

L1102D

Universal
Explosion-proof LED Lighting



Protection

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

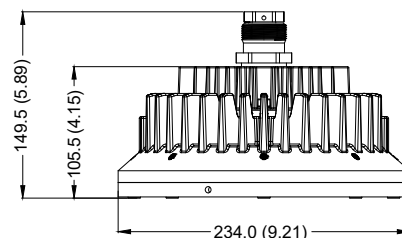
Standards

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

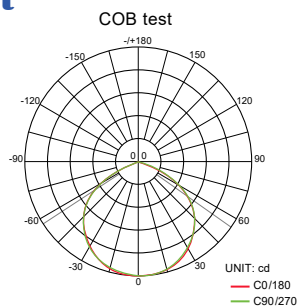
Rated Voltage (±10%)	COB: 24V / 100V / 110V / 120V / 200V / 220V / 230V / 277V / 480V AC SMD: 110V / 120V / 220V / 230V / 277V / 480V AC
Watts (±10%)	COB: 30W / 40W / 50W / 60W / 70W / 80W / 90W / 100W SMD: 40W / 50W / 60W / 65W / 75W / 95W (Watts of 24V are different, please contact us for details.)
Amps	COB: 0.06A~4.17A SMD: 0.08A~0.86A
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, cos ≥ 0.87(480V)
CRI	Cool White ≥ 70 / Warm White ≥ 80
Lm / W (±10%)	Cool White: 115 lm/w / Warm White: 110 lm/w
Beam Angle	X-110° / Y-110°
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 × M25



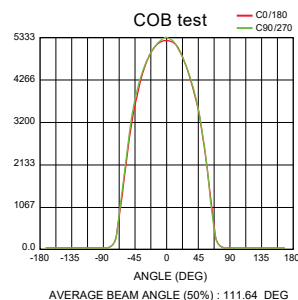
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Model Code

THT	-	2L	A	100	d	5	2	C	1102	W90
		①		②			③	④		⑤

① Category of Product

2L=COB LED
2K=SMD LED

② Wattage

30W=30W (COB), 40W=40W (COB & SMD)
50W=50W (COB & SMD), 60W=60W (COB & SMD)
65W=65W (SMD), 70W=70W (COB)
75W=75W (SMD), 80W=80W (COB)
90W=90W (COB), 95W=95W (SMD)
100=100W (COB)

③ Voltage

3=24V (COB)
4=100V (COB)
1=110V (COB & SMD)
6=120V (COB & SMD)
5=200V (COB)
2=220V (COB & SMD)
D=230V (COB & SMD)
9=277V (COB & SMD)
C=480V (COB & SMD)

④ C.C.T.

C=Cool White
W=Warm White

⑤ 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)

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

Table 1

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

6.3 kg (13.9 lb)

Optional Accessory

