

L1905

Luminaires For Use In Hazardous Locations



Lighting
with Guard



CID2
Group
A, B, C, D

IP67

NEMA
6

Protection

- Class I, Division 2,
Group A, B, C, D

Standards

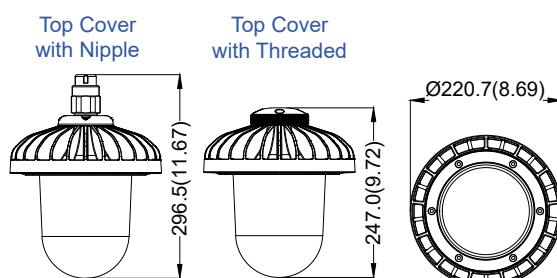
UL 844
UL 1598 Luminaires
UL 8750
CSA C22.2 No. 137-18
CSA C22.2 No. 250.0-18
CSA C22.2 No. 250.13

Net Weight: 4.3 kg (9.5 lb)

Technical Data

LED Light Source	Color of LED Light	Watts (±10%)	Rated Voltage (±10%)
COB	3000K (Warm White)	10W	100V / 110V / 120V / 200V / 220V / 277V
	5000K (Cool White)	20W	100V / 110V / 120V / 200V / 208V / 220V / 240V / 277V / 347V / 480V
	Red	20W	120V / 277V / 480V
	Green	20W	120V / 220V / 277V / 347V / 480V
SMD	3000K (Warm White) 5000K (Cool White)	40W / 50W / 60W	110V / 120V / 220V / 230V / 277V / 347V / 480V
	Red	50W	220V

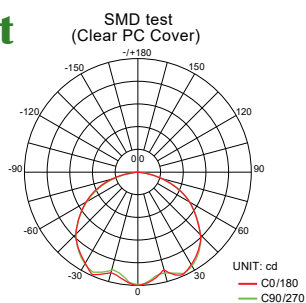
Amps	COB 0.03A~0.20A / SMD 0.08A~0.55A	
Ambient Temperature	-40°C ~ +40°C, T4A / -40°C ~ +65°C, T3C	
Power Factor	cos ≥ 0.9 / cos ≥ 0.87(480V)	
CRI	Cool White ≥ 70 / Warm White ≥ 80	
Lm / W (±10%)	Cool White ≥ 100lm / Warm White ≥ 90lm	
Beam Angle	Clear X-127°, Y-127° Matte X-177°, Y-177°	
Frequency	50 / 60 Hz	
Degree of Protection	IP67 / NEMA 6	
Material	- Enclosure - Cover	Aluminum Alloy Clear / Matte PC Cover
LED Service Life	60,000 hrs	



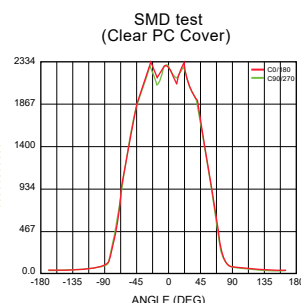
Dimension in Millimeters (inches)

Optical Report

Polar Luminous
Intensity Distribution



Luminous
Intensity Distribution Diagram



Model Code

THT	H	1905	A	C	B	C	9	F0	WHT	G
①	②	③	④	⑤	⑥	⑦	⑧			

① PC Cover

A=PC Cover with Clear
B=PC Cover with Matte

② Wiring Compartment

C=Top Cover with Nipple
S=Top Cover with Threaded

③ LED Module

B=COB LED
K=SMD LED

④ C.C.T.

C=Cool White, W=Warm White
R=Red, G=Green

⑤ Voltage

4=100V 2=220V
1=110V D=230V
6=120V 8=240V
5=200V 9=277V
7=208V F=347V
C=480V

⑥ Wattage

A0=10W, B0=20W,
D0=40W, E0=50W,
F0=60W

⑧ Optional Accessory

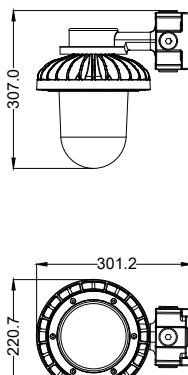
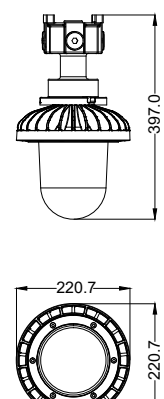
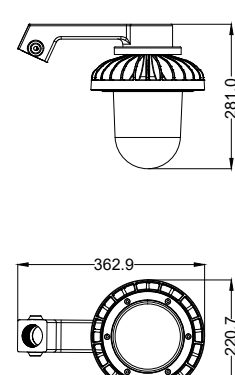
G=Guard

