

# L1905

## Luminaires For Use In Hazardous Locations



**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

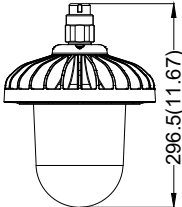
Net Weight: 4.3 kg (9.5 lb)

## Technical Data

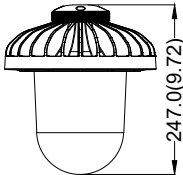
LED Light Source	Color of LED Light	Watts (±10%)	Rated Voltage (±10%)
COB	3000K (Warm White)	10W	100V / 110V / 120V / 200V / 220V / 277V
	5000K (Cool White)	20W	100V / 110V / 120V / 200V / 208V / 220V / 240V / 277V / 347V / 480V
	Red	20W	120V / 277V / 480V
	Green	20W	120V / 220V / 277V / 347V / 480V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

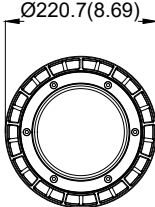
Amps	COB 0.03A~0.20A / SMD 0.08A~0.55A		
Ambient Temperature	-40°C ~ +40°C, T4A / -40°C ~ +65°C, T3C		
Power Factor	cos≥0.9 / cos≥0.87(480V)		
CRI	Cool White≥70 / Warm White≥80		
Lm / W (±10%)	Cool White≥100lm / Warm White≥90lm		
Beam Angle	Clear X-127°, Y-127° Matte X-177°, Y-177°		
Frequency	50 / 60 Hz		
Degree of Protection	IP67 / NEMA 6		
Material	<ul style="list-style-type: none"><li>• Enclosure</li><li>• Cover</li></ul>	Aluminum Alloy Clear / Matte PC Cover	
LED Service Life	60,000 hrs		

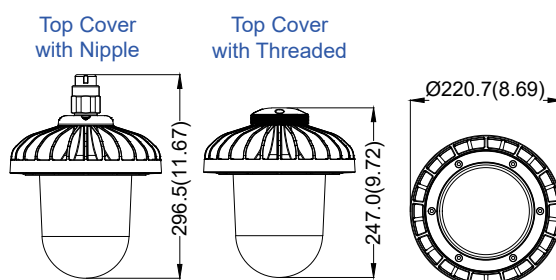
Top Cover  
with Nipple



Top Cover  
with Threaded



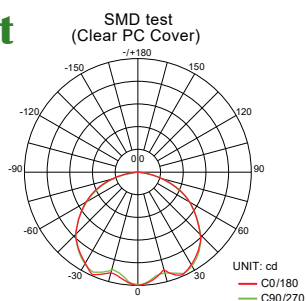




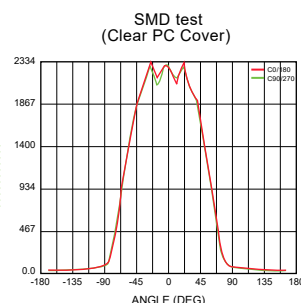
Dimension in Millimeters (inches)

## 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.)

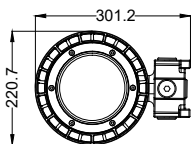
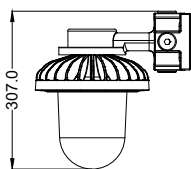
### ⑦ Mounting Bracket Type

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)

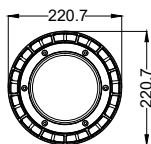
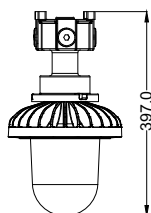
### Top Cover with Threaded

Wall Mount (W)



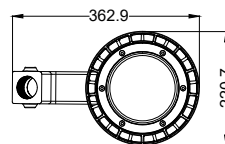
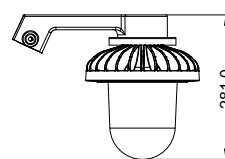
6.2 kg (13.7 lb)

Hanging Mount (H)



6.2 kg (13.7 lb)

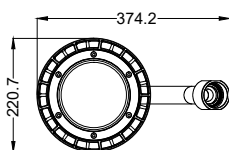
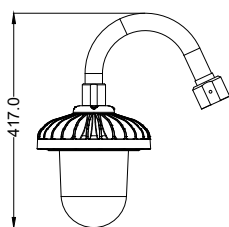
Stanchion Mount (S)



5.8 kg (12.8 lb)

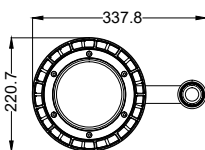
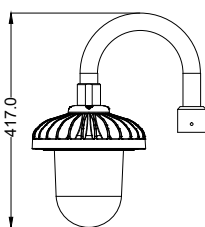
### Top Cover with Nipple

Stanchion Mount 25° (S25)



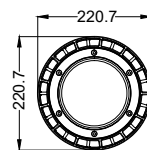
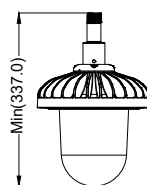
5.3 kg (11.7 lb)

Stanchion Mount 90° (S90)



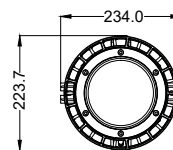
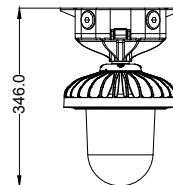
5.4 kg (11.9 lb)

Pendant Mount (P)



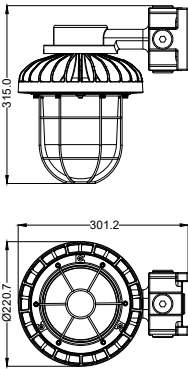
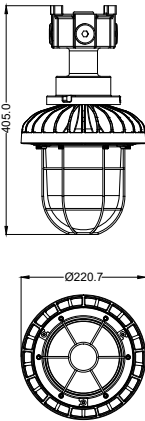
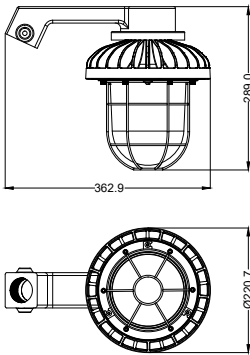
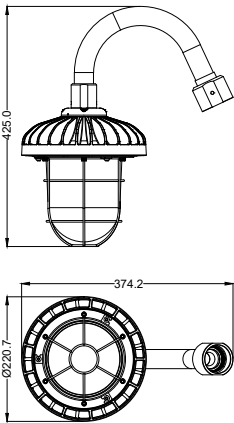
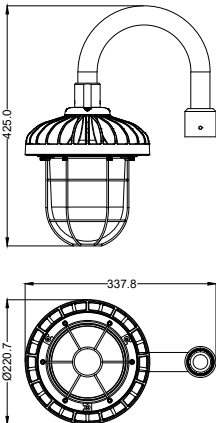
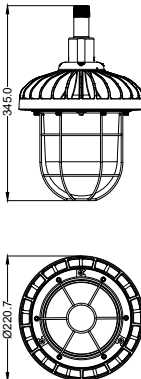
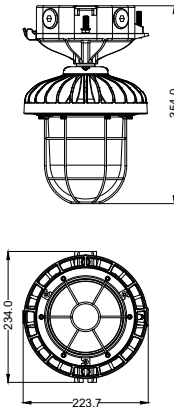
4.6 kg (10.1 lb)

Ceiling Mount (C)



6.2 kg (13.7 lb)

## With Optional Accessory “Guard”

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

### Applicable Area

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