

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

## EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE



**B**



**B3**



The **Explosion Proof Eagle Eye I High Bay Fixture** is a highly versatile hazardous location high bay for industrial applications. It is ideally suited for the oil & gas; mining; chemical; marine; aerospace; metal treatment; and food & alcohol processing. It is designed for high humidity, high dust, high temperature, and explosive vapor environments. The aircraft aluminum housing has a marine-rated, powder coated finish.

### FEATURES

- UL 844 Hazardous Locations
- Class I Division 2, Group A, B, C, D
- Class II Division 1, Group E, F, G
- Class II Division 2, Group F, G
- Class III
- Class I, Zone 2, Group IIA, IIB, IIC
- Zone 21 or 22
- DLC (Pending)
- UL 1598, UL 1598A
- ABS
- IP66
- IK08 (without wire guard), IK10 (with wire guard)
- 1.5G vibration
- 100-277 VAC or 200-480VAC

### APPLICATIONS

- Oil & gas
- Mining
- Chemical & petrochemical processing
- Marine and aerospace
- Metal treatment
- Food & alcohol processing
- Power plants



# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## ORDERING INFORMATION

Part Number Builder:

ECO-EX-	xxxW	XX *	Y	Z	D	E	F	G	H	I	J	K	L	M
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>Example: ECO-EX-200WB3D50D90SGA-EMA148011</b>														
ECO-EX-	200W	B3	D	50	D	90	SG	A	-EM	A	1	480	1	1

**1. Basic Model Series Name**  
EX = Explosion Proof Product

**2. Rated Input Wattage**  
B: 20/40/50/60/80/100W  
B3: 20/40/50/60/80/100.120/150/180/200W

**3. Lamp Enclosure Heatsink**  
B  
B3

**4. Dimming**  
Blank = non-dimmable  
D = dimmable

**5. CCT**  
27 = 2700K  
30 = 3000K  
40 = 4000K  
50 = 5000K  
57 = 5700K  
65 = 6500K

**6. Degree**  
"D" Represents Degree

**7. Beam Angle**  
40 = 40°  
60 = 60°  
90 = 90°  
120 = 120°  
T2, T3, T5

**8. Diffuser Type**  
Blank = Flat Glass  
G = Convex Glass  
P = Convex PC  
FP = Flat PC  
SG = Spherical Glass

**9. Driver Box Cover**  
A  
B  
C  
D

**10. Backup Power Source**  
Blank = No Backup Power  
-EM = Backup Power

**11. Enclosure Cover**  
A = Alternate Enclosure Cover 1 (Normal Cover)  
B = Lamp Enclosure Cover 1 (Step Cover)

**12. LED Type**  
1 = 5050  
Blank = 2835

**13. Input Voltage**  
480 = 200-480V for B/B3, 277-480V for B2/B4  
Blank = 100-277/120-277V

**6. Degree**  
"D" Represents Degree

**14 and 15. Commercial Use**  
1  
2

# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## TECHNICAL SPECIFICATIONS

Wattage	B: 20W, 40W, 50W, 60W, 80W, 100W B3: 20W, 40W, 50W, 60W, 80W, 100W, 120W, 150W, 180W, 200W
Optical Distributions	40°, 60°, 90°, 120°, T2, T3, T5
Efficacy	130 lm/W
IP Rating	IP66
Input Voltage	Standard: 100-277 VAC or 200-480 VAC Emergency: 120-277 VAC
Power Frequency	50/60 Hz
Power Factor	>0.95
Housing Material	Copper-free aluminum
Diffuser Material (Optional)	Flat glass / Flat polycarbonate / Convex glass / Convex polycarbonate
Lumens	B: 2,600-13,000 lumens B3: 2,600-26,000 lumens
CCT	3000K, 4000K, 5000K, 5700K, 6500K
CRI	70+
Dimming	Non-dimming standard, 0-10V dimming optional
Warranty	10 Years or 50,000 hrs non-prorated
Operating Temperature	-40°F to 104°F, -40°F to 122°F, -40°F to 149°F
IP Rating	IP66
Impact Rating	IK08 (without wire guard), IK10 (with wire guard)
Vibration Rating	1.5G
Mounting Options	Ceiling, Wall, Stanchion 25°, Pendant, Surface
Cable Entries	3/4" NPT (standard); 1/2" NPT, M20 or M25 (optional)
Safety Markings	UL 844 Hazardous Locations Class I Division 2, Group A, B, C, D Class II Division 1, Group E, F, G Class II Division 2, Group F, G Class III Class I, Zone 2, Group IIA, IIB, IIC Zone 21 or 22 UL 1598, UL 1598A ABS

\*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.

