

L1102DR

Explosion-proof LED Lighting

High-Lumen LED with Energy Efficiency



High Luminous Efficacy
(Without Lens)



LED With Lens
60°, 90°



Protection

- Ex db IIC T5...T4 Gb
- Ex tb IIIC T95°C...T105°C Db
- Ex II 2 G Ex db IIC T5...T4 Gb
- Ex II 2 D Ex tb IIIC T95°C...T105°C Db

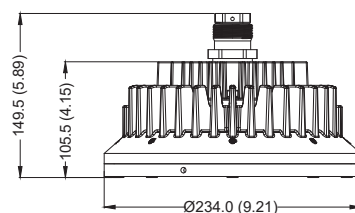
Standards

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

Net Weight: 5.8 kg (12.8 lb)

Technical Data

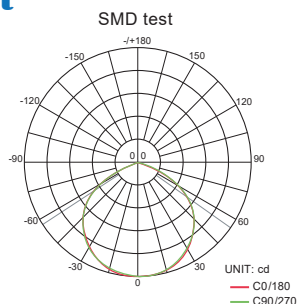
Rated Voltage (±10%)	100V~277V AC
Watts (±10%)	40W / 60W / 80W / 100W
Amps	SMD: 0.1A~1.0A
Color of LED Light	3000K (Warm White) / 5000K (Cool White)
Ambient Temperature	-20°C ~ +40°C, T5 / -20°C ~ +50°C, T4
Power Factor	cos ≥ 0.9
CRI	Cool White ≥ 70 / Warm White ≥ 80
Lm / W (±10%)	170~175 lm/w
Beam Angle	X-116° / Y-116° (LED Without Lens)
Frequency	50 / 60 Hz
Degree of Protection	IP67/ NEMA 6
Material	• Enclosure: Aluminum alloy • Glass: Tempered glass
LED Service Life	60,000 hrs



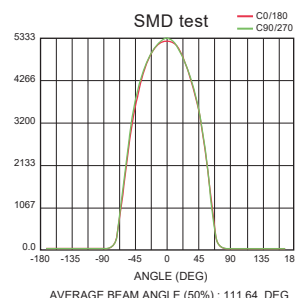
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT - 2K A 100 d 5 H C 1102 W90

① ② ③

① Wattage

40W=40W, 60W=60W
80W=80W, 100=100W

② C.C.T.

C=Cool White
W=Warm White

③ Mounting Bracket Type

W90=Wall Mount 90°
H90=Hanging Mount 90°
S25/90=Stanchion 25°/90°
C90=Ceiling mounting 90°
P90=Pendant

Mounting Option & Dimensions (All in mm)

Wall Mount 90° (W90-1) 6.9 kg (15.2 lb)	Wall Mount 90° (W90-2) 6.9 kg (15.2 lb)	Hanging Mount 90° (H90-1) 6.9 kg (15.2 lb)	Hanging Mount 90° (H90-2) 6.9 kg (15.2 lb)
Stanchion 25° (S25) 6.7 kg (14.8 lb)	Stanchion 90° (S90) 6.7 kg (14.8 lb)	Ceiling 90° (C90) 6.6 kg (14.6 lb)	Pendant (P90) 6.3 kg (13.9 lb)

Table 1

Length	Part NO.
100.0mm	THT-52500001CO0004
150.0mm	THT-52500001CO0007
200.0mm	THT-52500001CO0005
235.0mm	THT-52500001CO0002

Optional Accessory

