

L1105

Universal Explosion-proof LED Lighting



60W
(COB)



60W
(SMD)



Net Weight: 5.0 kg (11.0 lb)

Zone
1

Zone
2

Zone
21

Zone
22

IP67

NEMA
6

Protection

- Ex d IIB + H₂ T6...T4 Gb
- Ex tb IIIC T108°C Db
- Ⓜ II 2 G Ex d IIB + H₂ T6...T4 Gb
- Ⓜ II 2 D Ex tb IIIC T108°C Db

Standards

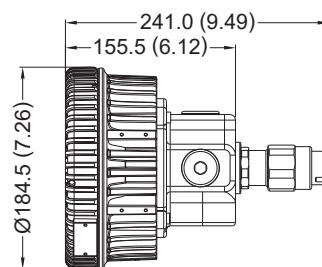
IEC 60079-0
IEC 60079-1
IEC 60079-31
EN 60079-0
EN 60079-1
EN 60079-31

Light Features

- Service life up to 60,000 hours
- Salt spray 1000 hrs passed
- Tank veiwier mounting available

Technical Data

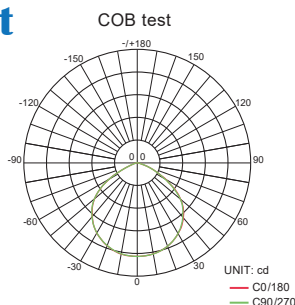
Rated Voltage (±10%)	COB: 110V / 220V AC, SMD: 110V / 220V AC					
Watts (±10%)	COB: 40W / 60W, SMD: 40W / 60W					
Amps	COB: 40W 110V: 0.36A, 220V: 0.18A / 60W 110V: 0.55A, 220V: 0.27A SMD: 40W 110V: 0.36A, 220V: 0.18A / 60W 110V: 0.55A, 220V: 0.27A					
Color of LED Light	3000K (Warm White) / 5000K (Cool White)					
Ambient Temperature	-20°C ~ +40°C, (COB-W.W.: T5, COB-C.W.: T4, SMD: T6)					
Power Factor	cos ≥ 0.9					
CRI	Cool White ≥ 70 / Warm White ≥ 80					
Lumen (±10%)	COB	40W	60W	SMD	40W	60W
	3000K	3800lm	5700lm	3000K	3800lm	5700lm
	5000K	4000lm	6000lm	5000K	4000lm	6000lm
Beam Angle	X-110° / Y-110°					
Frequency	50 / 60 Hz					
Degree of Protection	IP67 / NEMA 6					
Material	<ul style="list-style-type: none"> • Enclosure • Glass 					
LED Service Life	60,000 hrs					
Entrance Thread	4 × G 3/4"					



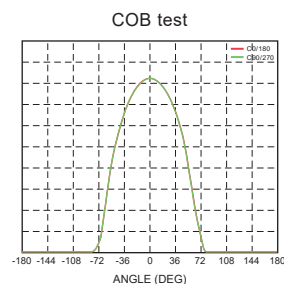
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



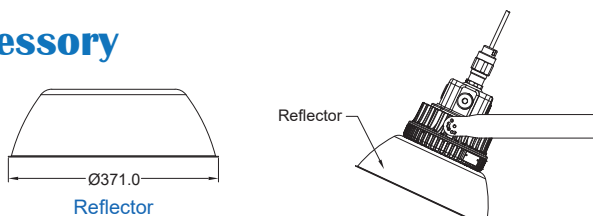
Model Code

THT	2L	A	60W	d	5	2	C	1105	A	C90
Brand, THT=TOP HI-TECH CO., LTD.	Category of product, 2L=LED lightings use COB LED module, 2K=SMD LED	Current of LED module, A=AC	Wattage, 40W=40W, 60W=60W	Protection type of product, d=d type	Temperature class of product, COB: 4=T4, 5=T5, SMD: 6=T6	Voltage, 1=110V, 2=220V	C.C.T., C=Cool White, W=Warm White	Model Name, 1105=Model L1105	Type of top cover, A=Tall top cover	Mounting bracket type W25/90=Wall Mount 25°/90° H25/90=Hanging Mount 25°/90° S25/90=Stanchion 25°/90° C90=Ceiling mounting 90° P90=Pendant O=Oil Tank

Mounting Option & Dimensions (All in mm)

<p>Stanchion 25° (S25)</p> <p>25° 295.0</p> <p>6.0 kg (13.2 lb)</p>	<p>Stanchion 90° (S90)</p> <p>200.0 90°</p> <p>6.1 kg (13.4 lb)</p>	<p>Hanging Mount 25° (H25)</p> <p>318.2 25°</p> <p>5.5 kg (12.1 lb)</p>	<p>Hanging Mount 90° (H90)</p> <p>175.0 241.0 324.5</p> <p>5.5 kg (12.1 lb)</p>	<p>Pendant (P90)</p> <p>275.0 372.0 455.5</p> <p>6.0 kg (13.2 lb)</p>
<p>Wall Mount 25° (W25)</p> <p>289.0 25°</p> <p>5.5 kg (12.1 lb)</p>	<p>Wall Mount 90° (W90)</p> <p>259.0 90°</p> <p>5.5 kg (12.1 lb)</p>	<p>Oil Tank (O)</p> <p>Ø290.0 3-Ø11.3 Ø185.0 4-Ø5.3 30.0</p> <p>5.5 kg (12.1 lb)</p>	<p>Ceiling 90° (C90)</p> <p>470.0 370.0 50.0 15.0 20.0 240.9 155.5 343.5</p> <p>5.8 kg (12.8 lb)</p>	

Optional Accessory



Applicable Area

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