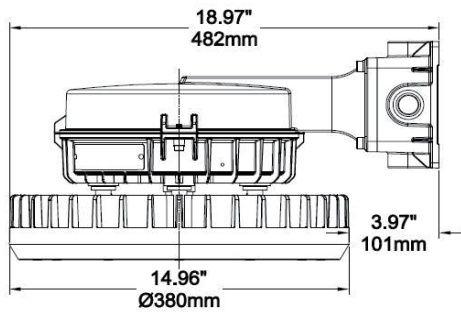
120W/ 150W/180W/ 200W/ 240W



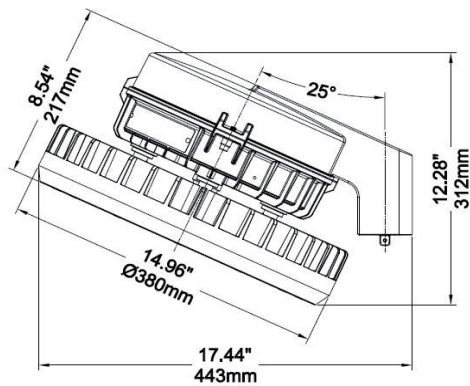
Celing Mount



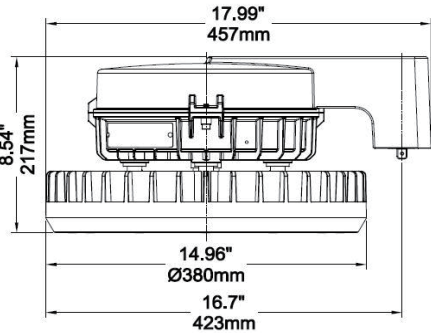
Pendant Mount



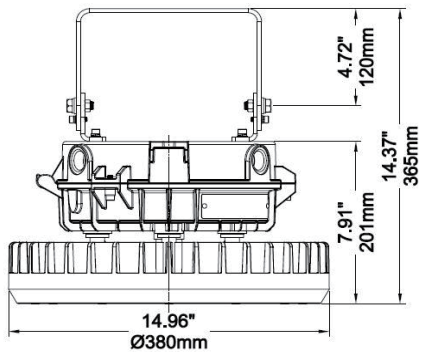
Wall Bracket



25° Stanchion Mount



90° Stanchion Mount



Trunnion Mount

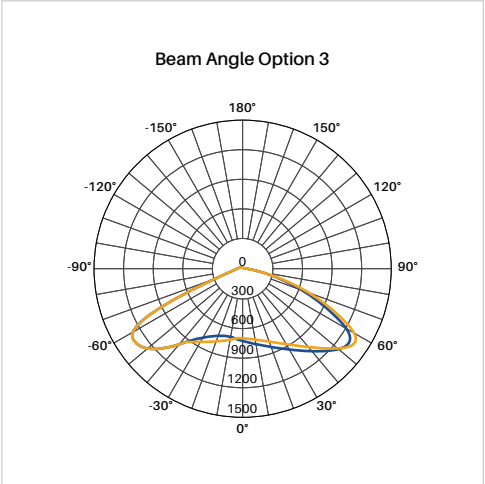
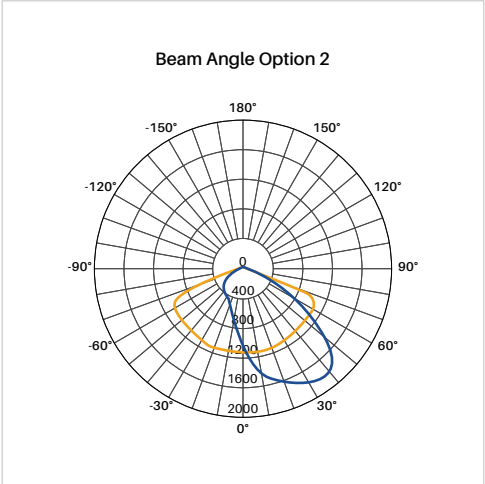
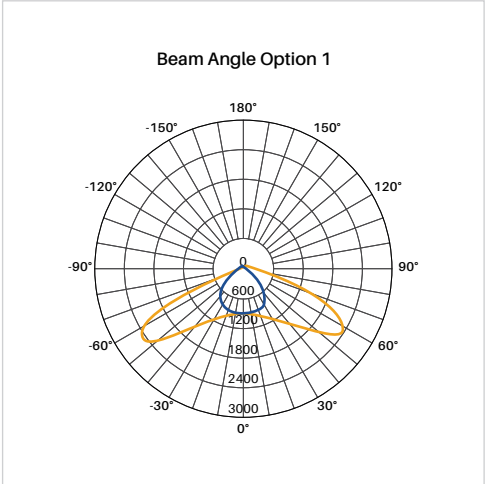
Table 2 (120W-240W)

