



# L1102

## Luminaires For Use In Hazardous Locations



100W  
(COB)

95W  
(SMD)

**CID2**  
Group  
A, B, C, D

**IP67**

**NEMA**  
6

### Protection

- Class I, Division 2  
Group A, B, C, D
- Class II, Division 2  
Group F, G  
(for COB: 120V / 277V / 480V)

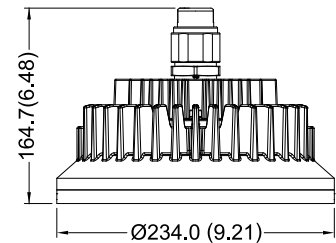
### Standards

- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No 137-M1981
- CSA C22.2 No. 250.0

Net Weight: 5.5 kg (12.1 lb)

## Technical Data

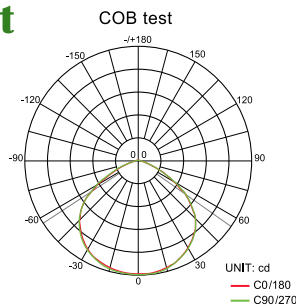
Rated Voltage (±10%)	COB: 120V / 208V / 277V / 480V AC , SMD: 120V / 220V / 277V AC							
Watts (±10%)	COB: 60W / 80W / 100W, SMD: 65W / 75W / 95W							
Amps	60W 120V: 0.50A, 208V: 0.29A, 277V: 0.22A, 480V: 0.13A / 80W 120V: 0.67A, 208V: 0.38A, 277V: 0.29A, 480V: 0.17A / 100W 120V: 0.83A, 208V: 0.48A, 277V: 0.36A, 480V: 0.21A / 65W 120V: 0.54A, 220V: 0.30A, 277V: 0.23A / 75W 120V: 0.63A, 220V: 0.34A, 277V: 0.27A / 95W 120V: 0.79A, 220V: 0.43A, 277V: 0.34A							
Color of LED Light	3000K (Warm White) / 5000K (Cool White)							
Ambient Temperature	-40°C ~ +40°C, T4 / -40°C ~ +40°C, T3A (for 208V)							
Power Factor	cos ≥ 0.9, cos ≥ 0.87(480V)							
CRI	Cool White ≥ 70 / Warm White ≥ 80							
Lumen (±10%)	COB	60W	80W	100W	SMD	65W	75W	95W
	3000K	5700lm	7600lm	9000lm	3000K	6175lm	7215lm	8550lm
	5000K	6000lm	8000lm	10000lm	5000K	6500lm	7500lm	9500lm
Beam Angle	X-110° / Y-110°							
Frequency	50 / 60 Hz							
Degree of Protection	IP67 / NEMA 6							
Material	• Enclosure	Aluminum alloy						
	• Glass	Tempered glass						
LED Service Life	60,000 hrs							
Entrance Thread	1 × NPT 3/4"							



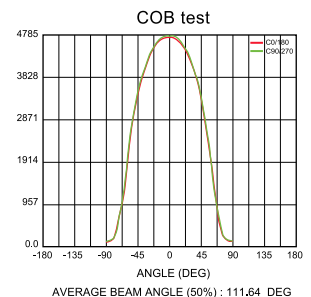
Dimension in Millimeters (inches)

## Optical Report

Polar Luminous  
Intensity Distribution



Luminous  
Intensity Distribution Diagram



## Model Code

<b>THT</b>	<b>-</b>	<b>2L</b>	<b>A</b>	<b>100</b>	<b>Z</b>	<b>4</b>	<b>9</b>	<b>C</b>	<b>1102</b>	<b>C90</b>	<b>R</b>
		①		②		③	④	⑤		⑥	⑦

### ① Category of Product

2L=COB LED  
2K=SMD LED

### ② Wattage

COB: 60W=60W,  
80W=80W, 100=100W  
SMD: 65W=65W,  
75W=75W, 95W=95W

### ③ Temperature Class of Product

4=T4, 3=T3A (for 208V)

