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 | IP68 | NEMA 6P

Protection
- Ex d IIC T5 Gb
- Ex tb IIIC T100˚C Db

Standards
CNS 3376-0
CNS 3376-1
IEC60079-31

Light Features
- High efficacy
- Applicable to high temperature environment
- Retrofit to conventional explosion-proof light

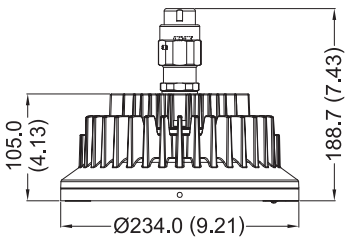
Technical Data

Rated Voltage (±10%)	COB: 24V / 110V / 220V / 277V / 480V AC, DOB: 110V / 220V / 277V AC, SMD: 110V / 220V / 277V AC
Watts (±10%)	COB: 60W / 80W / 100W, DOB: 60W / 80W / 90W / 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, 277V: 0.22A, 480V: 0.13A / 80W 24V: 3.33V, 110V: 0.73A, 220V: 0.36A, 277V: 0.29A, 480V: 0.17A / 100W 24V: 4.17V, 110V: 0.91A, 220V: 0.45A, 277V: 0.36A, 480V: 0.21A / 65W 110V: 0.59A, 220V: 0.30A, 277V: 0.23A / 75W 110V: 0.68A, 220V: 0.34A, 277V: 0.27A / 90W 110V: 0.82A, 220V: 0.41A, 277V: 0.32A / 95W 110V: 0.86A, 220V: 0.43A, 277V: 0.34A
Color of LED Light	3000K (Warm White) / 5000K (Cool White)
Ambient Temperature	-20°C ~ +40°C, T5
Power Factor	cos≧0.9, cos≧0.87 (480V)
CRI	Cool White≧70 / Warm White≧80

Lumen (±10%)

COB	60W	80W	100W	DOB	60W	80W	90W	100W	SMD	65W	75W	95W
3000K	5700	7600	9000lm	3000K	5315	7143	6765	8770lm	3000K	6175	7215	8550lm
5000K	6000	8000	10000lm	5000K	5882	7819	7464	9737lm	5000K	6500	7500	9500lm

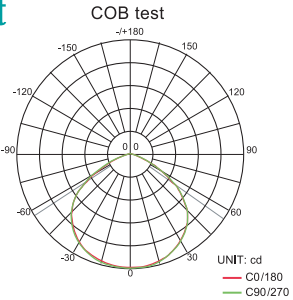
Beam Angle	X-110° / Y-110°
Frequency	50 / 60 Hz
Degree of Protection	IP68 / NEMA 6P
Material • Enclosure	Aluminum alloy
Material • Glass	Tempered glass
LED Service Life	60,000 hrs
Entrance Thread	1 x NPT 3/4”



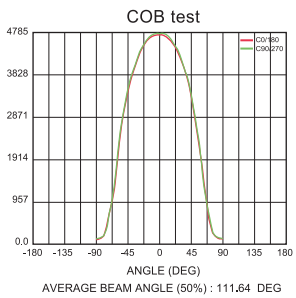
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



THT-EX reserves the right to make changes at any time in order to supply the best product possible.

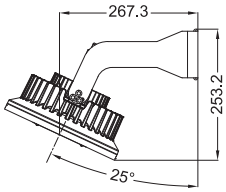
Model Code

THT	2L	A	100	d	5	2	C	1102	C90

- THT — Brand, THT=TOP HI-TECH CO., LTD.
- 2L — Category of product, 2L=LED lightings use DCOB LED module, 2K=SMD LED, 2D=DOB LED
- A — Current of LED module, A=AC
- 100 — Wattage, 60W=60W, 65W=65W, 75W=75W, 80W=80W, 90W=90W, 95W=95W, 100=100W
- d — Protection type of product, d=d type
- 5 — Temperature class of product, 5=T5)
- 2 — Voltage, 1=110V, 2=220V, 3=24V, 9=277V, C=480V
- C — C.C.T., C=Cool White, W=Warm White
- 1102 — Model Name, 1102=Model L1102
- C90 — Mounting bracket type
  - C90=Ceiling
  - W25/90=Wall mount 25°/90°
  - H25/90=Hanging Mount 25°/90°
  - S25/90=Stanchion 25°/90°
  - P90=Pendant
  - RO=Rotatable
  - TA=Tripod Adjustable
  - LA=Long Adjustable

