

L1217E

Universal Explosion-proof LED Lighting



Net Weight: 10.8 kg (23.8 lb)



Protection

- Ex db IIC T5 Gb
- Ex tb IIIC T95°C Db

Standards

IEC 60079-0
IEC 60079-1
IEC 60079-31

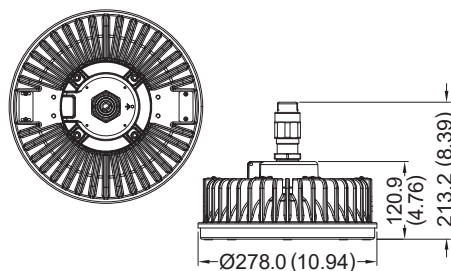
Light Features

- 150W High power lighting
- IP 67 rated for wet locations.
- Applicable to high temperature environment

Technical Data

Rated Voltage (±10%)	110V / 220V / 277V AC			
Watts (±10%)	120W / 140W / 150W			
Amps	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			
Color of LED Light	3000K (Warm White) / 5000K (Cool White)			
Ambient Temperature	-20°C ~ +40°C, T5			
Power Factor	cos≥0.9			
CRI	Cool White≥70 / Warm White≥80			
Lumen (±10%)	SMD	120W	140W	150W
	3000K	10800lm	12600lm	13500lm
	5000K	12000lm	14000lm	15000lm
Beam Angle	X-110° / Y-110°			
Frequency	50 / 60 Hz			
Degree of Protection	IP67 / NEMA 6			
Material	• Enclosure • Glass	Aluminum alloy Tempered glass		
LED Service Life	60,000 hrs			
Entrance Thread	1 × M25			

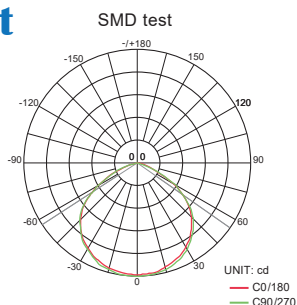
The technical drawing consists of two views of the LED light fixture. The top view is a circular diagram showing the internal LED array and the mounting bracket. The side view shows the fixture's profile with the following dimensions: a total height of 120.9 mm (4.76 inches) and a mounting bracket height of 213.2 mm (8.39 inches). The base diameter is labeled as Ø278.0 mm (10.94 inches).



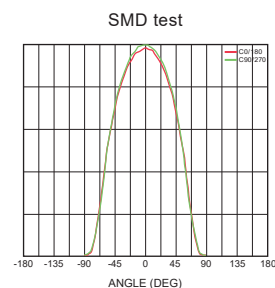
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



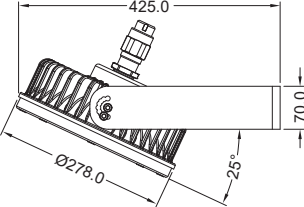
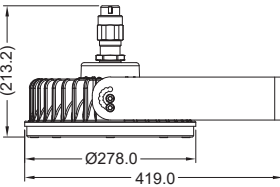
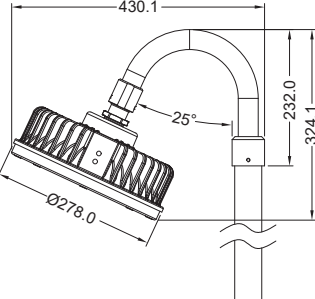
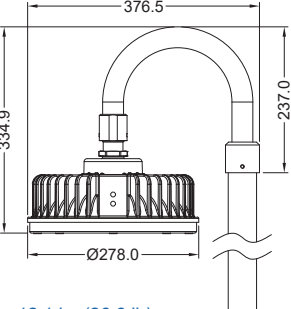
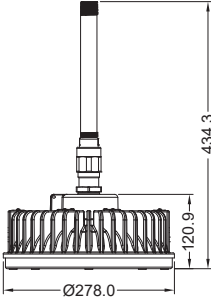
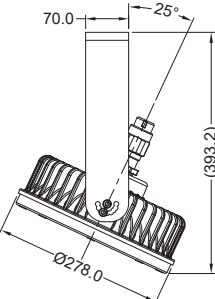
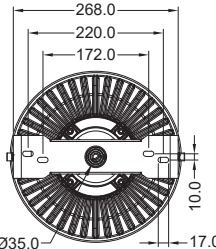
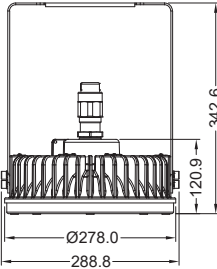
Luminous Intensity Distribution Diagram



Model Code

THT	E	1217	E	B	K	C	9	P0	S25
Brand, THT=TOP HI-TECH CO., LTD.	Protection type of luminaire, E=Explosion proof luminaires	Model Name, 1217=Model L1217 series	Sub-series designation, E=Use SMD LED	Type of top cover, B=Short top cover	Type of LED model, K=SMD LED Module	C.C.T., C=Cool White, W=Warm White	Voltage, 1=110V, 2=220V, 9=277V	Wattage, L0=120W, N0=140W, P0=150W	Mounting bracket type S25/90=Bending Electrical Tube 25°/90° P90=Straight Electrical Tube WHT(W25/90)= Wall Mount 25°/90° WHT(H25/90) = Hanging Mount 25°/90°

Mounting Option & Dimensions (All in mm)

Bending Electrical Tube 25° [WHT (W25)]		Wall Mount 90° [WHT (W90)]	
			
12.5 kg (27.5 lb)		12.5 kg (27.5 lb)	
Bending Electrical Tube 25° (S25)		Bending Electrical Tube 90° (S90)	
			
12.0 kg (26.4 lb)		12.1 kg (26.6 lb)	
Straight Electrical Tube (P90)		Hanging Mount 25° [WHT (H25)]	
			
11.1 kg (24.4 lb)		12.5 kg (27.5 lb)	
Hanging Mount 90° [WHT (H90)]		Hanging Mount 90° [WHT (H90)]	
			
12.5 kg (27.5 lb)		12.5 kg (27.5 lb)	

Applicable Area

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