

# GAMMA EX

Floodlight Luminaire



**Applications:** Petroleum refineries, chemical plants, foundaries, paint booths, oil rigs, power generation facilities

## PERFORMANCE SUMMARY

Built for harsh environments the Gamma Ex Series Class 1, Division 2 luminaire delivers high quality illumination without sacrificing application performance

Versatile as it is efficient, the Gamma Ex is fully customizable, available with a wide range of installation accessories it can be mounted almost anywhere. Suitable for environments made hazardous due to the presence of flammable or explosive gases, vapors and combustible dusts such as paint booths, oil rigs and petroleum refineries

## Construction

- Copper free die-cast aluminum housing optimizes heat dissipation, withstanding harsh and hazardous environments
- Electrostatically applied marine grade high temperature polyester powder coat for complete corrosion protection
- Wet location IP66 listed suitable in high pressure hose down areas
- Stainless steel adjustable mount yoke and accessories as standard
- Optional universal arm attachment that can be adapted to wall/stanchion mounting with a multitude of mounting angles including flood, pendant or pole top installations
- 3G vibration isolation rated

## Optics

- Available in 30°, 60°, 90°, 120° distributions
- Engineered LED technology provide superior beam to field ratios maximizes uniformity reducing total fixtures counts
- High impact tempered glass lens built to maintain color and transparency, maintaining light levels over time
- Optical assembly secured by high tensile TOR-X T20 bolts from back of fixture
- 3000K to 6000K CCT options

## Electrical

- 120-277VAC or 200-400VAC
- Driver features input surge, output over-voltage, short circuit and over temperature protection
- Average rated life L80 >60,000hrs
- Integrated junction box enables quick and easy wiring
- Surge protection to 10kV/5kA as per ANSI/IEEE C62.41.2-2002
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 131°F
- 1-10V dimming

## UL844 Classification

UL1598/UL1598A Marine Marking  
 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

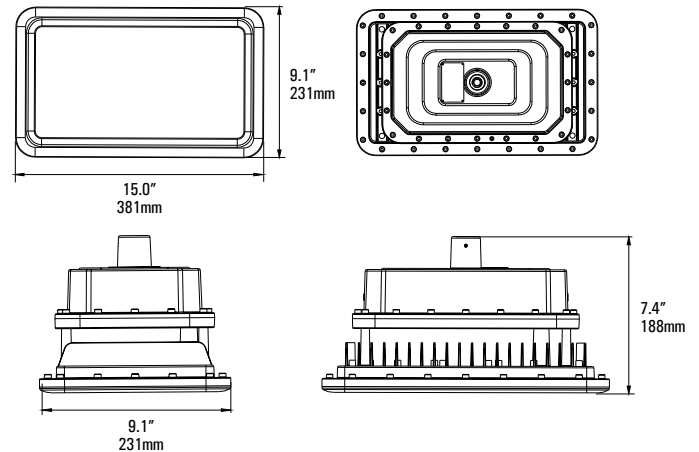


Specification	
Lumen Package	5,600 - 28,000
Wattage Range	40 - 200
Efficacy	140
Weight lbs (kg)	9.15 (4.15) - 18.30 (8.3)

## DIMENSIONS

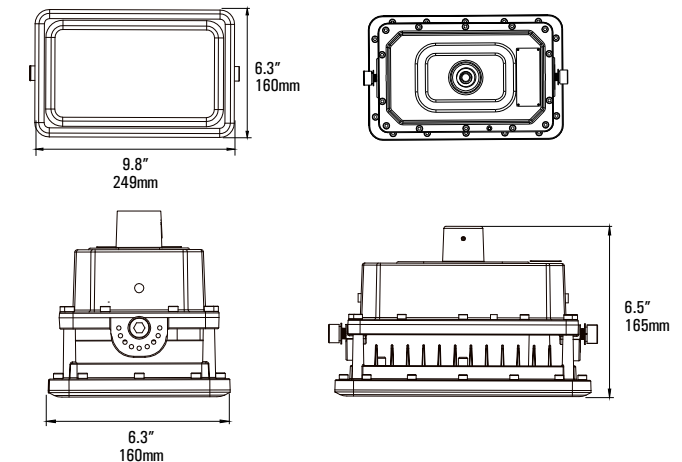
### 80-200W

Weight (May vary with accessories)  
 18.3lbs (8.3kg)



### 40-60W

Weight: 9.2lbs (4.2kg)