### ④ Voltage

6=120V, 7=208V, 2=220V  
9=277V, C=480V

### ⑤ C.C.T.

C=Cool White  
W=Warm White

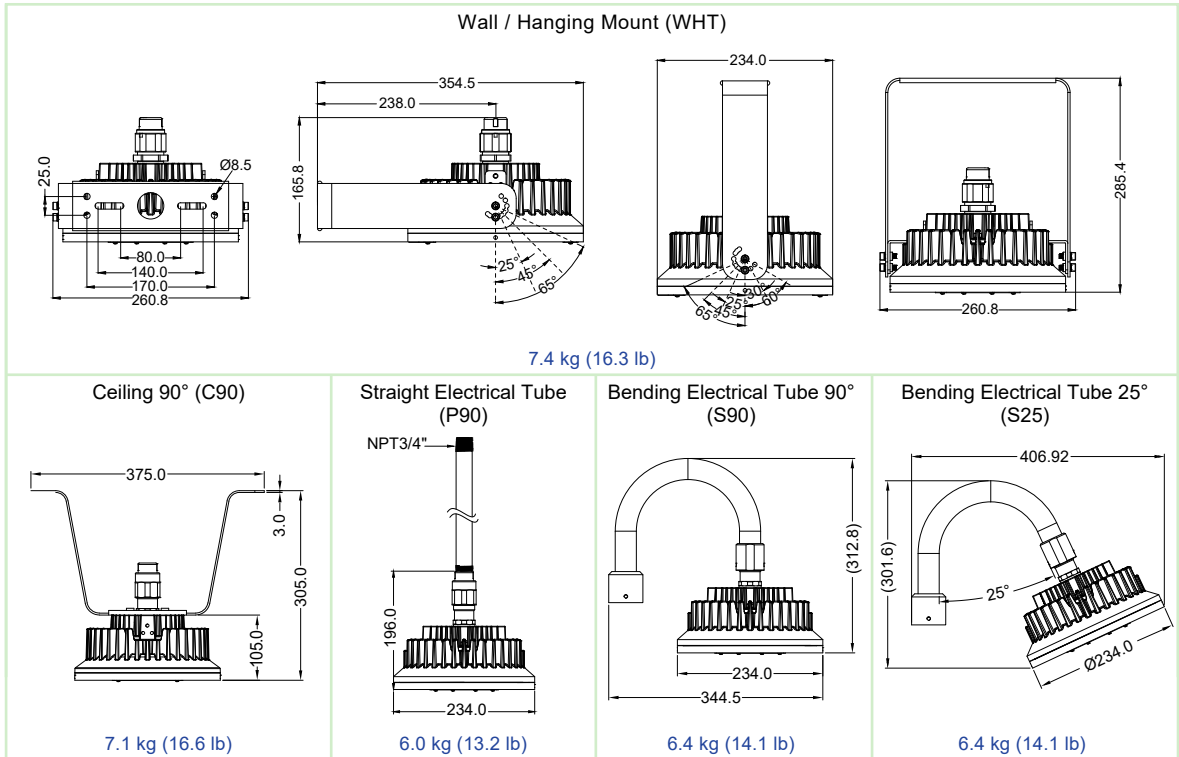
### ⑥ Mounting Bracket Type

C90=Ceiling mounting 90°  
WHT=Wall/Hanging mounting  
S25/90=Bending Electrical Tube 25°/90°  
P90=Straight Electrical Tube  
PAN=Pan Mounting - C Brand  
PANA=Pan Mounting - A Brand  
PANK=Pan Mounting - K Brand

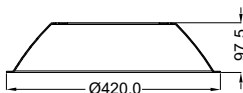
### ⑦ Optional Accessory

R=Reflector  
P1=PC Cover-Diffuser  
(Keep the code blank if no accessory is needed.)

