



L1733N

Luminaires
For Use In Hazardous Locations



Net Weight: SMD/COB 8.2 kg (18 lb),
SMD with lens 9.4 kg (20.7 lb)



Protection

- Class I, Division 2, Groups A, B, C and D
- Class II, Division 2, Groups F and G
- Class III

Standards

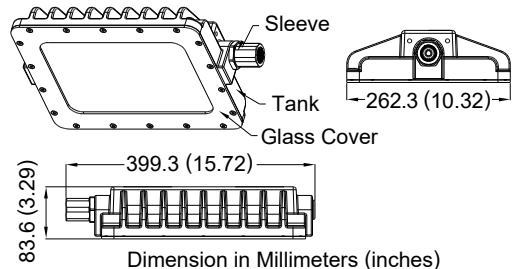
- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No. 137-M1981
- CSA C22.2 No. 250.0
- CSA C22.2 No. 250.13

Light Features

- Various wattage for different lumen requirement
- SMD with different angle lens is available upon request

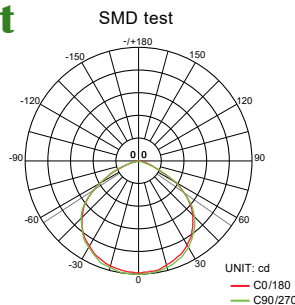
Technical Data

Rated Voltage ($\pm 10\%$)	COB: 120V / 277V / 347V (Only 120W) / 480V (Only 120W), SMD: 120V / 277V AC, SMD with Lens: 100~277V / 200V~480V (Full Voltage)											
Watts ($\pm 10\%$)	COB: 120W/140W/160W, SMD: 120W/140W/150W, SMD(with Lens): 110W/130W/150W											
Amps	120W 120V: 1.00A, 277V: 0.43A, 347V: 0.35, 480V: 0.25A / 140W 120V: 1.17A, 277V: 0.51A / 150W 120V: 1.25A, 277V: 0.54A / 160W 120V: 1.33A, 277V: 0.58A / 110W 100~277V: 1.10A~0.40A, 200~480V:0.22A~0.55A / 130W 100~277V: 1.30A~0.50A, 200~480V:0.27A~0.65A / 150W 100~277V: 1.50A~0.54A, 200~480V:0.31A~0.75A											
Color of LED Light	3000K (Warm White) / 5000K (Cool White)											
Ambient Temperature	CID2: -20°C ~ +50°C, T3 / CIID2: +50°C, T4A (COB/SMD) CID2: -20°C ~ +40°C, T4A / CIID2: +40°C, T5 (SMD with Lens)											
Power Factor	$\cos \geq 0.9$, $\cos \geq 0.87$ (480V)											
CRI	Cool White ≥ 70 / Warm White ≥ 80											
Lumen ($\pm 10\%$)	COB	120W	140W	160W	SMD	120W	140W	150W	SMD with Lens	110W	130W	150W
	3000K	12192	13588	15107lm	3000K	11760	14074	15850lm	3000K	14279	16989	17485lm
	5000K	14416	13922	16630lm	5000K	14004	15587	17166lm	5000K	12502	14595	17685lm
Beam Angle	X-110° / Y-110° (COB / SMD)											
Frequency	50 / 60 Hz											
Degree of Protection	IP67 / NEMA 6											
Material	<ul style="list-style-type: none"> • Enclosure Aluminum alloy • Glass Tempered glass 											
LED Service Life	60,000 hrs											
Entrance Thread	1 × NPT 3/4"											

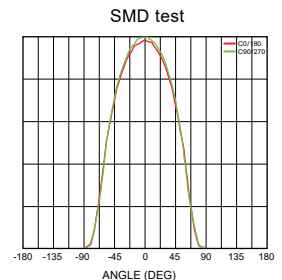


Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT	H	1733	A	N	B	C	C	Q0	WHT	
Brand, THT=Top Hi-Tech Co, Ltd.		Model Name, 1733=Model L1733N series	Sub-series designation, A=Single voltage (AC LED), B=Full voltage (DC LED)	Type of top cover, N=Without top cover		Type of LED module, B=COB LED, K=SMD LED	C.C.T., C=Cool White, W=Warm White	Voltage, 6=120V, 9=277V, F=347V, C=480V, H=100~277V, J=200~480V	Wattage, Q0=160W, P0=150W, N0=140W, M0=130W, L0=120W, K0=110W	Mounting bracket type WHT(W25/90)=Wall Mount 25°/90° WHT(H20/90)=Hanging Mount 20°/90° SL1=Street Type SL2=Electrical Tube Mount

Mounting Option & Dimensions (All in mm)

<p>Wall Mount 25° [WHT (W25)]</p> <p>View A</p> <p>COB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)</p>	<p>Wall Mount 90° [WHT (W90)]</p> <p>View A</p> <p>COB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)</p>	<p>Hanging Mount 20° [WHT (H20)]</p> <p>View A</p> <p>COB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)</p>	<p>Hanging Mount 90° [WHT (H90)]</p> <p>View A</p> <p>COB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)</p>
<p>Street Type (SL1)</p> <p>Lighting</p> <p>Street Lighting Sleeve</p> <p>2-M12 Screw</p> <p>COB/SMD: 9.3 kg (20.5 lb) SMD with Lens: 10.5 kg (23.1 lb)</p>		<p>Electrical Tube Mount (SL2)</p> <p>Lighting</p> <p>Electrical Tube</p> <p>COB/SMD: 9.3 kg (20.5 lb) SMD with Lens: 10.5 kg (23.1 lb)</p>	