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## PRODUCT CODE

Example Gamma Ex cat. 60.50.0.EYK

Model	Wattage	Color Temp	Beam Angle	Accessories <sup>1</sup>	Mounting <sup>2</sup>		
Gamma Ex 100 100-277V	40 - 40W/5,600 lms	40 - 4,000K	3 - 30°	EPS - 3hrs Internal Emergency Power Supply	EJB - Junction Box	E25A - 25° Arm Support	
	60 - 60W/8,400 lms	50 - 5,000K	6 - 60°		EBP - Bended Pipe		
Gamma Ex 480 200-480V	80 - 80W/11,200 lms	57 - 5,700K	9 - 90°	PM - Photocell + Motion	ESA - Surface Mounted Arm	EC01 - Steel Overhang Conduit	
	100 - 100W/14,000 lms	60 - 6,000K	12 - 120°		E90J - 90° Arm with Junction Box	ESP - Straight Pipe	
	150 - 150W/21,000 lms				PP - Photocell	E90A - 90° Arm Support	ED01 - Pendant Direction Adaptor
	180 - 180W/25,200 lms				MM - Motion	E25P - 25° Pole Support	E90P - 90° Pole Support
	200 - 200W/28,000 lms			0 - None	E25J - 25° Arm with Junction Box	EDA - Direct Arm	
						EH - Hook	
						EYK - Yoke	

## NOTES

<sup>1</sup>Class I/Division II remote sensor

<sup>2</sup>Ships standard with yoke bracket

## ACCESSORIES



EJB Junction Box



EBP Bended Pipe



ESA Surface  
Mounted Arm



E90J 90° Arm  
with Junction Box



E90A 90° Arm  
Support



E25P 25° Pole  
Support



E25J 25° Arm with  
Junction Box



E25A 25° Arm  
Support



EC01 Steel  
Overhang Conduit



ESP Straight Pipe



ED01 Pendant  
Direction Adaptor



E90P 90° Pole  
Support



EDA Direct Arm



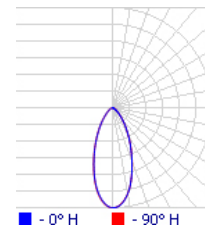
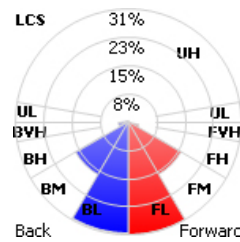
EH Hook



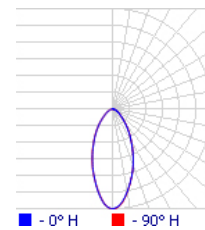
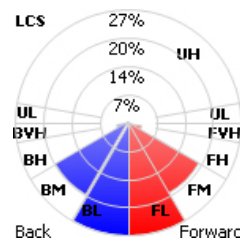
EYK Yoke

## PHOTOMETRICS

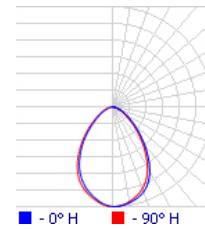
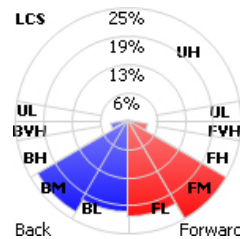
30°



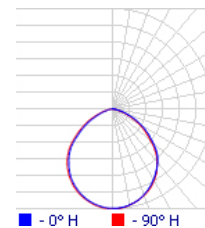
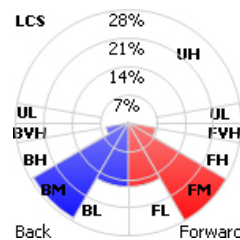
60°



90°



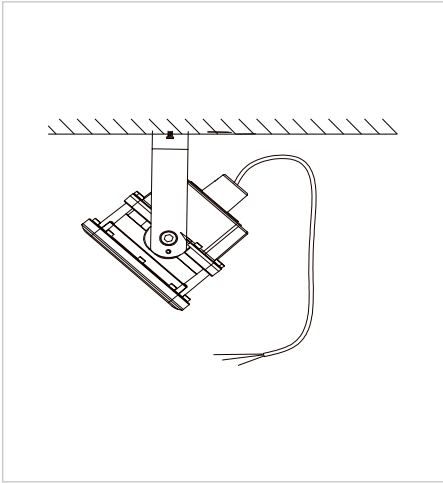
120°



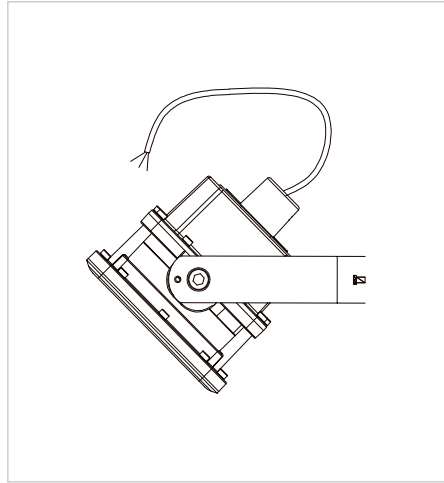
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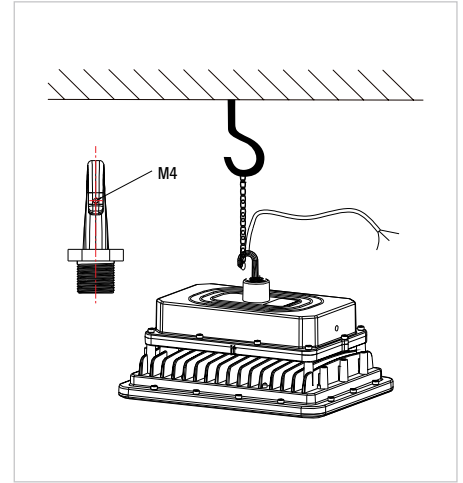
## INSTALLATION