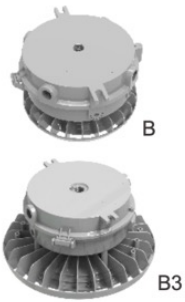
# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## CONTROLS

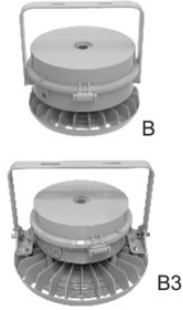
Control Options: Non-dimming standard, dimming and emergency battery backup options available.

## MOUNTING OPTIONS

**Ceiling**  
Driver Cover A



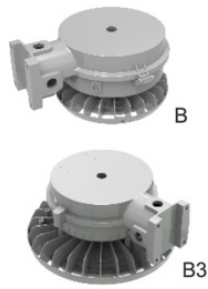
**Surface**  
Driver Cover B



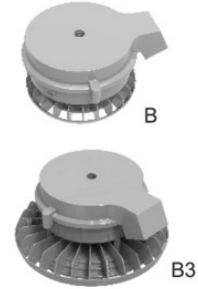
**Pendant**  
Driver Cover B



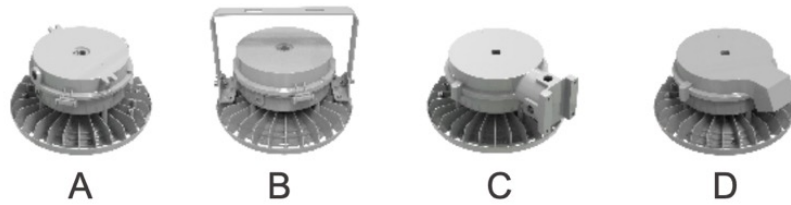
**Wall**  
Driver Cover C



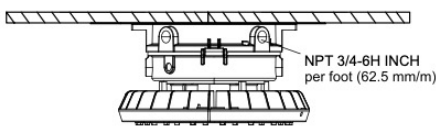
**Stanchion 25°**  
Driver Cover D



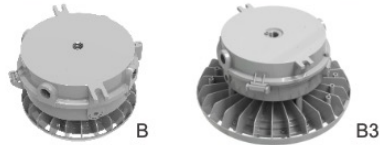
\* Driver box cover overview:



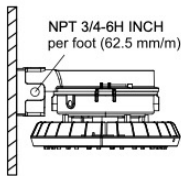
### • Option 1: Ceiling Mount



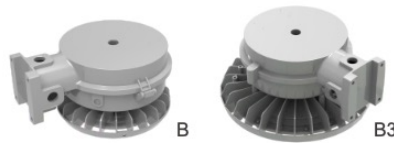
Note: Ceiling mounting is suitable for models with driver box cover A.



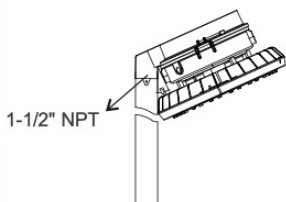
### • Option 2: Wall Mount



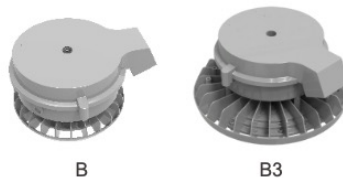
Note: Wall mounting is suitable for models with driver box cover C.



### • Option 3: Stanchion 25° Mount



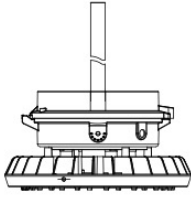
Note: 1. Stanchion mounting is suitable for models with driver box cover D.  
2. The thread of the lamp pole interface is 1-1/2" NPT.



# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## MOUNTING OPTIONS, CONTINUED

### • Option 4: Pendant Mount

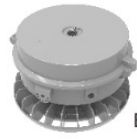


### • Accessory (Ordered Separately)



**Pole**  
Ex-Straight Pipe

Note: Pole mounting is suitable for models with driver box cover B.