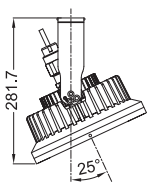
Mounting Option & Dimensions (All in mm)

Wall Mount 25° (W25)



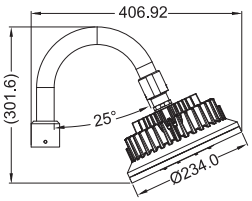
6.6 kg (14.5 lb)

Hanging Mount 25° (H25)



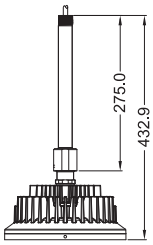
6.6 kg (14.5 lb)

Stanchion 25° (S25)



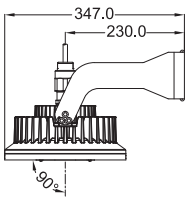
6.4 kg (14.1 lb)

Pendant (P90)



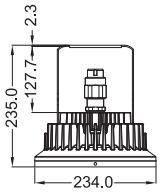
6.0 kg (13.2 lb)

Wall Mount 90° (W90)



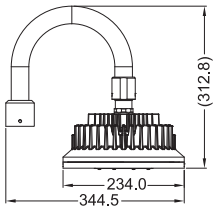
6.6 kg (14.5 lb)

Hanging Mount 90° (H90)



6.6 kg (14.5 lb)

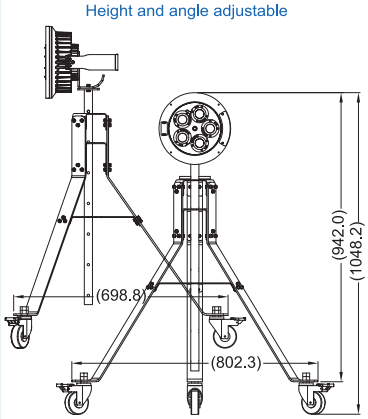
Stanchion 90° (S90)



6.4 kg (14.1 lb)

Long Adjustable (LA)

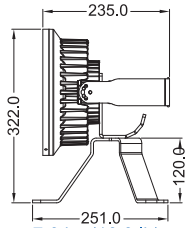
Height and angle adjustable



Optional wheel accessory could be added if specified

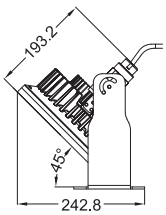
17.6 kg (38.8 lb)

Tripod Adjustable (TA)



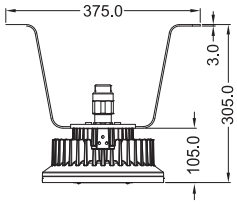
7.6 kg (16.8 lb)

Rotatable (RO)



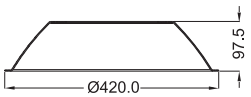
7.4 kg (16.3 lb)

Ceiling 90° (C90)

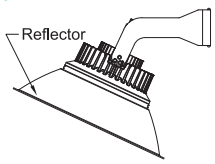


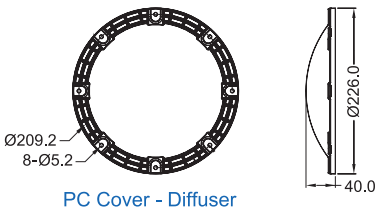
7.1 kg (15.6 lb)

Optional Accessory



Reflector





PC Cover - Diffuser

Applicable Area

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