

# L1512D Universal Explosion-proof LED Lighting



Zone  
1

Zone  
2

Zone  
21

Zone  
22

IP67

NEMA  
6

Protection	Standards
• Ex db IIB+H2 T4 Gb	IEC 60079-0
• Ex tb IIIC T110°C...T120°C Db	IEC 60079-1
• ⓂII 2 G Ex db IIB+H2 T4 Gb	IEC 60079-31
• ⓂII 2 D Ex tb IIIC T110°C...T120°C Db	EN 60079-0
	EN 60079-1
	EN 60079-31

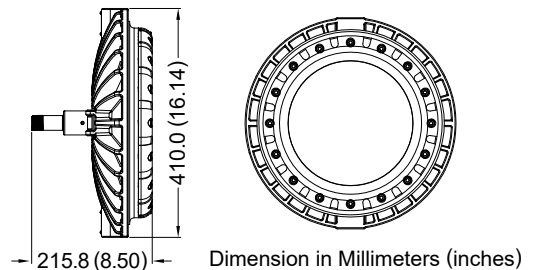
  

Light Features
• Higher wattage up to 250W
• Applicable to high temperature environment
• Different light source to choose from

Net Weight: 18.3 kg (40.3 lb)

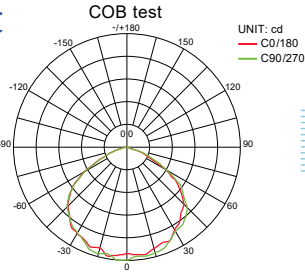
## Technical Data

Rated Voltage (±10%)	SMD: 110V / 120V / 220V / 277V / 347V / 480V AC COB: 100V / 110V / 120V / 200V / 208V / 220V / 230V / 240V / 277V / 347V / 480V AC																																																																																																																																																																								
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Color of LED Light	3000K (Warm White) / 5000K (Cool White)																																																																																																																																																																								
Ambient Temperature	-20°C ~ +40°C, T4, T110°C -20°C ~ +55°C, T4, T120°C																																																																																																																																																																								
Power Factor	cos ≥ 0.9, cos ≥ 0.87(480V)																																																																																																																																																																								
CRI	Cool White ≥ 70 / Warm White ≥ 80																																																																																																																																																																								
Lm/W (±10%)	SMD: Cool White ≥ 110 / Warm White ≥ 100 COB: Cool White ≥ 100 / Warm White ≥ 90																																																																																																																																																																								
Beam Angle	X-110° / Y-110°																																																																																																																																																																								
Frequency	50 / 60 Hz																																																																																																																																																																								
Degree of Protection	IP67 / NEMA 6																																																																																																																																																																								
Material	• Enclosure: Aluminum alloy • Glass: Tempered glass																																																																																																																																																																								
LED Service Life	60,000 hrs																																																																																																																																																																								
Entrance Thread	1 x NPT 3/4"																																																																																																																																																																								



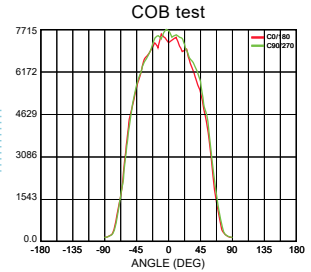
## Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram

AVERAGE BEAM ANGLE (50%) : 114.86 DEG



## Model Code

**THT E 1512 A N K W C UO W90**

**THT**: Brand, THT=Top Hi-Tech Co, Ltd.  
**E**: Category of product, E=Explosion-proof LED lighting  
**1512**: Model Name, 1512=Model L1512D series  
**A**: Category of lighting, A=LED Lighting  
**N**: Type of top cover, N=No top cover exist  
**K**: Type of LED module, K=SMD type  
**W**: C.C.T., W=Warm White  
**C**: C.C.T., C=Cool White  
**UO**: Wattage, N0=140W, Q0=160W, S0=180W, U0=200W, W0=220W, Y0=240W, 25=250W  
 Voltage, 1=110V, 2=220V, 4=100V, 5=200V, 6=120V, 7=208V, 8=240V, 9=277V, C=480V, D=230V, F=347V  
**W90**: 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>