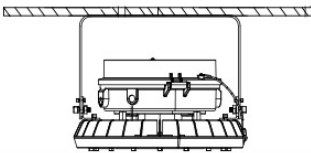


B



B3

### • Option 5: Surface Mount



Note: 1. U bracket is standard accessory that is included in the packaging.  
2. Surface mounting is suitable for models with driver box cover B.

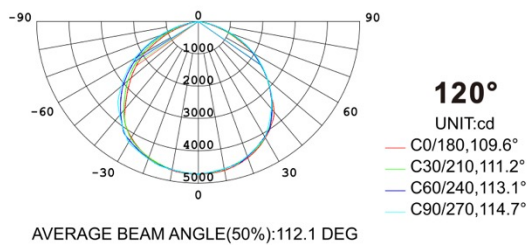
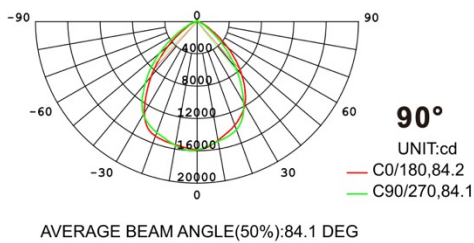
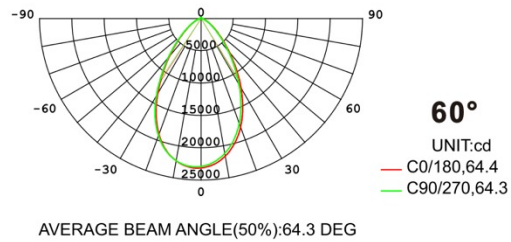
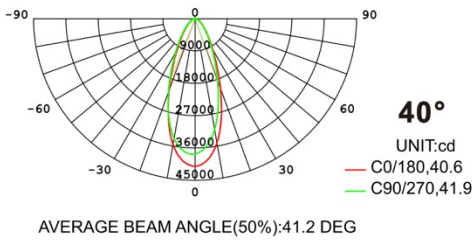


