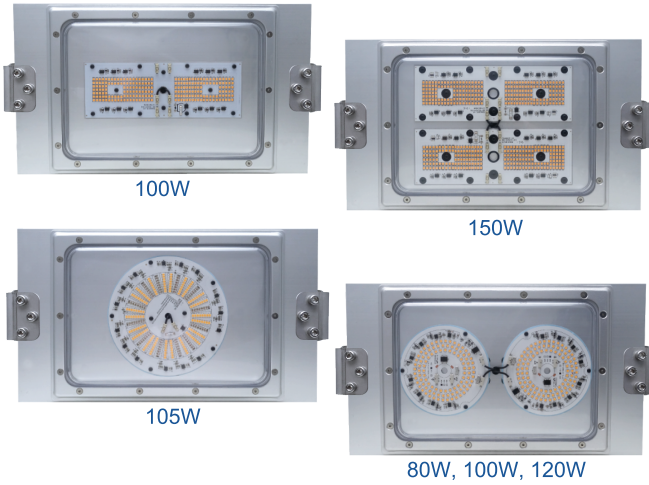


# L1403L (Single Module)

Universal Explosion-proof LED Lighting



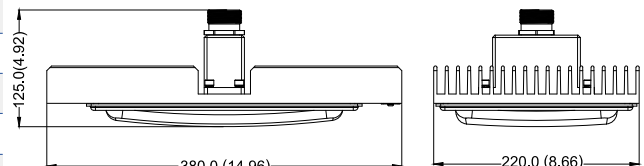
| Protection                               | Standards    |
|--|--------------|
| • Ex nR IIC T4...T6 Gc                   | IEC 60079-0  |
| • Ex tb IIIC T110°C...T85°C Db           | IEC 60079-15 |
| • Ex II 3 G Ex nR IIC T4...T6 Gc         | IEC 60079-31 |
| • Ex II 2 D Ex tb IIIC T110°C...T85°C Db | EN 60079-0   |
|  | EN 60079-15  |
|  | EN 60079-31  |

Net Weight: 5.0 kg (11.0 lb)



## Technical Data

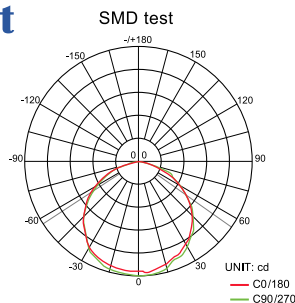
|                      |  |       |        |         |         |         |          |       |        |         |        |         |         |
|----------------------|--|-------|--------|---------|---------|---------|----------|-------|--------|---------|--------|---------|---------|
| Rated Voltage (±10%) | 110V / 220V / 230V / 277V AC   |       |        |         |         |         |          |       |        |         |        |         |         |
| Watts (±10%)         | Circle SMD: 80W / 100W / 105W / 120W ; Rectangle SMD: 100W / 150W  |       |        |         |         |         |          |       |        |         |        |         |         |
| Amps                 | 80W 110V: 0.73A, 220V: 0.36A, 230V: 0.35A, 277V: 0.29A<br>100W 110V: 0.91A, 220V: 0.45A, 230V: 0.43A, 277V: 0.36A<br>105W 110V: 0.95A, 220V: 0.48A, 230V: 0.46A, 277V: 0.38A<br>120W 110V: 1.09A, 220V: 0.55A, 230V: 0.52A, 277V: 0.43A<br>150W 110V: 1.36A, 220V: 0.68A, 230V: 0.65A, 277V: 0.54A |       |        |         |         |         |          |       |        |         |        |         |         |
| Color of LED Light   | Circle SMD: 3000K (Warm White) / 5000K (Cool White)<br>Rectangle SMD: 2700K (Warm White) / 6500K (Cool White)  |       |        |         |         |         |          |       |        |         |        |         |         |
| Ambient Temperature  | -20°C ~ +40°C, T6 / -20°C ~ +55°C, T5  |       |        |         |         |         |          |       |        |         |        |         |         |
| Power Factor         | cos ≥ 0.9  |       |        |         |         |         |          |       |        |         |        |         |         |
| CRI                  | Cool White ≥ 70 / Warm White ≥ 80  |       |        |         |         |         |          |       |        |         |        |         |         |
| Lumen (±10%)         | Clear PC Cover   | 80W   | 100W   | 105W    | 120W    | 150W    | Diffuser | 80W   | 100W   | 105W    | 120W   | 150W    |         |
|                      |  | 3000K | 8400lm | 10500lm | 9900lm  | 12600lm | 16600lm  | 3000K | 7500lm | 9400lm  | 8900lm | 11300lm | 14900lm |
|                      |  | 5000K | 9600lm | 12000lm | 10500lm | 14100lm | 18000lm  | 5000K | 8600lm | 10800lm | 9400lm | 12700lm | 16200lm |
| Beam Angle           | X-117° / Y-117°  |       |        |         |         |         |          |       |        |         |        |         |         |
| Frequency            | 50 / 60 Hz   |       |        |         |         |         |          |       |        |         |        |         |         |
| Degree of Protection | IP67 / NEMA 6  |       |        |         |         |         |          |       |        |         |        |         |         |
| Material • Enclosure | Aluminum alloy   |       |        |         |         |         |          |       |        |         |        |         |         |
| LED Service Life     | 60,000 hrs   |       |        |         |         |         |          |       |        |         |        |         |         |