Mounting	Production 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")	10.9±0.3kg (23.80±0.66Lbs)	13.8±0.3kg (30.42±0.66Lbs)
90° Stanchion Mount	457xΦ380x217mm (17.99"x14.96"x8.54)		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)

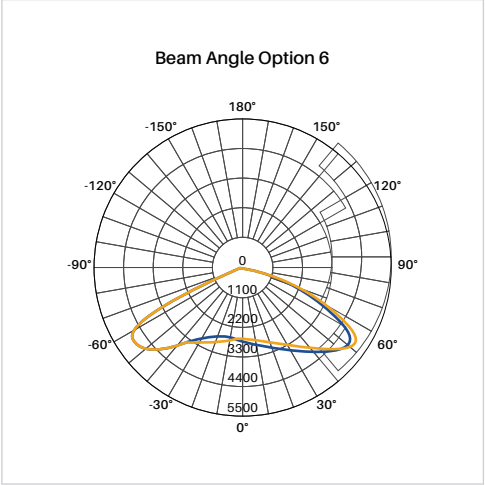
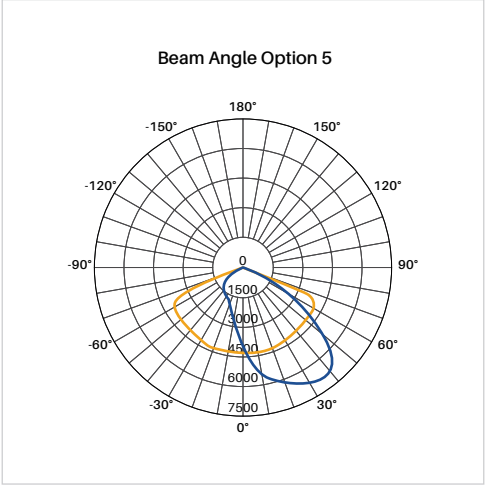
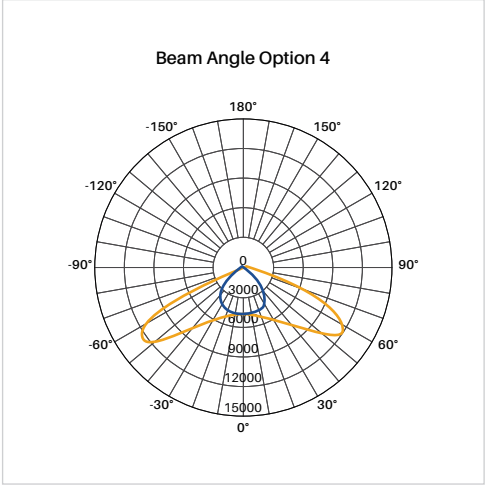
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PHOTOMETRY

