

L1815A Universal Explosion-proof LED Lighting



Zone 1

Zone 2

Zone 21

Zone 22

IP67

NEMA 6

Protection

- Ex db IIC T6 Gb
- Ex tb IIIC T80°C Db
- Ex II 2 G Ex db IIC T6 Gb
- Ex II 2 D Ex tb IIIC T80°C Db

Standards

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

Net Weight: 9.1 kg (20.1 lb)

Emergency Mode
Illumination Time: 120 minutes (40W) / 240 minutes (20W)

Technical Data

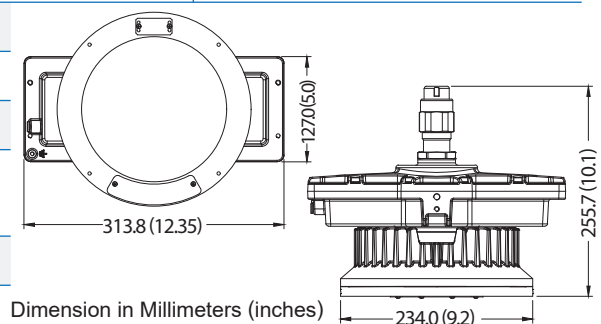
Rated Voltage (±10%)	100V ~ 277V AC (Full Voltage)		
Total System Power Consumption (+10%)	55W		
LED Output	40W / 20W (Reduced mode)		
Color of LED Light	3000K (Warm White) / 5000K (Cool White)		
Ambient Temperature	0°C ~ +40°C, T6		
Power Factor	cos ≥ 0.9		
CRI	Cool White ≥ 70 / Warm White ≥ 80		
Lumen (±10%)	SMD	40W	20W
	3000K	3600lm	1800lm
	5000K	4000lm	2000lm
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 × M25		

Battery Backup

- Emergency mode output wattage: 40W / 20W (Reduced mode)
- Charging time: 48 hours
- Emergency mode illumination time: 120 minutes (40W) / 240 minutes (20W)
- UL 2054 certified Li-ion battery

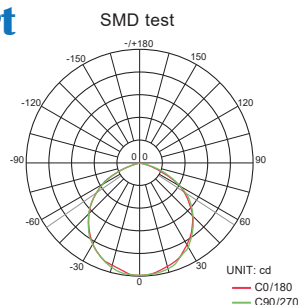
*Panasonic Battery

*When the fixture is not in use, please charge 48 hours every month to maintain the battery's performance.

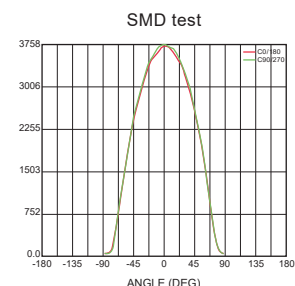


Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT	E	1815	A	C	K	C	H	E5	W25
						①			②

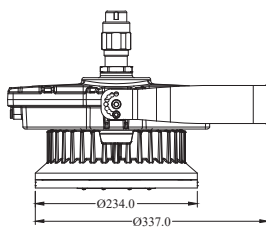
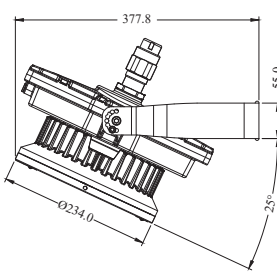
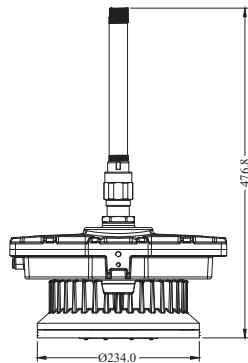
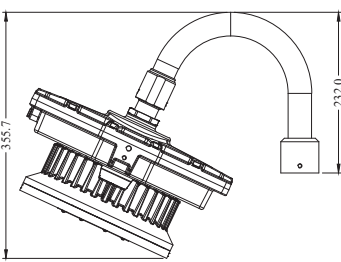
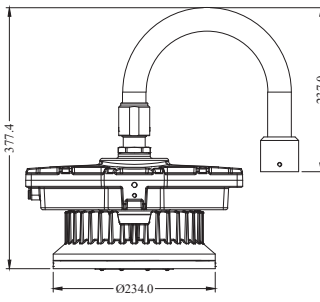
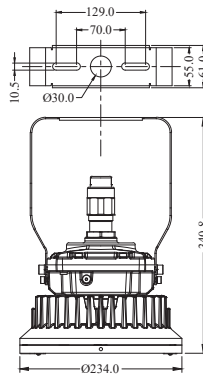
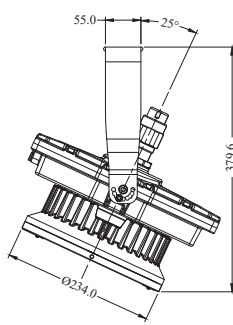
① C.C.T.

C=Cool White
W=Warm White

② Mounting Bracket Type

W25/90=Wall Mount 25°/90°
H25/90=Hanging Mount 25°/90°
S25/90=Stanchion 25°/90°
P90=Pendant

Mounting Option & Dimensions (All in mm)

Wall Mount 90° (W90)  10.0 kg (22.0 lb)	Wall Mount 25° (W25)  10.0 kg (22.0 lb)	Pendant (P90)  9.5 kg (20.9 lb)
Stanchion 25° (S25)  10.3 kg (22.7 lb)	Stanchion 90° (S90)  10.4 kg (22.9 lb)	
Hanging Mount 90° (H90)  10 kg (22.0 lb)	Hanging Mount 25° (H25)  10 kg (22.0 lb)	