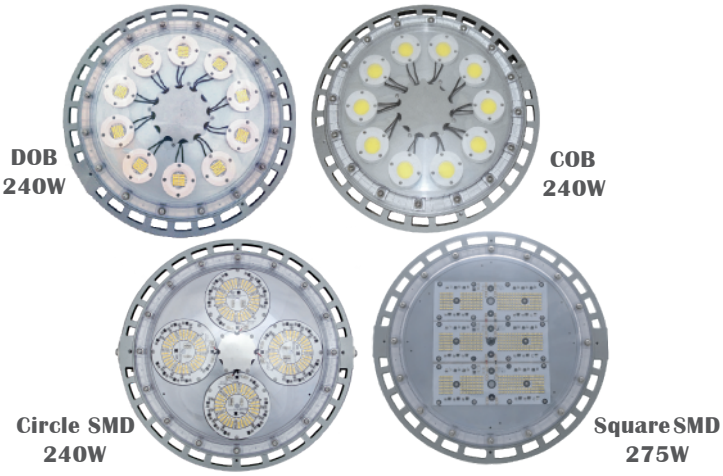
L1512 Luminaires For Use In Hazardous Locations



Net Weight: 12.0 kg (26.4 lb)

CID2 Group A, B, C, D | CID2 Group F, G | IP68 | NEMA 6P

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
- Applicable to high temperature environment
- Different light source to choose from

Technical Data

Rated Voltage (±10%)	DOB & SMD 120V / 277V AC , COB 120V / 208V / 277V / 347V / 480V AC
Watts (±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 ≧ 0.9
CRI	Cool White ≧ 70 / Warm White ≧ 80

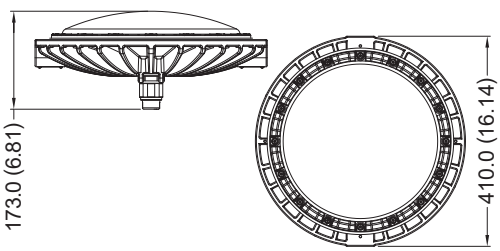
Lumen (±10%)

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	IP68 / NEMA 6P
Material • Enclosure • Cover	Aluminum alloy Clear or Diffuser PC Cover
LED Service Life	60,000 hrs
Entrance Thread	1 × NPT 3/4”

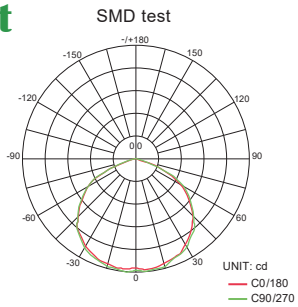


Dimension in Millimeters (inches)

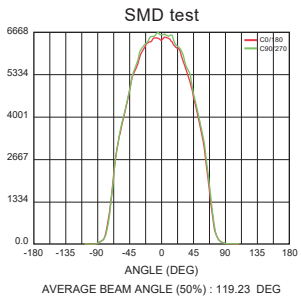
THT-EX reserves the right to make changes at any time in order to supply the best product possible.

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



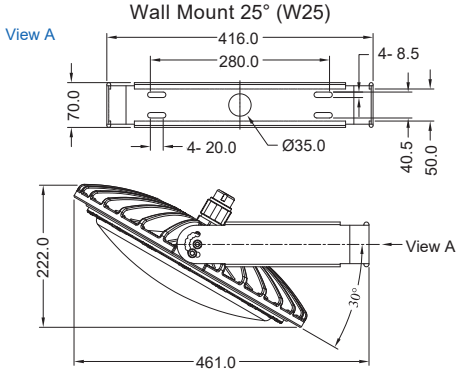
Model Code

THT	H	1512	A	N	A	W	9	U0	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
- U0 — Wattage, N0=140W, Q0=160W, R5=175W, S0=180W, U0=200W, W0=220W, W5=225W, Y0=240W, 25=250W, 27=275W
- W90 — Mounting bracket type
  W25/90=Wall Mount 25°/90°
  H90=Hanging Mount 90°
  S25=Bending electrical tube 25°
  P90=Straight electrical tube

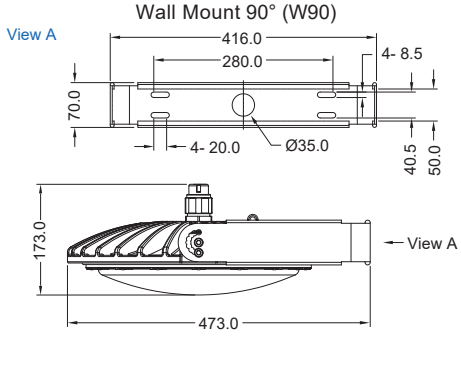
Mounting Option & Dimensions (All in mm)

Wall Mount 25° (W25)



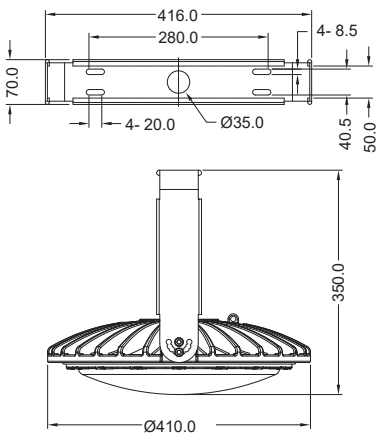
13.0 kg (28.7 lb)

Wall Mount 90° (W90)



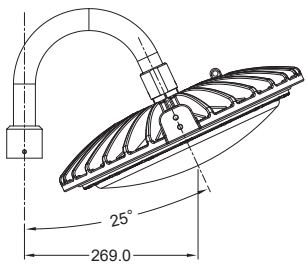
13.0 kg (28.7 lb)

Hanging Mount 90° (H90)



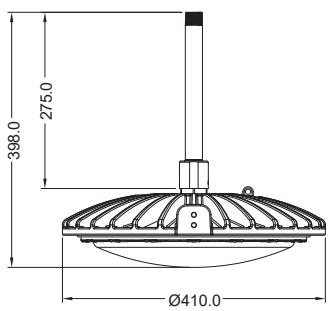
13.0 kg (28.7 lb)

Bending electrical tube 25° (S25)



13.5 kg (29.8 lb)

Straight electrical tube (P90)



12.5 kg (27.6 lb)