

L1319C

Hazardous Location LED Lighting

2ft.



4ft.

Net Weight: 2ft-5.3 kg (11.7 lb)
4ft-13.3 kg (29.3 lb)

Zone 2
Zone 21
Zone 22
IP68
NEMA 6P

Protection

- Ex nR IIC T5 Gc
- Ex tb IIIC T95°C Db
- Ⓜ II 3 G Ex nR IIC T5 Gc
- Ⓜ II 2 D Ex tb IIIC T95°C Db

Standards

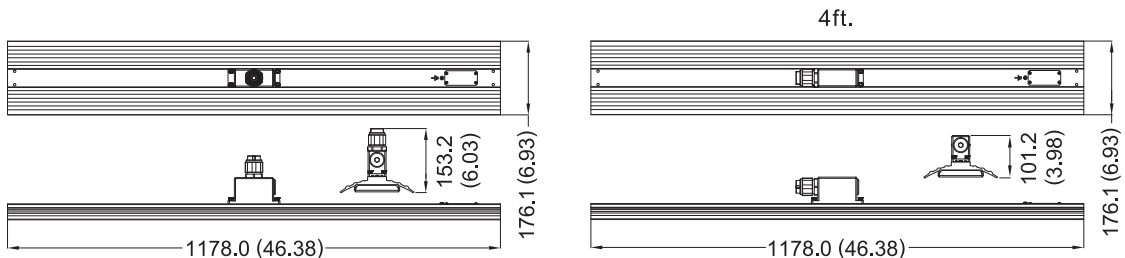
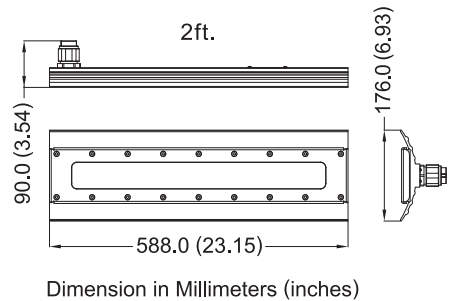
- IEC 60079-0
- IEC 60079-15
- IEC 60079-31
- EN 60079-0
- EN 60079-15

Light Features

- Light weight; stream line design
- Applicable to high temperature environment
- Product comes with reflector and concentrate light source

Technical Data

Rated Voltage (±10%)	110V / 220V / 277V AC						
Watts (±10%)	2ft: 40W / 60W, 4ft: 40W / 80W / 120W						
Amps	40W 110V: 0.36A, 220V: 0.18A, 277V: 0.14A / 60W 110V: 0.55A, 220V: 0.27A, 277V: 0.22A / 80W 110V: 0.73A, 220V: 0.37A, 277V: 0.29A / 120W 110V: 1.09A, 220V: 0.55A, 277V: 0.43A						
Color of LED Light	3000K (Warm White) / 5000K (Cool White)						
Ambient Temperature	-20°C ~ +55°C, T5						
Power Factor	cos ≥ 0.9						
CRI	Cool White ≥ 70 / Warm White ≥ 80						
Lumen (±10%)	2ft. SMD	40W	60W	4ft. SMD	40W	80W	120W
	3000K	4315lm	6240lm	3000K	4315lm	8614lm	12960lm
	5000K	4833lm	6688lm	5000K	4833lm	9414lm	14180lm
Beam Angle	x-116° / Y-114°						
Frequency	50 / 60 Hz						
Degree of Protection	IP68 / NEMA 6P						
Material	• Enclosure • Glass	Aluminum alloy Tempered glass					
LED Service Life	60,000 hrs						
Entrance Thread	2ft.: 1 × M25						
	4ft.: 3 × M25						



Model Code

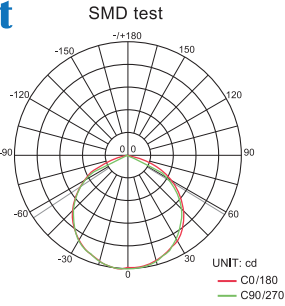
THT	H	1319	D	C	H	C	9	D0	S90
Brand, THT=Top Hi-Tech Co, Ltd.									
Protection type of luminaire, H=Luminaires for hazardous locations									
Model Name, 1319=Model L1319C series									
The manufacturer internal use, C=For Luminaire length 2ft. D=For Luminaire length 4ft.									
Type of LED model, H=SMD LED Module									
Type of top cover, C=With top cover (4ft.), N=Without top cover (2ft.)									
C.C.T., C=Cool White, W=Warm White									
Voltage, 1=110V, 2=220V, 9=277V									
Wattage, D0=40W, F0=60W, H0=80W, L0=120W									
Mounting bracket type W25/90=Wall Mount 25°/90° H25/90=Hanging Mount 25°/90° WHT=Wall/Hanging Mount S25/90=Stanchion 25°/90° SL=Street Light									

2ft. Mounting Option & Dimensions (All in mm)

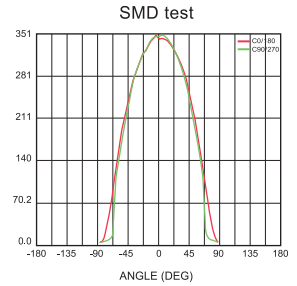
<p>Hanging Mount 25°(H25)</p> <p>5.8 kg (12.8 lb)</p>	<p>Hanging Mount 90°(H90)</p> <p>5.8 kg (12.8 lb)</p>
<p>Wall Mount 25° (W25)</p> <p>5.8 kg (12.8 lb)</p>	<p>Wall Mount 90° (W90)</p> <p>5.8 kg (12.8 lb)</p>
<p>Street Light (SL)</p> <p>7.0 kg (15.4 lb)</p>	

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



4ft. Mounting Option & Dimensions (All in mm)

Mounting Option	Dimensions (mm)	Weight (kg/lb)
Wall/Hanging Mount (WHT)	Top view: 1248.0 x 176.1 Side view: 1248.0 x 176.1 Mounting detail: 176.1	14 kg (30.8 lb)
Stanchion 25° (S25)	Top view: 1178.0 x 351.9 Side view: 1178.0 x 351.9 Mounting detail: 351.9	14.5 kg (31.9 lb)
Stanchion 90° (S90)	Top view: 1178.0 x 315.5 Side view: 1178.0 x 315.5 Mounting detail: 315.5	14.6 kg (32.1 lb)
Street Light (SL)	Top view: 1422.4 x 176.1 Side view: 1422.4 x 176.1 Mounting detail: 176.9	17.0 kg (37.4 lb)

Applicable Area

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