

L1512D

Luminaires
For Use In Hazardous Locations



CID1
Group
B, C, D

CIID1
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

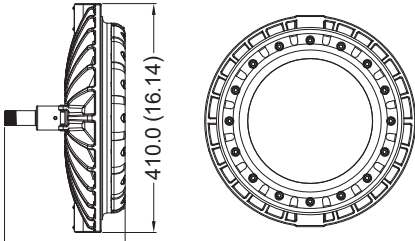
Standards

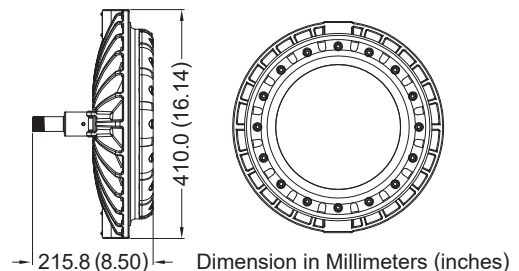
UL 844
UL 1598 Luminaires
UL 8750
CSA C22.2 No. 137-M1981
CSA C22.2 No. 30-M1986
CSA C22.2 No. 25-1996
CSA C22.2 No. 250.0
CSA C22.2 No. 250.13

Net Weight: 18.3 kg (40.3 lb)

Technical Data

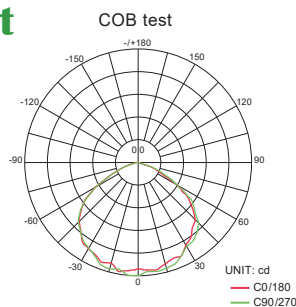
Rated Voltage (±10%)	120V / 277V / 347V / 480V																											
Watts (±10%)	80W / 100W / 140W / 160W / 180W / 200W / 220W / 240W																											
Amps	80W 120V:0.67A, 277V: 0.29A, 347V: 0.23A, 480V: 0.17A / 100W 120V: 0.83A, 277V: 0.36A, 347V: 0.29A, 480V: 0.21A / 140W 120V: 1.17A, 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	CID1: -25°C ~ +40°C, T5 / -25°C ~ +55°C, T4A CIID1: 40°C, T4A / 55°C, T4 CID1: -25°C ~ +95°C, T3A (only 120V, 277V / 80W)																											
Power Factor	cos≥0.9, cos≥0.87 (480V)																											
CRI	Cool White≥70 / Warm White≥80																											
Lumen (±10%)	<table><tr><td>COB</td><td>80W</td><td>100W</td><td>140W</td><td>160W</td><td>180W</td><td>200W</td><td>220W</td><td>240W</td></tr><tr><td>3000K</td><td>6800</td><td>8500</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>7040</td><td>8800</td><td>12339</td><td>14003</td><td>15811</td><td>17505</td><td>19300</td><td>21006lm</td></tr></table>	COB	80W	100W	140W	160W	180W	200W	220W	240W	3000K	6800	8500	11911	13750	15504	17050	18732	20435lm	5000K	7040	8800	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	<div>• Enclosure</div> <div>• Glass</div> Aluminum alloy Tempered glass																											
LED Service Life	60,000 hrs																											
Entrance Thread	1 x NPT 3/4"																											



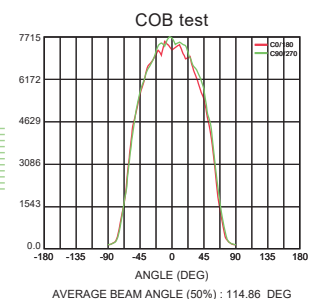


Optical Report

Polar Luminous
Intensity Distribution



Luminous
Intensity Distribution Diagram



Model Code

THT	E	1512	A	N	B	W	C	U0	W90
						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

H0=80W, J0=100W
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

Mounting Option & Dimensions (All in mm)

<p>Wall Mount 25° (W25)</p> <p>View A</p> <p>19.0 kg (41.9 lb)</p>	<p>Wall Mount 90° (W90)</p> <p>View A</p> <p>19.0 kg (41.9 lb)</p>	<p>Pole Adapter Mounting (PA)</p> <p>22.0 kg (44.0 lb)</p>
<p>Pendant Mount 90° (H90)</p> <p>View A</p> <p>19.0 kg (41.9 lb)</p>	<p>Pendant Mount 20° (H20)</p> <p>View A</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)