



# L1512D

Luminaires  
For Use In Hazardous Locations



**CID2**  
Group  
A, B, C, D

**CIID1**  
Group  
E, F, G

**IP67**

**NEMA**  
**6**

### Protection

- Class I, Division 2  
Groups A, B, C and D
- Class II, Division 1  
Groups E, F and G
- Class III

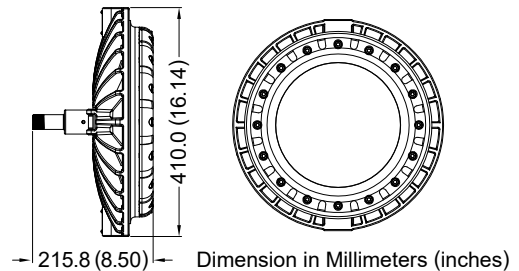
### Standards

- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No. 137-M1981
- CSA C22.2 No. 30-M1986
- CSA C22.2 No. 25-1996
- CSA C22.2 No. 250.0
- CSA C22.2 No. 250.13

Net Weight: 18.3 kg (40.3 lb)

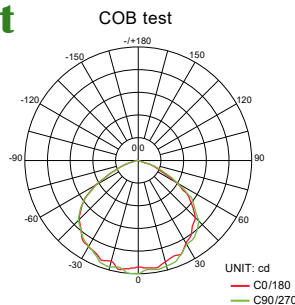
## Technical Data

Rated Voltage (±10%)	120V / 277V / 347V / 480V AC																					
Watts (±10%)	140W / 160W / 180W / 200W / 220W / 240W																					
Amps	140W 120V: 1.17A, 277V: 0.51A, 347V: 0.40A, 480V: 0.29A / 160W 120V: 1.33A, 277V: 0.58A, 347V: 0.46A, 480V: 0.33A / 180W 120V: 1.50A, 277V: 0.65A, 347V: 0.52A, 480V: 0.38A / 200W 120V: 1.67A, 277V: 0.72A, 347V: 0.58A, 480V: 0.42A / 220W 120V: 1.83A, 277V: 0.79A, 347V: 0.63A, 480V: 0.46A / 240W 120V: 2.00A, 277V: 0.87A, 347V: 0.69A, 480V: 0.50A,																					
Color of LED Light	3000K (Warm White) / 5000K (Cool White)																					
Ambient Temperature	CID2: -25°C ~ +40°C, T3 / -25°C ~ +55°C, T3 CIID1: -25°C ~ +40°C, T4A / -25°C ~ +55°C, T4																					
Power Factor	cos ≥ 0.9, cos ≥ 0.87(480V)																					
CRI	Cool White ≥ 70 / Warm White ≥ 80																					
Lumen (±10%)	<table border="1"> <thead> <tr> <th>COB</th> <th>140W</th> <th>160W</th> <th>180W</th> <th>200W</th> <th>220W</th> <th>240W</th> </tr> </thead> <tbody> <tr> <td>3000K</td> <td>11911</td> <td>13750</td> <td>15504</td> <td>17050</td> <td>18732</td> <td>20435lm</td> </tr> <tr> <td>5000K</td> <td>12339</td> <td>14003</td> <td>15811</td> <td>17505</td> <td>19300</td> <td>21006lm</td> </tr> </tbody> </table>	COB	140W	160W	180W	200W	220W	240W	3000K	11911	13750	15504	17050	18732	20435lm	5000K	12339	14003	15811	17505	19300	21006lm
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Beam Angle	X-110° / Y-110°																					
Frequency	50 / 60 Hz																					
Degree of Protection	IP67 / NEMA 6																					
Material	<ul style="list-style-type: none"> <li>• Enclosure Aluminum alloy</li> <li>• Glass Tempered glass</li> </ul>																					
LED Service Life	60,000 hrs																					
Entrance Thread	1 x NPT 3/4"																					

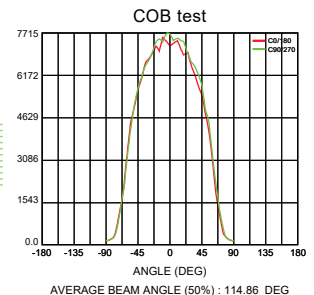


## Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



## Model Code

<b>THT</b>	<b>E</b>	<b>1512</b>	<b>A</b>	<b>N</b>	<b>B</b>	<b>W</b>	<b>C</b>	<b>U0</b>	<b>W90</b>
						①	②	③	④

① **C.C.T.**

C=Cool White  
W=Warm White

② **Voltage**

6=120V  
9=277V  
F=347V  
C=480V

③ **Wattage**

N0=140W, Q0=160W  
S0=180W, U0=200W  
W0=220W, Y0=240W

④ **Mounting Bracket Type**

W25/90=Wall Mount 25°/90°  
H20/90=Pendant Mount 20°/90°  
PA=Pole Adapter Mounting  
P90=Straight electrical tube

## Mounting Option & Dimensions (All in mm)

<p>Wall Mount 25° (W25)</p> <p>19.0 kg (41.9 lb)</p>	<p>Wall Mount 90° (W90)</p> <p>19.0 kg (41.9 lb)</p>	<p>Pole Adapter Mounting (PA)</p> <p>20.0 kg (44.0 lb)</p>
<p>Straight Electrical Tube (P90)</p> <p>18.3 kg (40.3 lb)</p>	<p>Pendant Mount 90° (H90)</p> <p>19.0 kg (41.9 lb)</p>	<p>Pendant Mount 20° (H20)</p> <p>19.0 kg (41.9 lb)</p>

### Applicable Area

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