L1703 Hazardous Location LED Lighting

Net Weight: 5.5kg (12.1LB)

Zone 2 | Zone 21 | Zone 22 | IP68 | NEMA 6P

Protection
- Ex nR IIC T4 Gc X
- Ex tb IIIC T120°C Db X

Standards
CNS 3376-0
CNS 3376-15
IEC 60079-0
IEC 60079-15
IEC 60079-31

Light Features
- Applicable to high temperature environment
- Salt Spray 1000 hrs passed
- Offers DOB and SMD light source option

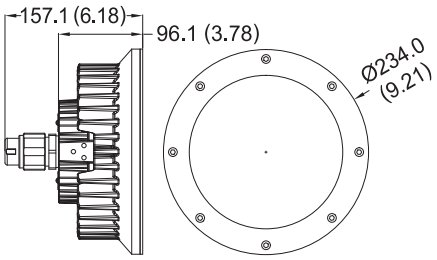
Technical Data

Rated Voltage (±10%)	110V / 220V / 277V AC
Watts (±10%)	DOB: 60W / 80W / 90W / 100W, SMD: 65W / 75W / 95W
Amps	60W 110V: 0.55A, 220V: 0.27A, 277V: 0.22A / 80W 110V: 0.73A, 220V: 0.36A, 277V: 0.29A / 90W 110V: 0.82A, 220V: 0.41A, 277V: 0.32A / 100W 110V: 0.91A, 220V: 0.45A, 277V: 0.36A 65W 110V: 0.59A, 220V: 0.30A, 277V: 0.23A / 75W 110V: 0.68A, 220V: 0.34A, 277V: 0.27A / 95W 110V: 0.86A, 220V: 0.43A, 277V: 0.34A
Color of LED Light	3000K (Warm White) / 5000K (Cool White)
Ambient Temperature	-40°C ~ +55°C, T4
Power Factor	cos≧0.9
CRI	Cool White≧70 / Warm White≧80

Lumen (±10%)

DOB	60W	80W	90W	100W	SMD	65W	75W	95W
3000K	5700lm	7600lm	8550lm	9500lm	3000K	6175lm	7125lm	9025lm
5000K	6000lm	8000lm	9000lm	10000lm	5000K	6500lm	7500lm	9500lm

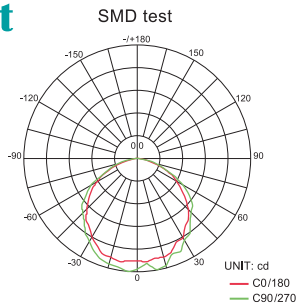
Beam Angle	X-110° / Y-110°
Frequency	50 / 60 Hz
Degree of Protection	IP68 / NEMA 6P
Material • Enclosure	Aluminum alloy
Material • Glass	Tempered glass
LED Service Life	60,000 hrs
Entrance Thread	1 x M25



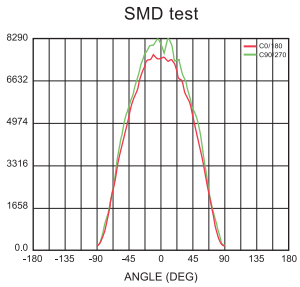
Dimension in Millimeters (inches)

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.

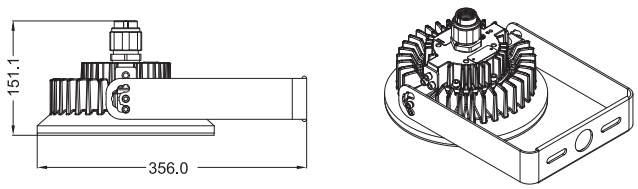
Model Code

THT	H	1703	Z	C	A	C	9	J0	S90

- **THT** – Brand, THT=Top Hi-Tech Co, Ltd.
- **H** – Protection type of luminaire, H=Hazardous location LED lighting
- **1703** – Model Name, 1703=Model L1703
- **Z** – Suffix for manufacturer internal use only, Z=No sub-series under this model
- **C** – Type of top cover, C=Top cover with opening
- **A** – Type of LED module, A=DOB type LED, K=SMD type LED
- **C** – C.C.T., C=Cool White, W=Warm White
- **9** – Voltage, 1=110V, 2=220V, 9=277V
- **J0** – Wattage, F0=60W, F5=65W, G5=75W, H0=80W, I0=90W, I5=95W, J0=100W
- **S90** – Mounting bracket type
  - S25/90=Stanchion 25°/90°
  - P90=Pendant
  - WHT(W90)=Wall Mount 90°
  - WHT(H90)=Hanging Mount 90°

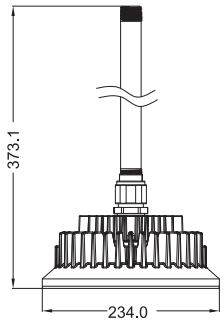
Mounting Option & Dimensions (All in mm)

Wall Mount 90° [WHT (W90)]



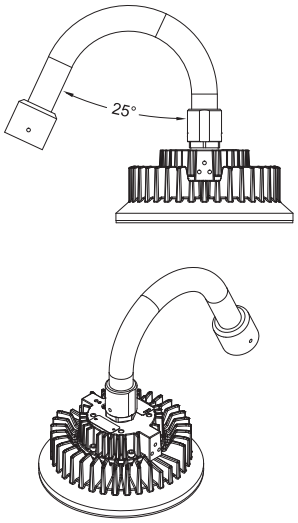
6.3kg (13.8 lb)

Pendant (P90)



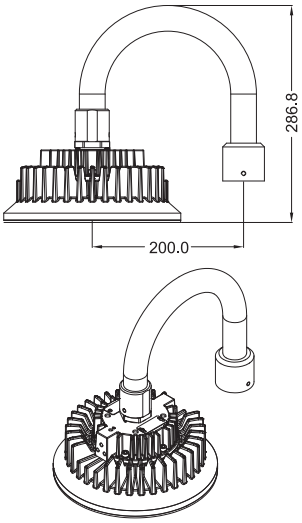
6.5 kg (14.3 lb)

Stanchion 25° (S25)



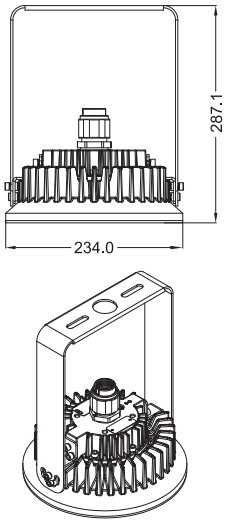
6.5 kg (14.3 lb)

Stanchion 90° (S90)



6.6 kg (14.6 lb)

Hanging Mount 90° [WHT (H90)]



6.3 kg (13.8 lb)

Applicable Area

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