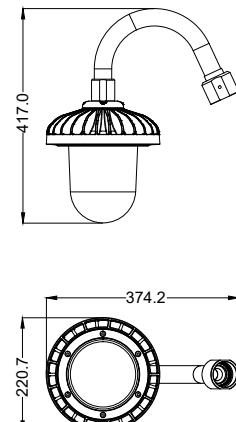
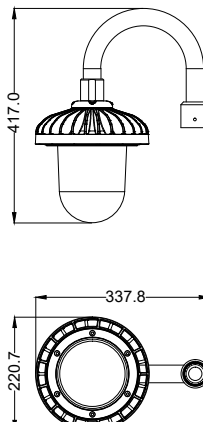
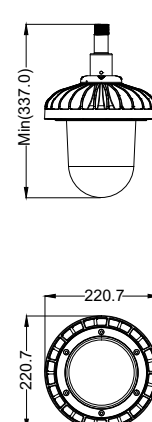
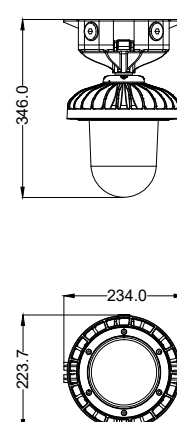
(Keep the code blank if no accessory is needed.)

⑦ Mounting Bracket Type

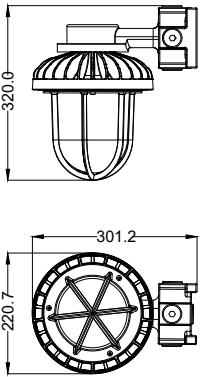
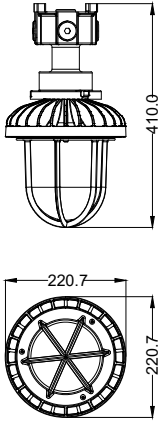
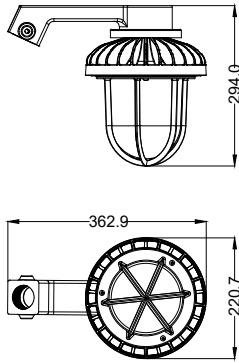
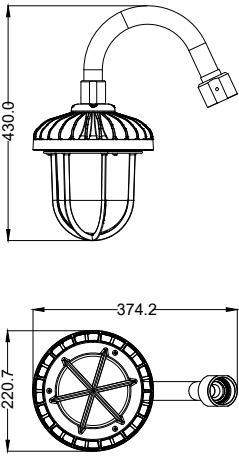
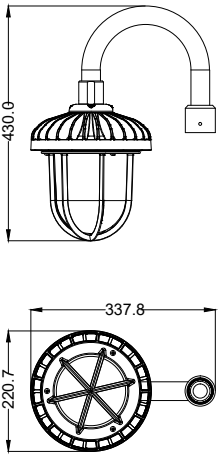
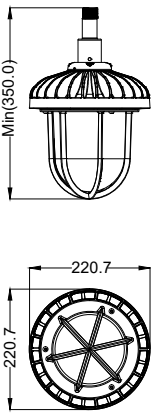
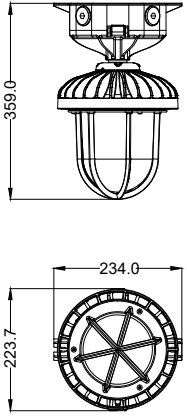
W=Wall Mount
H=Hanging Mount
P=Pendant Mount
C=Ceiling Mount
S=Stanchion Mount
S25=Stanchion Mount 25°
S90=Stanchion Mount 90°

Mounting Option & Dimensions (All in mm)

Top Cover with Threaded		
Wall Mount (W)	Hanging Mount (H)	Stanchion Mount (S)
		
6.2 kg (13.7 lb)	6.2 kg (13.7 lb)	5.8 kg (12.8 lb)

Top Cover with Nipple			
Stanchion Mount 25° (S25)	Stanchion Mount 90° (S90)	Pendant Mount (P)	Ceiling Mount (C)
			
5.3 kg (11.7 lb)	5.4 kg (11.9 lb)	4.6 kg (10.1 lb)	6.2 kg (13.7 lb)

With Optional Accessory “Guard”

Top Cover with Threaded			
Wall Mount (W)  6.4 kg (14.1 lb)	Hanging Mount (H)  6.4 kg (14.1 lb)	Stanchion Mount (S)  6.0 kg (13.2 lb)	
Top Cover with Nipple			
Stanchion Mount 25° (S25)  5.5 kg (12.1 lb)	Stanchion Mount 90° (S90)  5.6 kg (12.3 lb)	Pendant Mount (P)  4.8 kg (10.6 lb)	Ceiling Mount (C)  6.4 kg (14.1 lb)

Lighting with Guard



Matte PC Cover



Clear PC Cover

Applicable Area

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