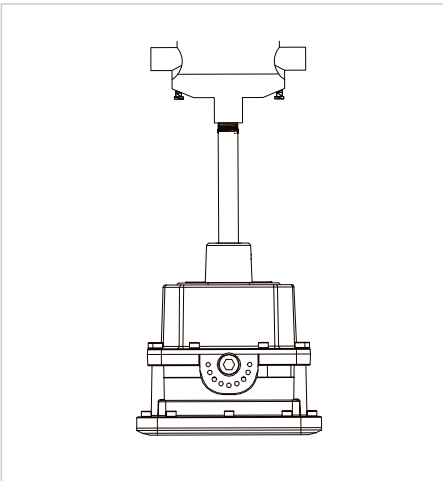
Ceiling — Yoke



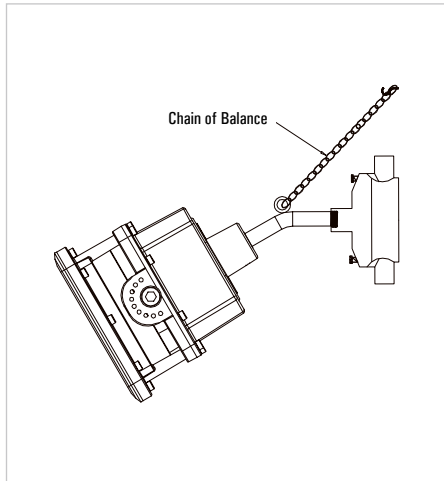
Wall — Yoke



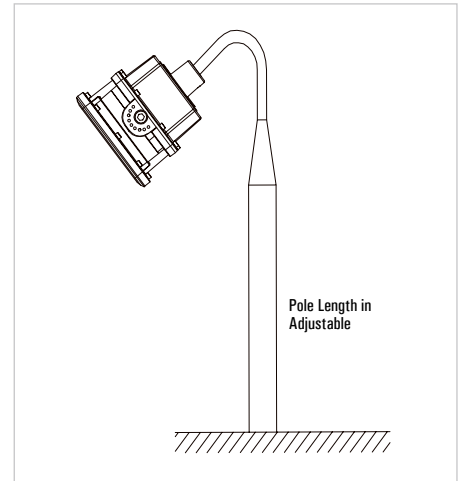
Pendant — Hook



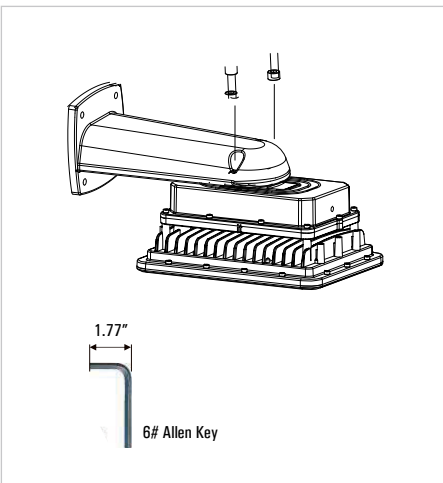
Pendant — Straight Pipe



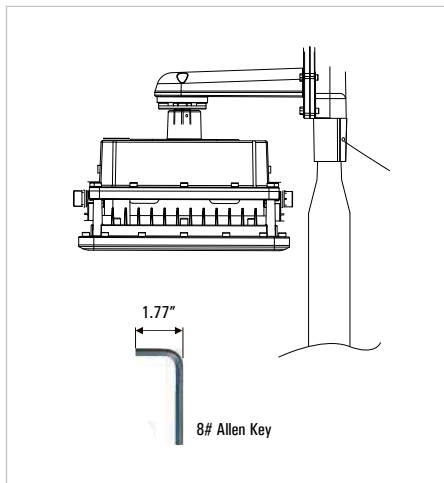
Wall — Bended Pipe



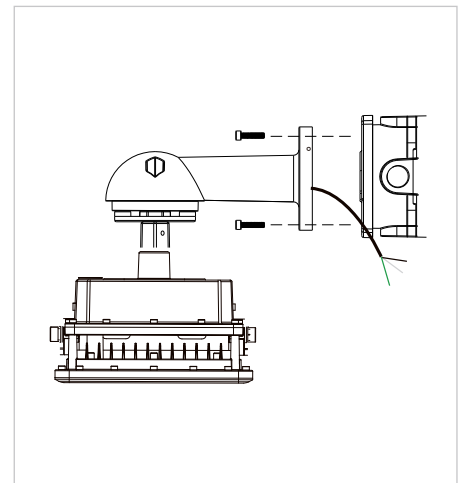
Pole — Overhang Conduit



Wall — Surface Mounted Arm



Stanchion — Direct Arm



Wall — Surface Mounted Arm with Junction Box

