# L1102

## Universal Explosion-proof LED Lighting

NOM This product is in compliance with NOM regulations.

Zone 1 | Zone 2 | Zone 21 | Zone 22 | IP67 | NEMA 6

Net Weight: 5.5 kg (12.1 lb)

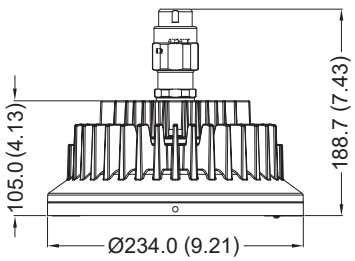
### Protection
- Ex d IIC T5 Gb
- Ex tD A21 T95˚C

### Standards
GB 3836.1
GB 3836.2
GB 12476.1
GB 12476.5
IEC 61241-1

### Light Features
- High efficacy
- Applicable to high temperature environment
- Retrofit to conventional explosion-proof light

## Technical Data

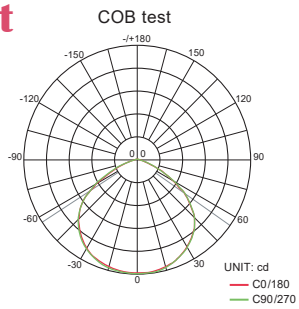
| | |
|---|---|
| Rated Voltage (±10%) | 24V / 110V / 220V AC |
| Watts (±10%) | 60W / 80W / 100W (Watts of 24V are different, please contact us for details.) |
| Amps | 60W 24V: 2.50A, 110V: 0.55A, 220V: 0.27A<br>80W 24V: 3.33A, 110V: 0.73A, 220V: 0.36A<br>100W 24V: 4.17A, 110V: 0.91A, 220V: 0.45A |
| Color of LED Light | 3000K (Warm White) / 5000K (Cool White) |
| Ambient Temperature | -20°C ~ +40°C, T5 |
| Power Factor | cos≧0.9 |
| CRI | Cool White≧70 / Warm White≧80 |
| Lumen (±10%) | COB 60W 80W 100W<br>3000K 5700lm 7600lm 9000lm<br>5000K 6000lm 8000lm 10000lm |
| Beam Angle | X-110° / Y-110° |
| Frequency | 50 / 60 Hz |
| Degree of Protection | IP67 / NEMA 6 |
| Material • Enclosure<br>• Glass | Aluminum alloy<br>Tempered glass |
| LED Service Life | 60,000 hrs |
| Entrance Thread | 1 × NPT 3/4” |



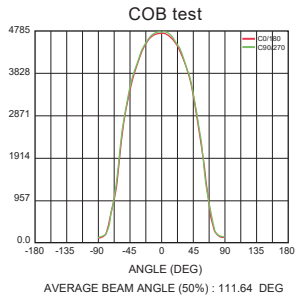

Dimension in Millimeters (inches)

## Optical Report

Polar Luminous Intensity Distribution




Luminous Intensity Distribution Diagram






THT-EX reserves the right to make changes at any time in order to supply the best product possible.

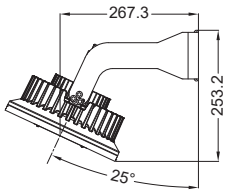
## Model Code

| THT | 2L | A | 100 | d | 5 | 2 | C | 1102 | C90 |
|---|---|---|---|---|---|---|---|---|---|

- THT: Brand, THT=TOP HI-TECH CO., LTD.
- 2L: Category of product, 2L=LED lightings use COB LED module
- A: Current of LED module, A=AC
- 100: Wattage, 60W=60W, 80W=80W, 100=100W
- d: Protection type of product, d=d type
- 5: Temperature class of product, 5=T5
- 2: Voltage, 1=110V, 2=220V, 3=24V
- C: C.C.T., C=Cool White, W=Warm White
- 1102: Model Name, 1102=Model L1102
- C90: Mounting bracket type
  - C90=Ceiling mounting 90°
  - W25/90=Wall mounting 25°/90°
  - H25/90=Hanging mounting 25°/90°
  - S25/90=Stanchion 25°/90°
  - P90=Pendant
  - RO=Rotatable
  - TA=Tripod Adjustable
  - LA=Long Adjustable

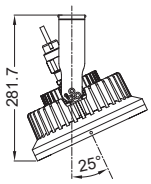
## Mounting Option & Dimensions (All in mm)

### Wall Mount 25° (W25)



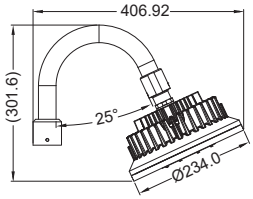

6.6 kg (14.5 lb)

### Hanging Mount 25° (H25)



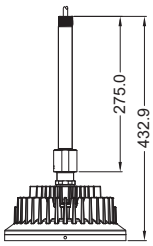

6.6 kg (14.5 lb)

### Stanchion 25° (S25)



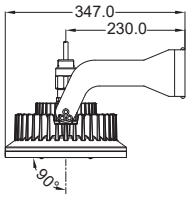

6.4 kg (14.1 lb)

### Pendant (P90)



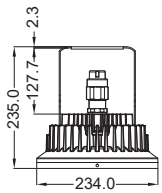

6.0 kg (13.2 lb)

### Wall Mount 90° (W90)



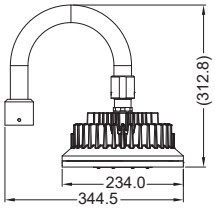

6.6 kg (14.5 lb)

### Hanging Mount 90° (H90)




6.6 kg (14.5 lb)

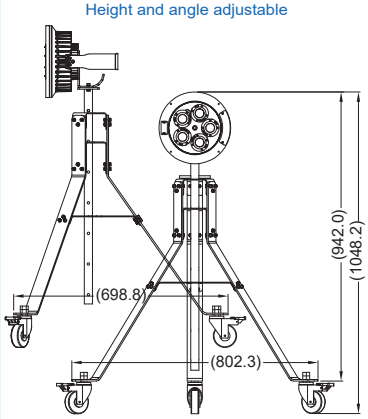
### Stanchion 90° (S90)




6.4 kg (14.1 lb)

### Long Adjustable (LA)

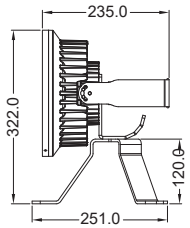
Height and angle adjustable




Optional wheel accessory could be added if specified

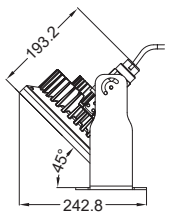
17.6 kg (38.8 lb)

### Tripod Adjustable (TA)



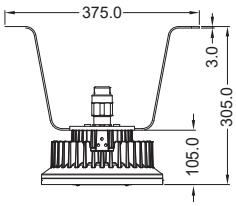

7.6 kg (16.8 lb)

### Rotatable (RO)



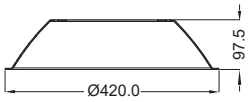

7.4 kg (16.3 lb)

### Ceiling 90° (C90)

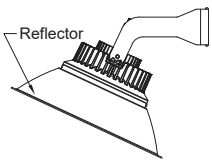


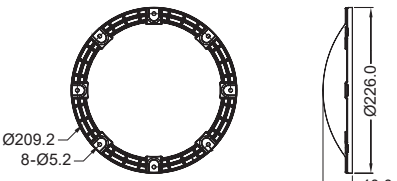

7.1 kg (15.6 lb)

## Optional Accessory




Reflector




PC Cover - Diffuser

### Applicable Area

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