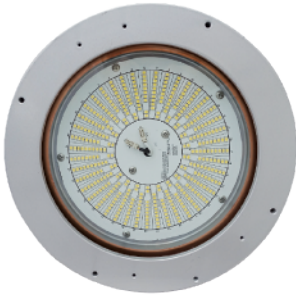


# L1701

## Luminaires For Use In Hazardous Locations



Net Weight: 8.0 kg (17.6 lb)

**CID1**  
Group  
B, C, D

**CIID1**  
Group  
E, F, G

**IP67**

**NEMA**  
6

### Protection

- Class I, Division 1, Group B, C and D
- Class II, Division 1, Group E, F and G
- Class III

### Standards

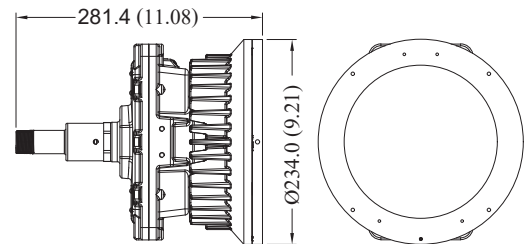
- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No. 137-M1981
- CSA C22.2 No. 30-M1986
- CSA C22.2 No. 25-1996
- CSA C22.2 No. 250.0
- CSA C22.2 No. 250.13

### Light Features

- Full Voltage Explosion-proof LED Lighting for hazardous location
- IP67 rated for wet location
- Service life up to 60,000 hours

## Technical Data

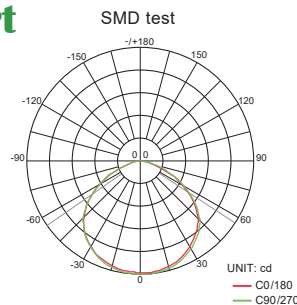
Rated Voltage (±10%)	120V ~ 277V AC (Full Voltage)			
Watts (±10%)	60W / 80W / 100W			
Amps	60W: 0.21 ~ 0.5A / 80W: 0.28 ~ 0.67A / 100W: 0.36 ~ 0.83A			
Color of LED Light	3000K (Warm White) / 5000K (Cool White)			
Ambient Temperature	CID1: -25°C ~ +40°C, T6 / CIID1: +40°C, T6			
Power Factor	cos ≥ 0.9			
CRI	Cool White ≥ 70 / Warm White ≥ 80			
Lumen (±10%)	SMD	60W	80W	100W
	3000K	6000lm	8000lm	10000lm
	5000K	6600lm	8800lm	11000lm
Beam Angle	X-110° / Y-110°			
Frequency	50 / 60 Hz			
Degree of Protection	IP67 / NEMA 6			
Material: Enclosure	Aluminum alloy			
LED Service Life	60,000 hrs			
Entrance Thread	1 × NTP 3/4"			



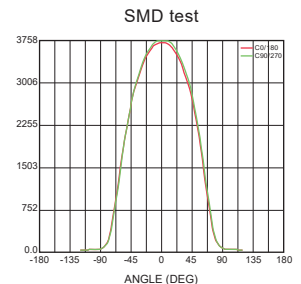
Dimension in Millimeters (inches)

## Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



## Model Code

THT	E	1701	A	C	K	C	A	JO	WHT
Brand, THT=TOP HI-TECH CO., LTD.	Protection type of luminaire, E=Explosion proof luminaires	Model Name, 1701=Model L1701	Sub-series designation	Type of top cover, C=Top cover with opening	Type of LED model, K=SMD LED Module	C.C.T., C=Cool White, W=Warm White	Voltage, A=120 ~ 277V	Wattage, F0=60W, H0=80W, JO=100W	Mounting bracket type WHT(W25/90)= Wall Mount 25°/90° WHT(H25/90)=Hanging Mount 25°/90°

## Mounting Option & Dimensions (All in mm)

<p>Wall Mount 25° [WHT (W25)]</p> <p>8.6 kg (18.9 lb)</p>	<p>Wall Mount 90° [WHT (W90)]</p> <p>8.6 kg (18.9 lb)</p>
<p>Hanging Mount 25° [WHT (H25)]</p> <p>8.6 kg (18.9 lb)</p>	<p>Hanging Mount 90° [WHT (H90)]</p> <p>8.6 kg (18.9 lb)</p>

### Applicable Area

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