

L1203

Universal Explosion-proof LED Lighting



20W



Net Weight: 1.8 kg (4.0 lb)

Zone
1

Zone
2

Zone
21

Zone
22

IP67

NEMA
6

Protection

- Ex d IIB + H₂ T5...T4 Gb
- Ex tb IIIC T105°C Db
- Ⓜ II 2 G Ex d IIB + H₂ T5...T4 Gb
- Ⓜ II 2 D Ex tb IIIC T105°C Db

Standards

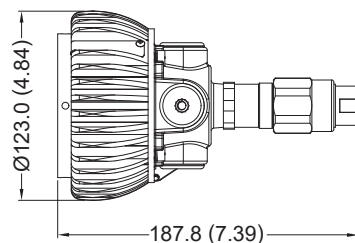
IEC 60079-0
IEC 60079-1
IEC 60079-31
EN 60079-0
EN 60079-1
EN 60079-31

Light Features

- Low profile design
- Light weight and portable
- Salt spray 1000 hrs passed

Technical Data

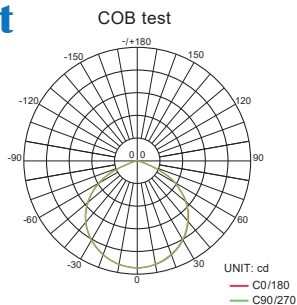
Rated Voltage (±10%)	24V / 110V / 220V AC	
Watts (±10%)	20W (Watts of 24V are different, please contact us for details.)	
Amps	20W 24V: 0.83A, 110V: 0.18A, 220V: 0.09A	
Color of LED Light	3000K (Warm White) / 5000K (Cool White)	
Ambient Temperature	-20°C ~ +40°C, (W.W.: T5, C.W.: T4)	
Power Factor	cos ≥ 0.9	
CRI	Cool White ≥ 70 / Warm White ≥ 80	
Lumen (±10%)	COB	20W
	3000K	1800lm
	5000K	2000lm
Beam Angle	X-110° / Y-110°	
Frequency	50 / 60 Hz	
Degree of Protection	IP67 / NEMA 6	
Material	<ul style="list-style-type: none"> • Enclosure: Aluminum alloy • Glass: Tempered glass 	
LED Service Life	60,000 hrs	
Entrance Thread	5 × G 1/2"	



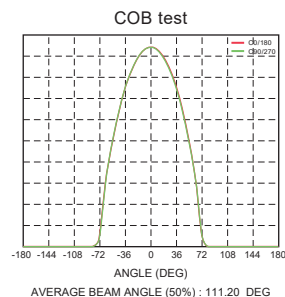
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



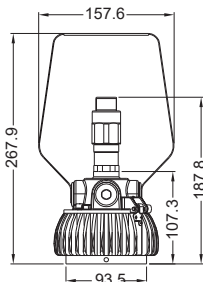
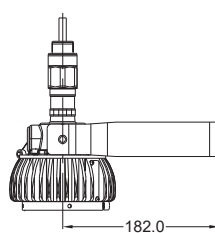
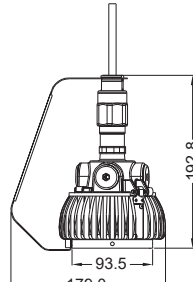
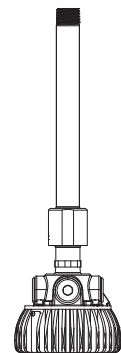
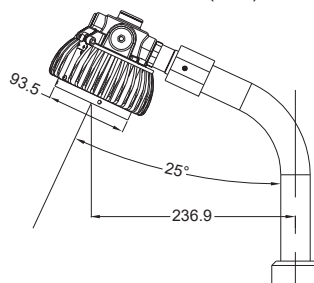
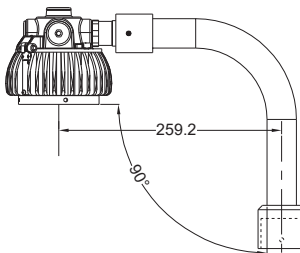
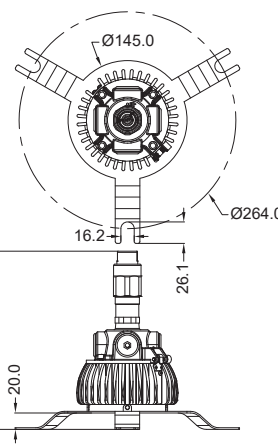
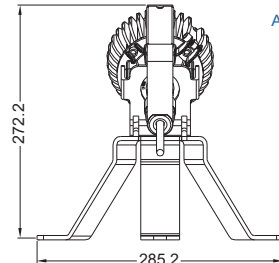
Luminous Intensity Distribution Diagram



Model Code

THT	2L	A	20W	d	5	2	C	1203	W90
Brand, THT=Top Hi-Tech Co, Ltd.	Category of product, 2L=LED lightings use COB LED module	Current of LED module, A=AC	Wattage, 20W=20W	Protection type of product, d=d type	Temperature class of product, 4=T4, 5=T5	Voltage, 1=110V, 2=220V, 3=24V	C.C.T., C=Cool White, W=Warm White	Model Name, 1203=Model L1203	Mounting bracket type W90=Wall Mount 90° H90=Hanging Mount 90° S25/90=Stanchion 25°/90° P90=Pendant M=Mobility TA=Tripod O=Oil Tank

Mounting Option & Dimensions (All in mm)

<p>Hanging Mount 90° (H90)</p>  <p>2.0 kg (4.4 lb)</p>	<p>Wall Mount 90° (W90)</p>  <p>2.0 kg (4.4 lb)</p>	<p>Mobility type (M)</p>  <p>2.0 kg (4.4 lb)</p>	<p>Pendant (P90)</p>  <p>2.2 kg (4.8 lb)</p>
<p>Stanchion 25° (S25)</p>  <p>2.8 kg (6.2 lb)</p>	<p>Stanchion 90° (S90)</p>  <p>2.8 kg (6.2 lb)</p>	<p>Oil Tank (O)</p>  <p>2.2 kg (4.8 lb)</p>	
<p>Tripod (TA) Angle adjustable</p>  <p>3.5 kg (7.7 lb)</p>			

Applicable Area

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