B



B3

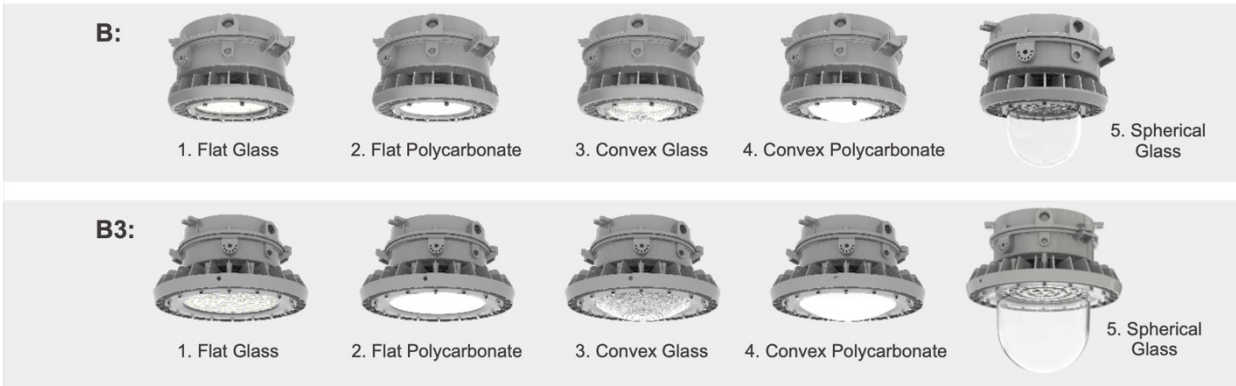
## PHOTOMETRICS



# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

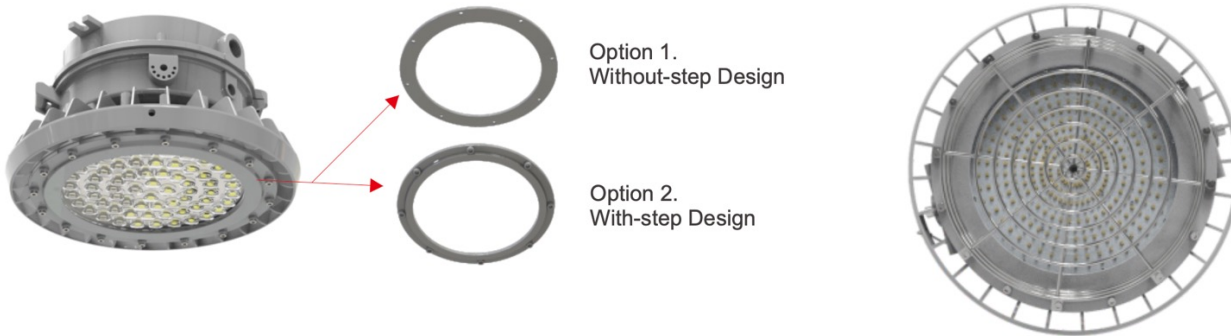
## ACCESSORIES

### DIFFUSER OPTIONS:



### SURFACE COVER OPTIONS:

### WIRE GUARD OPTION:



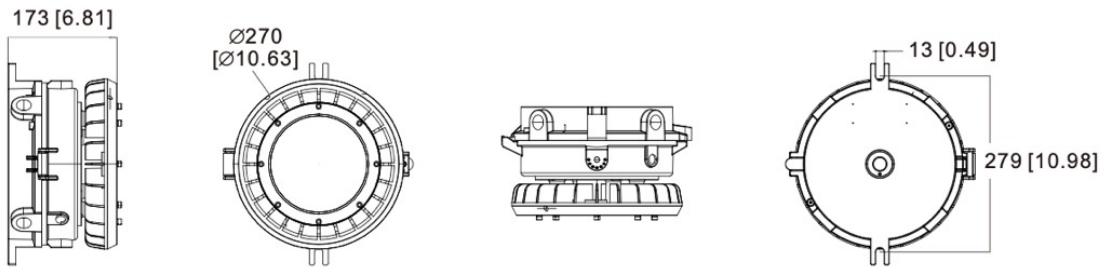
## PACKING INFORMATION

Model	Net Weight				Gross Weight				Quantity/ Carton	Package Dimensions (LxWxH)
	Driver Box Cover*				Driver Box Cover*					
	A	B	C	D	A	B	C	D		
B with flat glass diffuser & with wire guard	6kg/ 13.24lb	6.03kg/ 13.29lb	6.46kg/ 14.23lb	6.20kg/ 13.66lb	8kg/ 17.65lb	8.03kg/ 17.7lb	8.46kg/ 18.64lb	8.20kg/ 18.07lb	1 pc	470x470x310mm/ 18.50x18.50x12.20inch
B with flat glass diffuser & without wire guard	5.88kg/ 12.96lb	5.91kg/ 13.03lb	6.34kg/ 13.98lb	6.08kg/ 13.41lb	7.88kg/ 17.37lb	7.91kg/ 17.44lb	8.34kg/ 18.39lb	8.08kg/ 17.81lb	1 pc	470x470x310mm/ 18.50x18.50x12.20inch
B with spherical glass diffuser & with wire guard	6.73kg/ 14.83lb	6.74kg/ 14.87lb	7.17kg/ 15.82lb	6.92kg/ 15.25lb	8.73kg/ 19.24lb	8.74kg/ 19.28lb	9.17kg/ 20.23lb	8.92kg/ 19.66lb	1 pc	470x470x400mm/ 18.50x18.50x15.75inch
B with spherical glass diffuser & without wire guard	6.61kg/ 14.57lb	6.62kg/ 14.59lb	7.05kg/ 15.54lb	6.80kg/ 14.99lb	8.61kg/ 18.98lb	8.62kg/ 19.00lb	9.05kg/ 19.95lb	8.80kg/ 19.40lb	1 pc	470x470x400mm/ 18.50x18.50x15.75inch
B3 with flat glass diffuser & without wire guard	8.8kg/ 19.40lb	9kg/ 19.84lb	9.2kg/ 20.28lb	9kg/ 19.84lb	10.8kg/ 23.81lb	11kg/ 24.25lb	11.2kg/ 24.69lb	11kg/ 24.25lb	1 pc	470x470x330mm/ 18.50x18.50x12.99inch