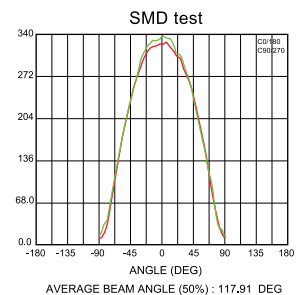
Dimension in Millimeters (inches)

## Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



## Model Code

|            |          |             |          |          |          |          |          |           |            |
|------------|----------|-------------|----------|----------|----------|----------|----------|-----------|------------|
| <b>THT</b> | <b>H</b> | <b>1403</b> | <b>S</b> | <b>C</b> | <b>H</b> | <b>C</b> | <b>9</b> | <b>P0</b> | <b>C90</b> |
|            |          |             |          |          | ①        | ②        | ③        | ④         | ⑤          |

### ① Type of LED module

H=Rectangle SMD type LED  
K=Circle SMD type LED

### ③ Voltage

1=110V, 2=220V  
D=230V, 9=277V

### ④ Wattage

H0=80W, J0=100W  
J5=105W, L0=120W  
P0=150W

### ⑤ Mounting Bracket Type

C90=Ceiling mount 90°  
P90=Pendant mount  
S25=Bending Electrical Tube 25°  
WHT(W90)=Wall mount 90°  
WHT(H90)=Hanging mount 90°

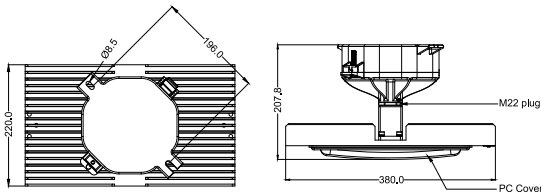
### ② C.C.T.

C=Cool White  
W=Warm White



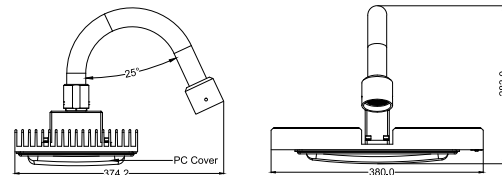
## Mounting Option & Dimensions (All in mm)

Ceiling 90° (C90)



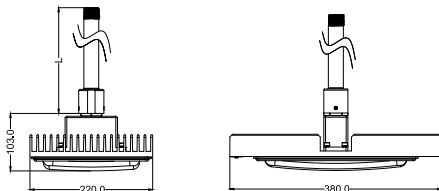
6.3 kg (13.8 lb)

Bending Electrical Tube 25° (S25)



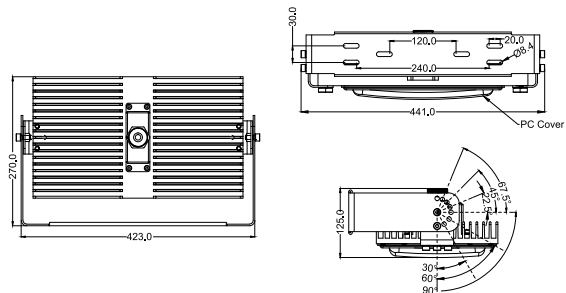
6.4 kg (14.1 lb)

Pendant (P90)



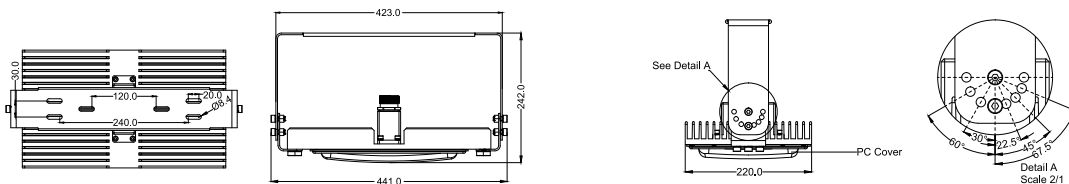
7.1 kg (16.6 lb)

Wall Mount 90° [WHT(W90)]



6.4 kg (14.1 lb)

Hanging Mount 90° [WHT(H90)]



6.4 kg (14.1 lb)

### Applicable Area

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