

L1102

Universal Explosion-proof LED Lighting

NOM This product is in compliance with NOM regulations.



Net Weight: 5.5 kg (12.1 lb)

Zone 1

Zone 2

Zone 21

Zone 22

IP67

NEMA 6

Protection

- Ex db IIC T5 Gb
- Ex tb IIIC T95°C Db
- Ⓜ II 2 G Ex db IIC T5 Gb
- Ⓜ II 2 D Ex tb IIIC T95°C Db

Standards

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

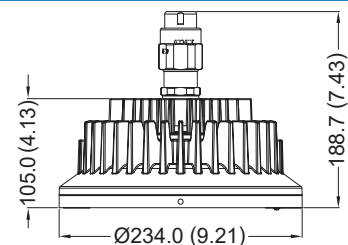
Light Features

- High efficacy
- Applicable to high temperature environment
- Salt spray 1000 hrs passed
- Retrofit to conventional explosion-proof light

Technical Data

Rated Voltage (±10%)	COB: 24V / 110V / 220V AC, SMD: 110V / 220V AC							
Watts (±10%)	COB: 60W / 80W / 100W, SMD: 65W / 75W / 95W (Watts of 24V are different, please contact us for details.)							
Amps	60W 24V: 2.50A, 110V: 0.55A, 220V: 0.27A / 80W 24V: 3.33A, 110V: 0.73A, 220V: 0.36A / 100W 24V: 4.17A, 110V: 0.91A, 220V: 0.45A / 65W 110V: 0.59A, 220V: 0.30A / 75W 110V: 0.68A, 220V: 0.34A / 95W 110V: 0.86A, 220V: 0.43A							
Color of LED Light	3000K (Warm White) / 5000K (Cool White)							
Ambient Temperature	-20°C ~ +40°C, T5							
Power Factor	cos≥0.9							
CRI	Cool White≥70 / Warm White≥80							
Lumen (±10%)	COB	60W	80W	100W	SMD	65W	75W	95W
	3000K	5700lm	7600lm	9000lm	3000K	6175lm	7215lm	8550lm
	5000K	6000lm	8000lm	10000lm	5000K	6500lm	7500lm	9500lm
Beam Angle	X-110° / Y-110°							
Frequency	50 / 60 Hz							
Degree of Protection	IP67/ NEMA 6							
Material	• Enclosure • Glass	Aluminum alloy Tempered glass						
LED Service Life	60,000 hrs							
Entrance Thread	1 × NPT 3/4"							

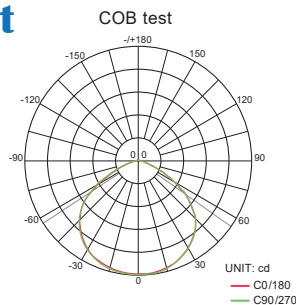
Technical drawing of the LED light fixture showing dimensions: 105.0 (4.13) for the mounting bracket height, 188.7 (7.43) for the total height, and Ø234.0 (9.21) for the base diameter.



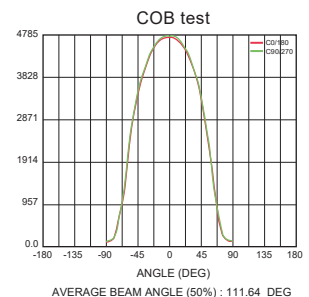
Dimension in Millimeters (inches)

Optical Report

Polar Luminous
Intensity Distribution



Luminous
Intensity Distribution Diagram



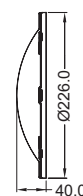
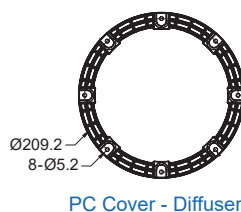
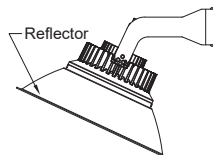
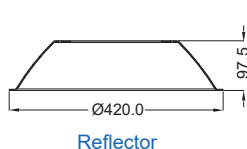
Model Code

THT	2L	A	100	d	5	2	C	1102	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, COB: 60W=60W, 80W=80W, 100=100W SMD: 65W=65W, 75W=75W, 95W=95W		Protection type of product, d=d type	
				Temperature class of product, 5=T5		Voltage, 1=110V, 2=220V, 3=24V		C.C.T., C=Cool White, W=Warm White	
								Model Name, 1102=Model L1102	
								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 RO=Rotatable TA=Tripod Adjustable LA=Long Adjustable	

Mounting Option & Dimensions (All in mm)

Wall Mount 25° (W25) 6.6 kg (14.5 lb)	Hanging Mount 25° (H25) 6.6 kg (14.5 lb)	Stanchion 25° (S25) 6.4 kg (14.1 lb)	Pendant (P90) 6.0 kg (13.2 lb)
Wall Mount 90° (W90) 6.6 kg (14.5 lb)	Hanging Mount 90° (H90) 6.6 kg (14.5 lb)	Stanchion 90° (S90) 6.4 kg (14.1 lb)	Long Adjustable (LA) Height and angle adjustable 17.6 kg (38.8 lb) Optional wheel accessory could be added if specified
Tripod Adjustable (TA) 7.6 kg (16.8 lb)	Rotatable (RO) 7.4 kg (16.3 lb)	Ceiling 90° (C90) 7.1 kg (15.6 lb)	

Optional Accessory



Applicable Area

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