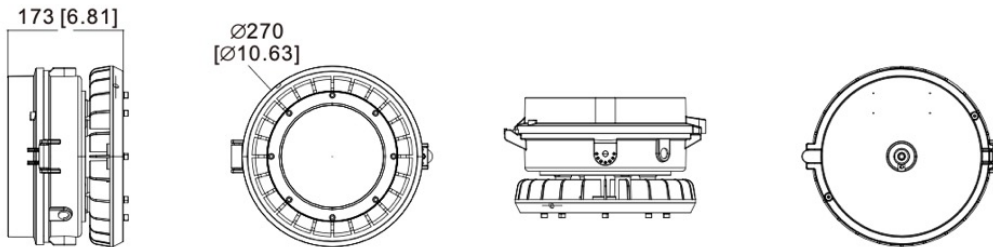
# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## DIMENSIONS

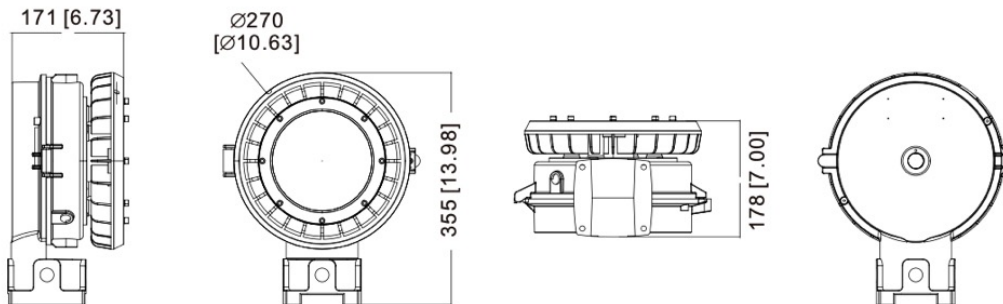
B with driver cover A and flat diffuser



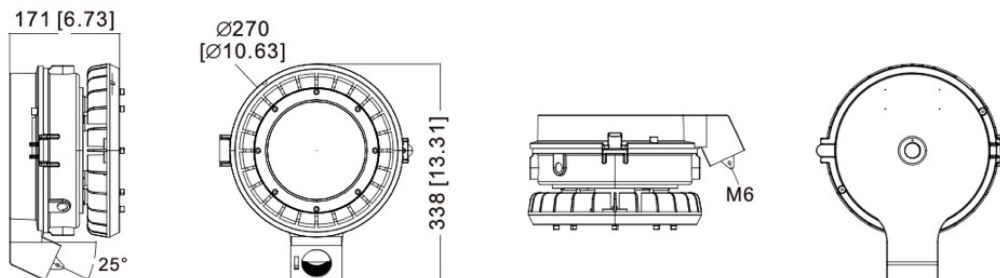
B with driver cover B and flat diffuser



B with driver cover C and flat diffuser



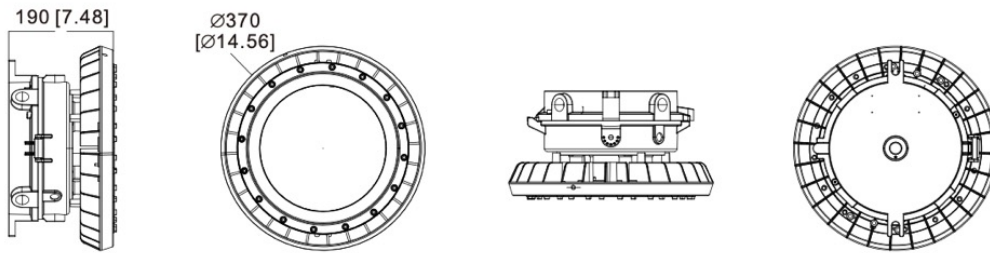
B with driver cover D and flat diffuser



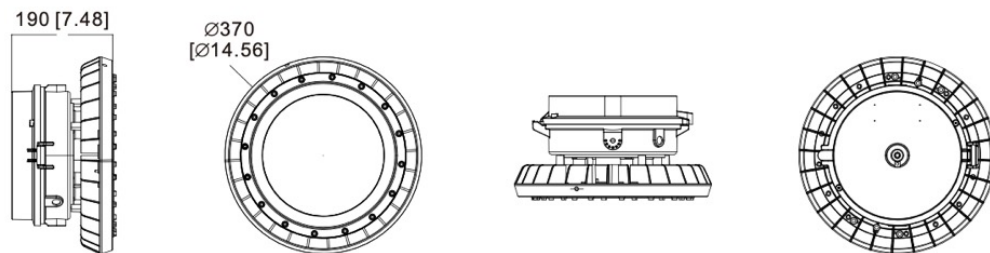
# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## DIMENSIONS, CONTINUED

