

# L1219B

## Universal Explosion-proof LED Lighting



Net Weight: 9.5 kg (20.9 lb)



**LED Tower**



### Protection

- Ex d IIB + H<sub>2</sub> T5...T4 Gb
- Ex tb IIIC T90°C...T105°C Db

### Standards

JNIOOSH-TR-46-1  
 JNIOOSH-TR-46-2  
 JNIOOSH-TR-46-9  
 IEC 60079-0  
 IEC 60079-1  
 IEC 60079-31

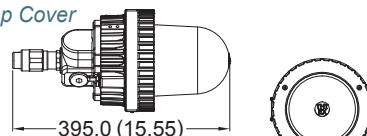
### Light Features

- 360° illumination angle
- Applicable to high temperature environment
- Ideal for replacing traditional HPS Lighting

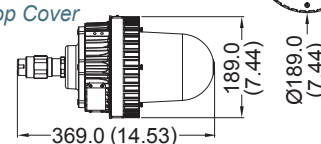
## Technical Data

|                      |  |                                  |         |         |         |
|----------------------|--|----------------------------------|---------|---------|---------|
| Rated Voltage (±10%) | 100V / 110V / 120V / 200V / 208V / 220V AC   |                                  |         |         |         |
| Watts (±10%)         | 50W / 73W / 83W / 90W  |                                  |         |         |         |
| Amps                 | <b>50W</b> 100V: 0.50A, 110V: 0.45A, 120V: 0.42A, 200V: 0.25A, 208V: 0.24A, 220V: 0.23A<br><b>73W</b> 100V: 0.73A, 110V: 0.66A, 120V: 0.61A, 200V: 0.37A, 208V: 0.35A, 220V: 0.33A<br><b>83W</b> 100V: 0.83A, 110V: 0.75A, 120V: 0.69A, 200V: 0.42A, 208V: 0.40A, 220V: 0.38A<br><b>90W</b> 100V: 0.90A, 110V: 0.82A, 120V: 0.75A, 200V: 0.45A, 208V: 0.43A, 220V: 0.41A |                                  |         |         |         |
| 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  | 50W                              | 73W     | 83W     | 90W     |
|                      | 3000K  | 4500 lm                          | 6570lm  | 7470 lm | 8100 lm |
|                      | 5000K  | 5000 lm                          | 7300 lm | 8300 lm | 9000 lm |
| Beam Angle           | X-110° / Y-110°  |                                  |         |         |         |
| Frequency            | 50 / 60 Hz   |                                  |         |         |         |
| Degree of Protection | IP68 / NEMA 6P   |                                  |         |         |         |
| Material             | <ul style="list-style-type: none"> <li>• Enclosure</li> <li>• Glass</li> </ul>   | Aluminum alloy<br>Tempered glass |         |         |         |
| LED Service Life     | 60,000 hrs   |                                  |         |         |         |
| Entrance Thread      | G 3/4" × 4 (Tall top cover)<br>G 3/4" × 1 (Short top cover)  |                                  |         |         |         |

Tall Top Cover



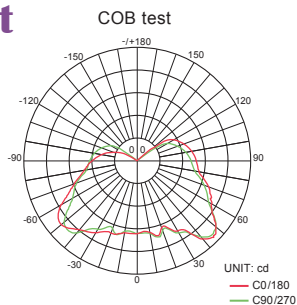
Short Top Cover



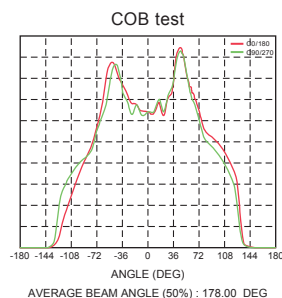
Dimension in Millimeters (inches)

## Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



## Model Code

|               |             |          |          |          |          |          |          |            |
|---------------|-------------|----------|----------|----------|----------|----------|----------|------------|
| <b>THT-EX</b> | <b>1219</b> | <b>C</b> | <b>E</b> | <b>C</b> | <b>B</b> | <b>5</b> | <b>1</b> | <b>C90</b> |
|---------------|-------------|----------|----------|----------|----------|----------|----------|------------|

