

# L1512D

Luminaires  
For Use In Hazardous Locations



**CID1**  
Group  
B, C, D

**CID1**  
Group  
E, F, G

**IP67**

**NEMA**  
6

## Protection

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

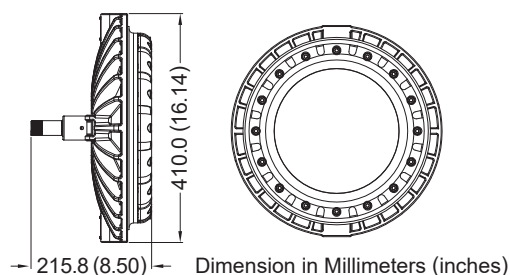
## Standards

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)

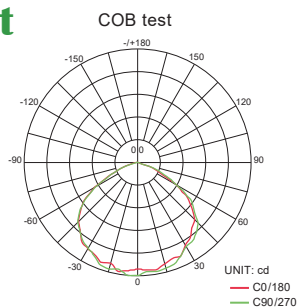
## Technical Data

Rated Voltage (±10%)	110V / 120V / 220V / 230V / 277V
Watts (±10%)	120W / 140W / 150W / 180W / 200W / 220W / 240W / 250W
Amps	0.51A~2.27A
Color of LED Light	3000K (Warm White) / 5000K (Cool White) / Green Light <small>(Green light only for SMD LED Module, 180W / 200W / 220W / 240W / 250W only)</small>
Ambient Temperature	-25°C ~ +65°C, T4 (Below 150W) / -25°C ~ +65°C, T3C (Above 180W)
Power Factor	cos ≥ 0.9
CRI	Cool White ≥ 70 / Warm White ≥ 80
Lm/W (±10%)	Cool White ≥ 120 / Warm White ≥ 100
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"

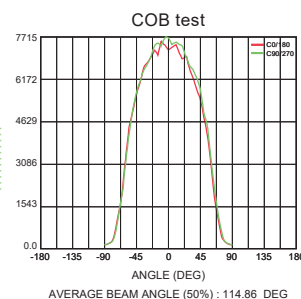


## Optical Report

Polar Luminous  
Intensity Distribution



Luminous  
Intensity Distribution Diagram

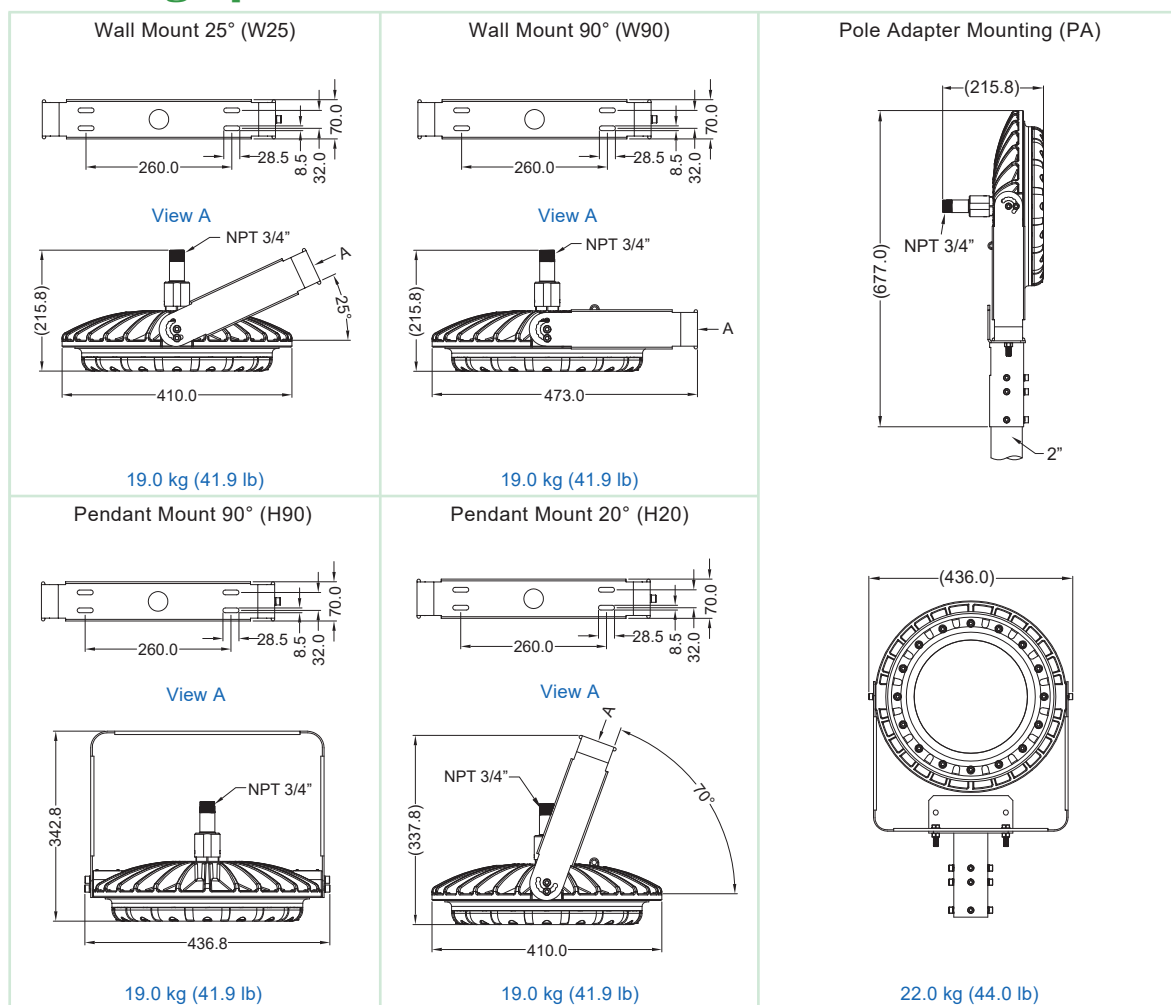


## Model Code

<b>THT</b>	<b>E</b>	<b>1512</b>	<b>A</b>	<b>N</b>	<b>K</b>	<b>C</b>	<b>D</b>	<b>Y0</b>	<b>W90</b>
					①	②	③	④	⑤

- |                                                                                                                              |                                                                                |                                                                                                             |                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>① <b>Type of LED Module</b><br/>K=SMD type</p> <p>② <b>C.C.T.</b><br/>C=Cool White<br/>W=Warm White<br/>G=Green Light</p> | <p>③ <b>Voltage</b><br/>1=110V<br/>6=120V<br/>2=220V<br/>D=230V<br/>9=277V</p> | <p>④ <b>Wattage</b><br/>L0=120W, N0=140W<br/>P0=150W, S0=180W<br/>U0=200W, W0=220W<br/>Y0=240W, 25=250W</p> | <p>⑤ <b>Mounting Bracket Type</b><br/>W25/90=Wall Mount 25°/90°<br/>H20/90=Pendant Mount 20°/90°<br/>PA=Pole Adapter Mounting<br/>P90=Straight electrical tube<br/>WHT(O)=Wall / Hanging Mount (Octagonal Box)<br/>WHT(OS)=Wall / Hanging Mount (Small Octagonal Box)</p> |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Mounting Option & Dimensions (All in mm)



### Applicable Area

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