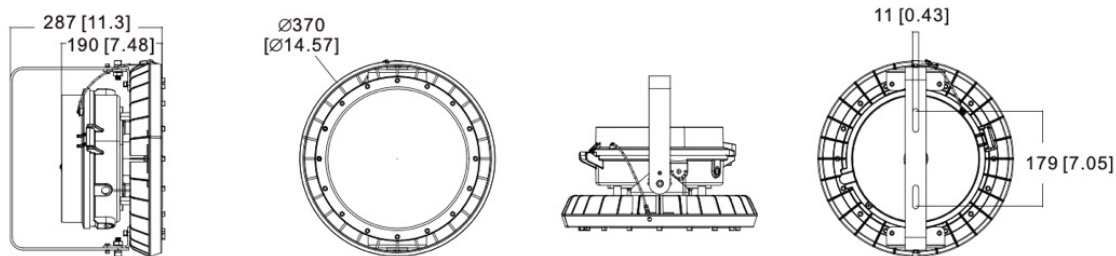
B3 with driver cover A and flat diffuser



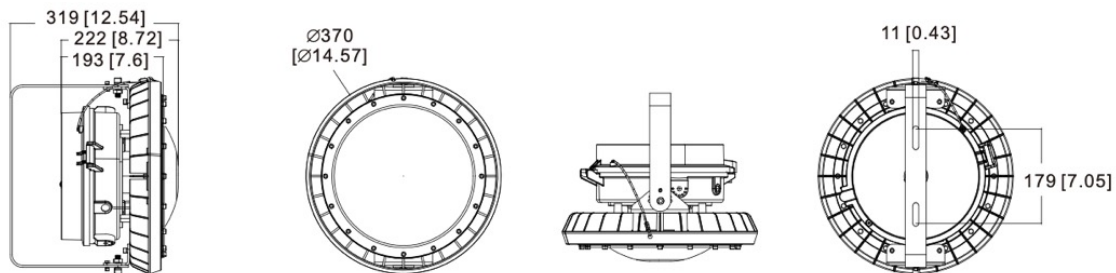
B3 with driver cover B and flat diffuser



B3 with driver cover B, flat diffuser, and bracket



B3 with driver cover B, convex diffuser (glass or PC), and bracket

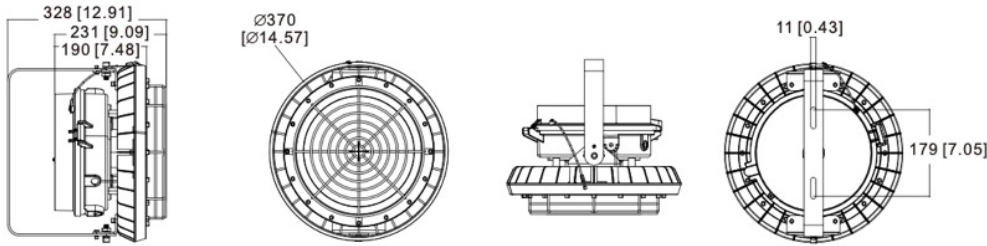




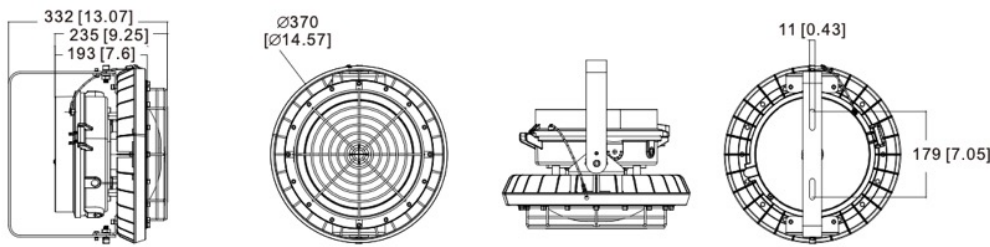
# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## DIMENSIONS, CONTINUED