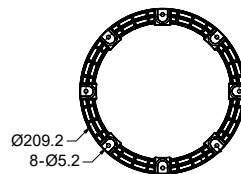
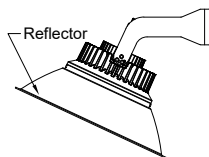
## Mounting Option & Dimensions (All in mm)



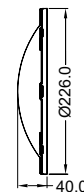
## Optional Accessory



Reflector (R)



PC Cover - Diffuser (P1)



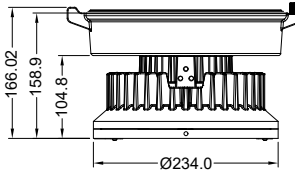
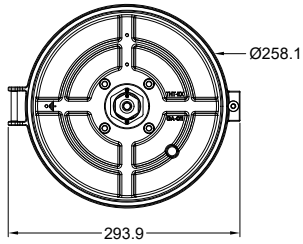
### Applicable Area

- Oil Refinery Complex
- Painting Facility
- Transporting Liquefied
- Offshore Platform
- Petrochemical Complex
- Transporting Nature Gas
- Petroleum Gas
- (Oil and Natural Gas)

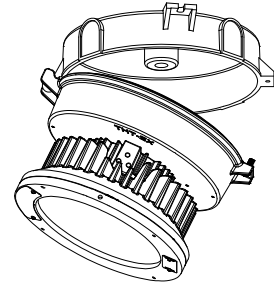
# Pan Mounting Option & Dimensions (All in mm)

## Retrofit Kit for C Brand

(PAN)



Installation Diagram

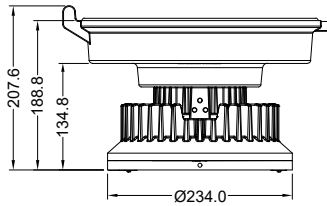
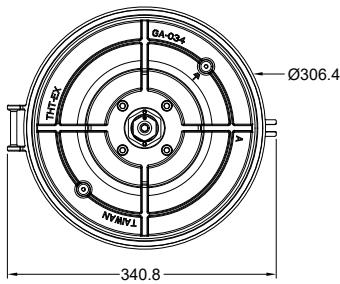


\*Top hat is not included when placing order for retrofit pan.

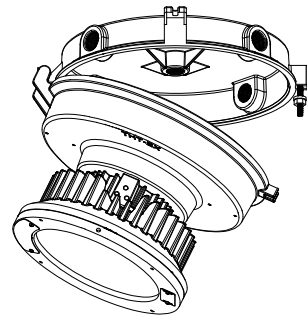
6.5 kg (14.3 lb)

## Retrofit Kit for A Brand

(PANA)



Installation Diagram

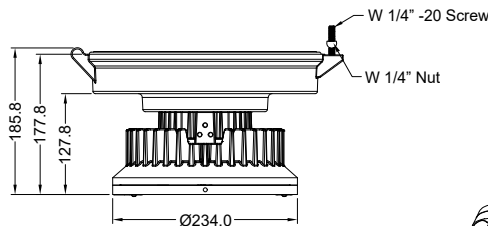
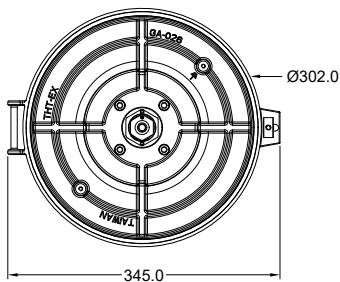


\*Top hat is not included when placing order for retrofit pan.

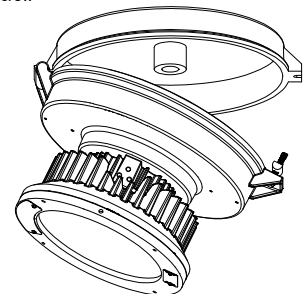
6.8 kg (15.0 lb)

## Retrofit Kit for K Brand

(PANK)



Installation Diagram



\*Top hat is not included when placing order for retrofit pan.

7.0 kg (15.4 lb)