

L1908 Luminares

For Use In Hazardous Locations



L1908 J Type
(With Outlet Box)

L1908 N Type
(Without Top Cover)

Net Weight: S-1.0 kg (2.2 lb) / M-1.4 kg (3.1 lb) / L-2.2 kg (4.9 lb)



Protection

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

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

- Product comes with outlet box for easier installation
- Compact size and lightweight mounting bracket design

Technical Data

Rated Voltage (±10%)	120V / 220V / 277V / 347V / 480V AC				
Watts (±10%)	10W / 20W / 40W / 60W (*60W for 120V / 220V / 277V only)				
Amps	10W 120V: 0.08A, 220V: 0.05A, 277V: 0.04A, 347V: 0.03A, 480V: 0.02A 20W 120V: 0.17A, 220V: 0.09A, 277V: 0.07A, 347V: 0.06A, 480V: 0.04A 40W 120V: 0.33A, 220V: 0.18A, 277V: 0.14A, 347V: 0.12A, 480V: 0.08A 60W 120V: 0.50A, 220V: 0.27A, 277V: 0.22A				
Color of LED Light	3000K (Warm White) / 5000K (Cool White)				
Ambient Temperature	CID2: -40°C ~ +50°C, T4 / -40°C ~ +60°C, T3C : CIID2: +50°C, T6 / +60°C, T5				
Power Factor	cos ≥ 0.9				
CRI	Cool White ≥ 70 / Warm White ≥ 80				
Lumen (±10%)	SMD	10W	20W	40W	60W
	3000K	900lm	1800lm	3600lm	5400lm
5000K	1000lm	2000lm	4000lm	6000lm	
Beam Angle	X-113° / Y-145°				
Frequency	50 / 60 Hz				
Degree of Protection	IP67 / NEMA 6				
Material	• Enclosure • Lighting Tube	Aluminum alloy PC			
LED Service Life	60,000 hrs				
Entrance Thread	1×M25 or 1×NPT 3/4"				

Standard Product Length

• N Type:

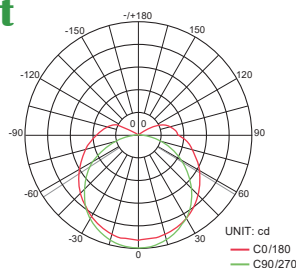
- Short size (10W) : 409 mm
- Middle size (20W) : 661 mm
- Long size (40W,60W) : 1161 mm

• J Type:

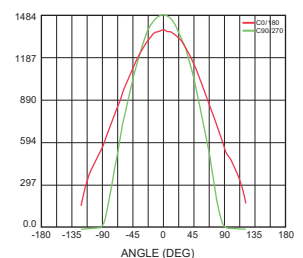
- Short size (10W) : 397 mm
- Middle size (20W) : 647 mm
- Long size (40W,60W) : 1147 mm

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT	H	1908	F	J	H	C	9	F0	WHT1
Brand, THT=Top Hi-Tech Co, Ltd.	Protection type of luminaire, H=HazLoc LED Lighting	Model Name, 1908=Model L1908 series	Length of luminaire, D=Short Size (10W, 1ft) E=Middle Size (20W, 2ft)	Type of other structure, N=Without Top Cover, J=Outlet Box	Type of LED model, H=SMD LED Module	C.C.T., C=Cool White, W=Warm White	Voltage, 6=120V, 2=220V, 9=277V, F=347V, C=480V	Wattage, A0=10W, B0=20W, D0=40W, F0=60W	Mounting bracket type WHT1 = Wall/Hanging Mount 1 WHT2 = Wall/Hanging Mount 2 WHT(H90R) = Hanging Mount 90° WHT(W90R) = Wall Mount 90° SL = Street Light

Mounting Option & Dimensions (All in mm)

<p>Wall/Hanging Mount 1 (WHT1)</p> <p>Length of A(mm) S : 313.75 M : 563.75 L : 1063.75</p> <p>S-1.16 kg (2.5 lb) M-1.56 kg (3.4 lb) L-2.36 kg (5.2 lb)</p>	<p>Wall/Hanging Mount 2 (WHT2)</p> <p>Length of A(mm) S : 313.75 M : 563.75 L : 1063.75</p> <p>S-1.1 kg (2.4 lb) M-1.5 kg (3.3 lb) L-2.3 kg (5.1 lb)</p>
<p>Narrow Reflector Hanging Mount 90° [WHT(H90R)] for N (without top cover) only</p> <p>Length of A(mm) S : 406 M : 656 L : 1156</p> <p>S: 2.8 kg (6.1 lb) M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)</p>	<p>Narrow Reflector Wall Mount 90° [WHT(W90R)] for N (without top cover) only</p> <p>Length of A(mm) S : 406 M : 656 L : 1156</p> <p>S: 2.8 kg (6.1 lb) M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)</p>
<p>Street Light (SL) for N (without top cover) only</p> <p>Narrow Reflector S: 3.4 kg (7.4 lb) M: 3.9 kg (8.5 lb) L: 4.9 kg (10.8 lb)</p>	

Applicable Area

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