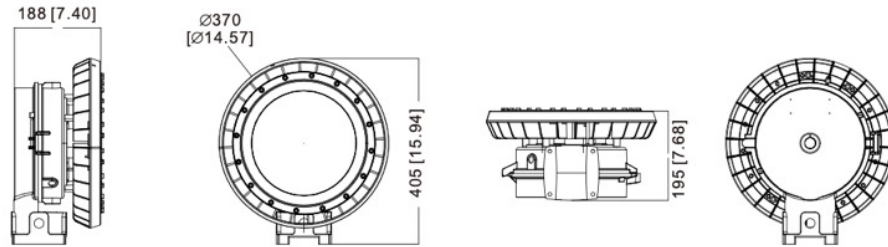
B3 with driver cover B, wire guard, flat diffuser, and bracket



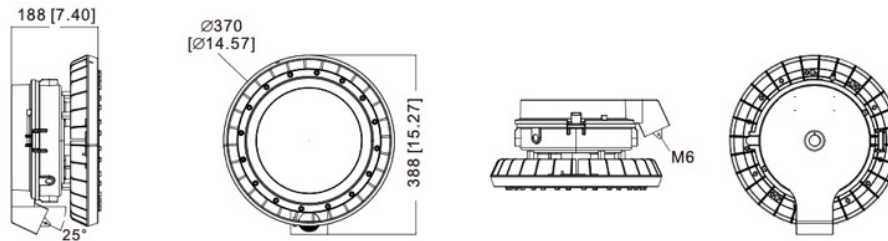
B3 with driver cover B, wire guard, convex diffuser (glass or PC), and bracket



B3 with driver cover C and flat diffuser



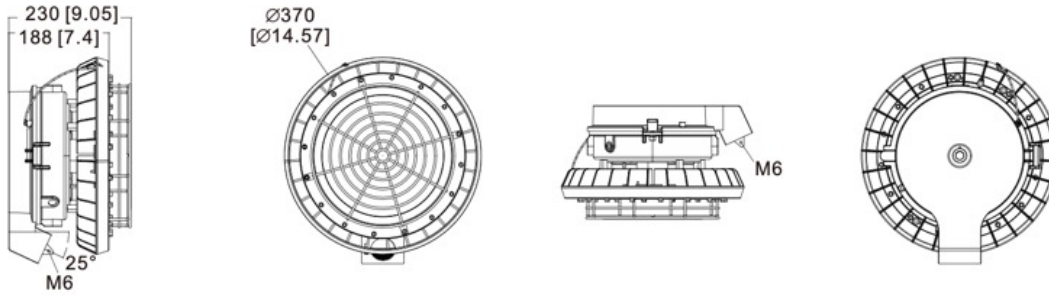
B3 with driver cover D and flat diffuser



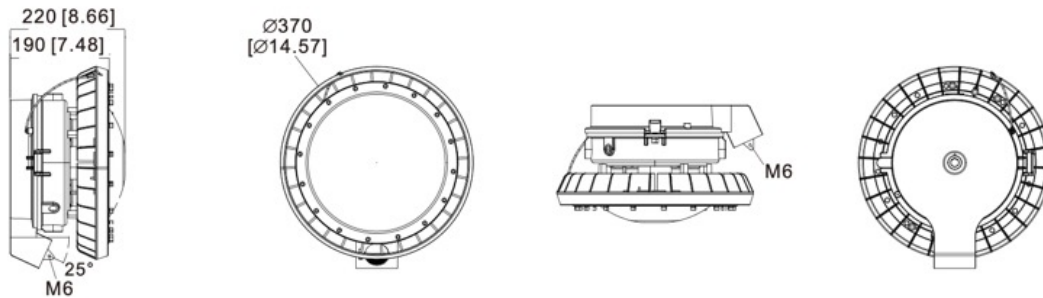
# EXPLOSION PROOF EAGLE EYE I HIGH BAY FIXTURE

## DIMENSIONS, CONTINUED

B3 with driver cover D, wire guard and flat diffuser



B3 with driver cover D and convex diffuser (glass or PC)



B3 with driver cover D, wire guard, and convex diffuser (glass or PC)