Brand, THT=TOP HI-TECH CO., LTD.  
 Model Name, 1219=Model L1219  
 C.C.T., C=Cool White, W=Warm White  
 Voltage, B=100V, C=110V, D=200V, E=220V, F=120V, G=208V  
 Type of LED carrier, C=Cylinder  
 Type of Top Cover, A=Tall type, B=Short type  
 LED quantity, 5=5 LED  
 Wattage, 1=10W, A=10W+20W, B=10W+33W, D=10W+20W+33W  
 Mounting bracket type  
 W25/90=Wall Mount 25°/90°  
 H25/90=Hanging Mount 25°/90°  
 S25/90=Stanchion 25°/90°  
 P30=Pendant  
 C90=Ceiling

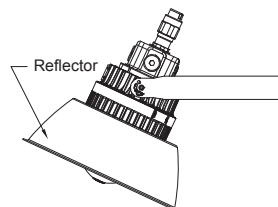
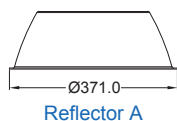
## Mounting Option & Dimensions (All in mm)

| Tall Top Cover (Standard Product)                       |   |  |  |
|---|---|--|--|
| <b>Wall Mount 25° (W25)</b><br><br>10.0 kg (22.0 lb)    | <b>Wall Mount 90° (W90)</b><br><br>10.0 kg (22.0 lb)    | <b>Stanchion 25° (S25)</b><br><br>10.5 kg (23.1 lb)      | <b>Ceiling (C90)</b><br><br>10.9 kg (24.0 lb)  |
| <b>Hanging Mount 25° (H25)</b><br><br>10.0 kg (22.0 lb) | <b>Hanging Mount 90° (H90)</b><br><br>10.0 kg (22.0 lb) | <b>Stanchion 90° (S90)</b><br><br>10.6 kg (23.4 lb)      | <b>Pendant (P30)</b><br><br>10.0 kg (22.0 lb)  |
| Tall Top Cover (With Accessory "Guard")                 |   |  |  |
| <b>Wall Mount 25° (W25G)</b><br><br>10.2 kg (22.4 lb)   | <b>Wall Mount 90° (W90G)</b><br><br>10.2 kg (22.4 lb)   | <b>Hanging Mount 25° (H25G)</b><br><br>10.2 kg (22.4 lb) | <b>Ceiling (C90G)</b><br><br>10.5 kg (23.1 lb) |
| <b>Stanchion 25° (S25G)</b><br><br>10.7 kg (23.6 lb)    | <b>Stanchion 90° (S90G)</b><br><br>10.8 kg (23.8 lb)    | <b>Hanging Mount 90° (H90G)</b><br><br>10.2 kg (22.4 lb) | <b>Pendant (P30G)</b><br><br>10.2 kg (22.4 lb) |

## Mounting Option & Dimensions (All in mm)

| Short Top Cover (Standard Product)   |   |  |
|--|---|--|
| <p>Wall Mount 25° (W25)</p> <p>259.0</p> <p>25°</p> <p>9.4 kg (20.7 lb)</p>                  | <p>Wall Mount 90° (W90)</p> <p>259.0</p> <p>369.0</p> <p>9.4 kg (20.7 lb)</p>     | <p>Pendant (P30)</p> <p>9.4 kg (20.7 lb)</p>                                 |
| <p>Hanging Mount 25° (H25)</p> <p>25°</p> <p>466.98</p> <p>9.4 kg (20.7 lb)</p>              | <p>Hanging Mount 90° (H90)</p> <p>173.0</p> <p>482.89</p> <p>9.4 kg (20.7 lb)</p> | <p>Stanchion 25° (S25)</p> <p>25°</p> <p>415.68</p> <p>10.3 kg (22.7 lb)</p> |
| Short Top Cover (With Accessory "Guard")   |   |  |
| <p>Wall Mount 25° (W25G)</p> <p>259.0</p> <p>25°</p> <p>9.6 kg (21.1 lb)</p>                 | <p>Wall Mount 90° (W90G)</p> <p>259.0</p> <p>391.0</p> <p>9.6 kg (21.1 lb)</p>    | <p>Stanchion 25° (S25G)</p> <p>25°</p> <p>436.0</p> <p>10.5 kg (23.1 lb)</p> |
| <p>Hanging Mount 25° (H25G)</p> <p>25°</p> <p>259.0</p> <p>489.0</p> <p>9.6 kg (21.1 lb)</p> | <p>Hanging Mount 90° (H90G)</p> <p>505.0</p> <p>9.6 kg (21.1 lb)</p>              | <p>Pendant (P30G)</p> <p>9.6 kg (21.1 lb)</p>                                |

## Optional Accessory



### Applicable Area

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