

L1733N

Hazardous Location LED Lighting



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



Protection

- DOB • Ex nR IIC T4 Gc
• Ex tb IIIC T110°C Db
• Ex II 3 G Ex nR IIC T4 Gc
• Ex II 2 D Ex tb IIIC T110°C Db
- SMD • Ex nR IIC T5 Gc
• Ex tb IIIC T100°C Db
• Ex II 3 G Ex nR IIC T5 Gc
• Ex II 2 D Ex tb IIIC T100°C Db
- SMD with Lens
• Ex nR IIC T6 Gc
• Ex tb IIIC T85°C Db
• Ex II 3 G Ex nR IIC T6 Gc
• Ex II 2 D Ex tb IIIC T85°C Db

Standards

- IEC 60079-0
IEC 60079-15
IEC 60079-31
EN 60079-0
EN 60079-15
EN 60079-31

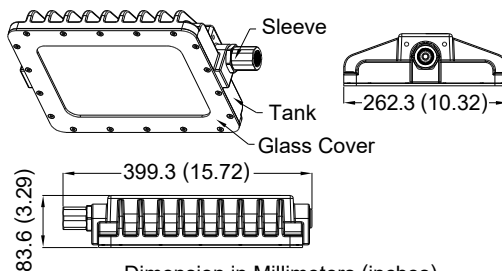
Technical Data

Rated Voltage (±10%)	DOB: 110V / 220V / 277V, SMD: 110V / 220V / 277V AC, SMD with Lens: 100~277V (Full Voltage)												
Watts (±10%)	DOB: 120W/140W/160W/180W, SMD: 120W/140W/150W, SMD (with Lens): 110W/130W/150W												
Amps	DOB 120W 110V:1.09A, 220V:0.55A, 277V:0.43A / 140W 110V:1.27A, 220V:0.64A, 277V:0.51A 160W 110V:1.45A, 220V:0.73A, 277V:0.58A / 180W 110V:1.64A, 220V:0.82A, 277V:0.65A SMD 120W 110V:1.09A, 220V:0.55A, 277V:0.43A / 140W 110V:1.27A, 220V:0.64A, 277V:0.51A 150W 110V:1.36A, 220V:0.68A, 277V:0.54A SMD with lens 110W 0.39A ~ 1.1A / 130W 0.46A ~ 1.3A / 150W 0.54A ~ 1.5A												
Color of LED Light	3000K (Warm White) / 5000K (Cool White)												
Ambient Temperature	-20°C ~ +50°C (DOB:T4, SMD:T5), -20°C ~ +40°C, T6 (SMD with Lens)												
Power Factor	cos≥0.9												
CRI	Cool White≥70 / Warm White≥80												
Lumen (±10%)	DOB	120W	140W	160W	180W	SMD	120W	140W	150W	SMD with Lens	110W	130W	150W
	3000K	10708	11628	13037	14256lm	3000K	11760	14074	15850lm	3000K	14279	16989	17485lm
	5000K	11680	12862	13351	15430lm	5000K	14004	15587	17166lm	5000K	12502	14595	17685lm
Beam Angle	X-110° / Y-110°												
Frequency	50 / 60 Hz												
Degree of Protection	IP67 / NEMA 6												
Material	• Enclosure	Aluminum alloy											
	• Glass	Tempered glass											
LED Service Life	60,000 hrs												
Entrance Thread	1 × NPT 3/4"												

Technical drawing of the LED light fixture showing top, side, and front views with dimensions.

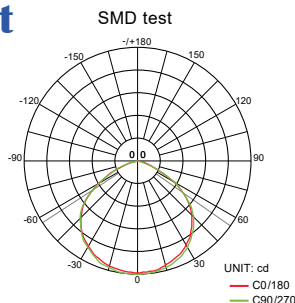
- Top View: Shows the rectangular shape of the fixture. Dimensions: 399.3 (15.72) inches in width and 262.3 (10.32) inches in height.
- Side View: Shows the profile of the fixture. Dimensions: 3.6 (3.29) inches in depth.
- Front View: Shows the front of the fixture with the glass cover and the entrance thread.

Labels in the drawing include: Sleeve, Tank, Glass Cover, and 262.3 (10.32).

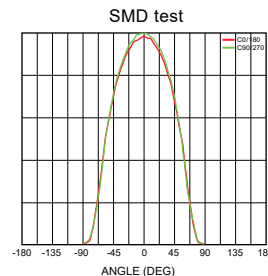


Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT	H	1733	A	N	A	C	9	S0	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, A=DOB LED, K=SMD LED	
		Category of luminaire, H=Luminaires for hazardous locations		C.C.T., C=Cool White, W=Warm White		Voltage, 1=110V(AC LED), 2=220V(AC LED), 9=277V(AC LED), H=100~277V(DC LED)		Wattage, K0=110W (DC SMD), L0=120W (DOB/AC SMD), M0=130W (DC SMD), N0=140W (DOB/AC SMD), P0=150W (AC & DC SMD), Q0=160W (DOB), S0=180W (DOB)	
								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)

Wall Mount 25° [WHT (W25)]	Wall Mount 90° [WHT (W90)]	Hanging Mount 20° [WHT (H20)]	Hanging Mount 90° [WHT (H90)]
DOB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)	DOB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)	DOB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)	DOB/SMD: 9.8 kg (21.6 lb) SMD with Lens: 11.0 kg (24.3 lb)
Street Type (SL1)		Electrical Tube Mount (SL2)	
DOB/SMD: 9.3 kg (20.5 lb) SMD with Lens: 10.5 kg (23.1 lb)		DOB/SMD: 9.3 kg (20.5 lb) SMD with Lens: 10.5 kg (23.1 lb)	