30W-100W



120W-240W



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MOUNTING OPTIONS



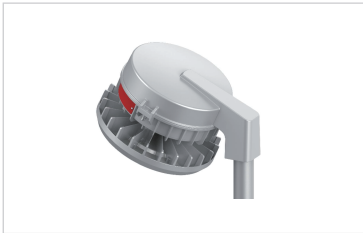
Surface Mount



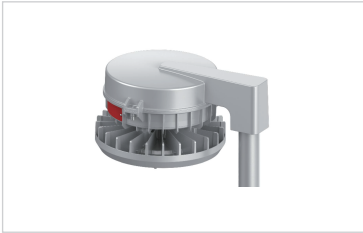
Pendant Mount



Wall Bracket



25° Stanchion

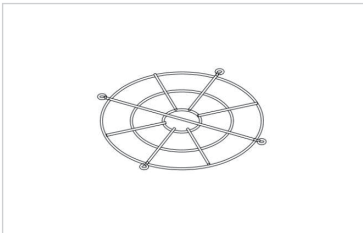


90° Stanchion

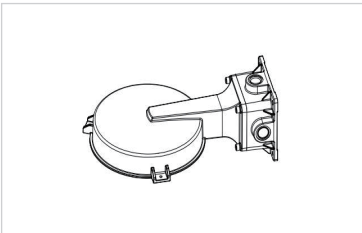


Trunnion

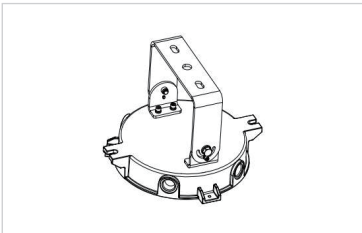
ACCESSORIES



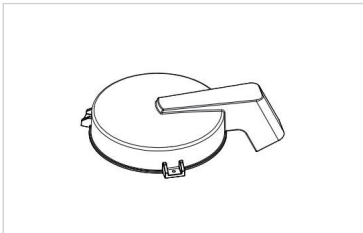
Wire Guard



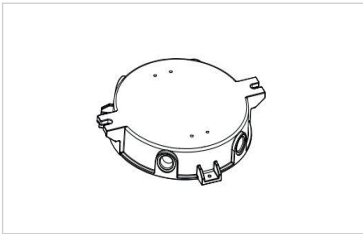
Wall Bracket



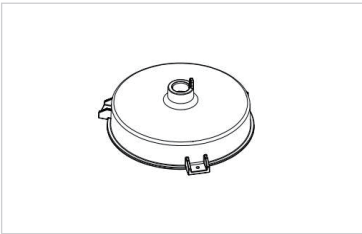
Trunnion Mount



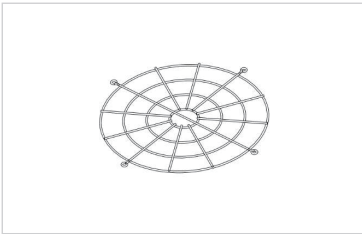
90° Stanchion Mount



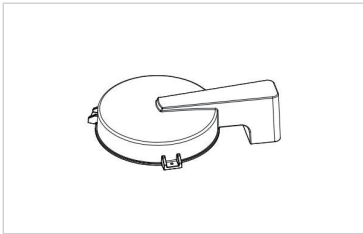
Ceiling Mount



Pendant Mount



Wire Guard



25° Stanchion Mount

EX705 ROUND EXPLOSION PROOF LIGHT

ORDERING INFORMATION

EX705						
Series SKU	Wattage	Voltage	Lens	CCT	Mounting (Optional)	Option (Optional)
EX705	050: 50W 100: 100W 150: 150W 240: 240W	U: 120-277V	C: Clear F: Frost	30: 3000K 40: 4000K 50: 5000K	C: Chain S: Surface P: Pendant W: Wall Bracket F: 25° Stanchion N: 90° Stanchion T: Trunnion	EM: Emergency Battery

Example: EX705-100UC50EM
Lead times will vary depending on options selected.
Consult with your sales representative.

MISCELLANEOUS

NOTE