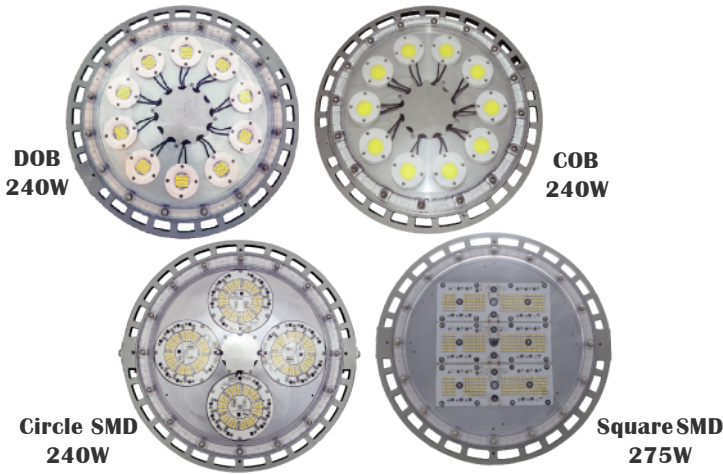


L1512

Luminaires For Use In Hazardous Locations



Protection

- Class I, Division 2
Group A, B, C, D
- Class II, Division 2
Group F, G

Standards

- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No. 137-18
- CSA C22.2 No. 250.0
- CSA C22.2 No. 250.13

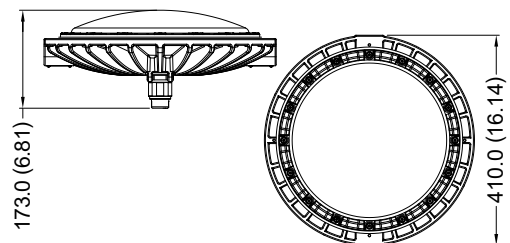
Light Features

- Higher wattage up to 275W
- Different light source to choose from

Net Weight: 12.0 kg (26.4 lb)

Technical Data

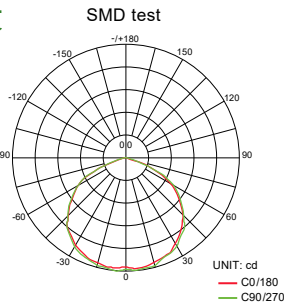
Rated Voltage ($\pm 10\%$)	DOB & SMD 120V / 277V AC , COB 120V / 208V / 277V / 347V / 480V AC										
Watts ($\pm 10\%$)	COB, DOB & Circle SMD 140W / 160W / 180W / 200W / 220W / 240W Square SMD 175W / 200W / 225W / 250W / 275W										
Amps	140W 120V: 1.17A, 208V: 0.67A, 277V: 0.51A, 347V: 0.40A, 480V: 0.29A / 160W 120V: 1.33A, 208V: 0.77A, 277V: 0.58A, 347V: 0.46A, 480V: 0.33A / 175W 120V: 1.46A, 277V: 0.63A / 180W 120V: 1.50A, 208V: 0.87A, 277V: 0.65A, 347V: 0.52A, 480V: 0.38A / 200W 120V: 1.67A, 208V: 0.96A, 277V: 0.72A, 347V: 0.58A, 480V: 0.42A / 220W 120V: 1.83A, 208V: 1.06A, 277V: 0.79A, 347V: 0.63A, 480V: 0.46A / 225W 120V: 1.88A, 277V: 0.81A / 240W 120V: 2.00A, 208V: 1.15A, 277V: 0.87A, 347V: 0.69A, 480V: 0.50A / 250W 120V: 2.08A, 277V: 0.90A / 275W 120V: 2.29A, 277V: 0.99A										
Color of LED Light	3000K (Warm White) / 5000K (Cool White) / 6500K (Cool White for Square SMD Only)										
Ambient Temperature	-20°C ~ +40°C, T3A										
Power Factor	$\cos \geq 0.9$										
CRI	Cool White ≥ 70 / Warm White ≥ 80										
Lumen ($\pm 10\%$)	COB	140W	160W	180W	200W	220W	240W				
	3000K	14042	16048	18055	20502	22103	23889				
	5000K	15192	17366	19535	22177	23187	24923				
	DOB	140W	160W	180W	200W	220W	240W				
	3000K	11372	13709	15659	17822	19443	21814				
	5000K	12779	15858	16557	19575	21669	23871				
SMD	140W	160W	175W	180W	200W	220W	225W	240W	250W	275W	
	3000K	14841	16508	17208	18830	21160	23573	24036	25801	26772	28312
	5000K	16259	18325	19112	20005	22413	24699	25369	26973	28123	31172
Beam Angle	X-110° / Y-110°										
Frequency	50 / 60 Hz										
Degree of Protection	IP67 / NEMA 6										
Material	• Enclosure • Cover		Aluminum alloy Clear or Diffuser PC Cover								
LED Service Life	60,000 hrs										
Entrance Thread	1 x NPT 3/4"										



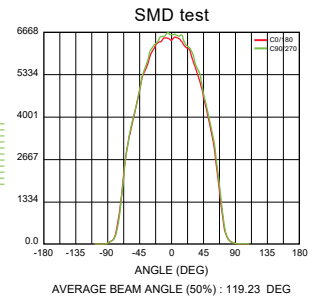
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT H 1512 A N A W 9 U O W90

- THT: Brand, THT=Top Hi-Tech Co, Ltd.
- H: Category of product, H=Hazardous location LED lighting
- 1512: Model Name, 1512=Model L1512 series
- A: Material of PC Cover, A=Clear PC Cover, B=Diffuser
- N: Type of top cover, N=No top cover exist
- A: Type of LED module, A=DOB, B=COB, K=Circle SMD, H=Square SMD
- W: C.C.T., C=Cool White, W=Warm White
- 9: Voltage, 6=120V, 9=277V, K=208V, F=347V, C=480V
- U: Wattage, N0=140W, Q0=160W, R5=175W, S0=180W, U0=200W, W0=220W, W5=225W, Y0=240W, 25=250W, 27=275W
- O: Mounting bracket type W25/90=Wall Mount 25°/90° H90=Hanging Mount 90° S25=Bending electrical tube 25° P90=Straight electrical tube
- W90: Wall Mount 25°/90°

Mounting Option & Dimensions (All in mm)

<p>Wall Mount 25° (W25)</p> <p>13.0 kg (28.7 lb)</p>	<p>Wall Mount 90° (W90)</p> <p>13.0 kg (28.7 lb)</p>	
<p>Hanging Mount 90° (H90)</p> <p>13.0 kg (28.7 lb)</p>	<p>Bending electrical tube 25° (S25)</p> <p>13.5 kg (29.8 lb)</p>	<p>Straight electrical tube (P90)</p> <p>12.5 kg (27.6 lb)</p>