

L1102J

Luminaires
for use in Hazardous Locations



CID2
Group
A, B, C, D

IP68

NEMA
6P

Protection

- Class I, Division 2
Group A, B, C, D

Standards

UL 844
UL 1598 Luminaires
UL 8750
CSA C22.2 No. 137-18
CSA C22.2 No. 250.0
CSA C22.2 No. 250.13

Light Features

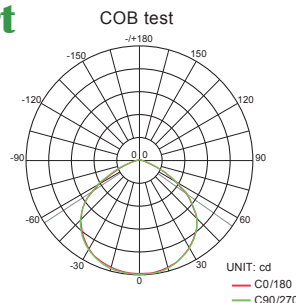
- Design with junction box for quick and easy installation.
- Hassle-free of lighting connection via multi-directional box entry.
- Flexible box assembly as per worksite requirement.

Technical Data

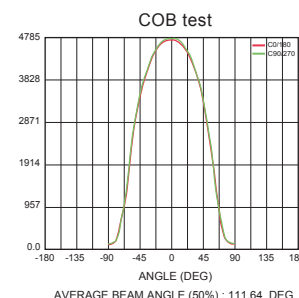
Rated Voltage (±10%)	COB: 120V / 277V / 480VAC , SMD: 120V / 277VAC							
Watts (±10%)	COB: 60W / 80W / 100W, SMD: 65W / 75W / 95W							
Amps	60W 120V: 0.50A, 277V: 0.22A, 480V: 0.13A / 80W 120V: 0.67A, 277V: 0.29A, 480V: 0.17A / 100W 120V: 0.83A, 277V: 0.36A, 480V: 0.21A 65W 120V: 0.54A, 277V: 0.23A / 75W 120V: 0.63A, 277V: 0.27A, 95W 120V: 0.79A, 277V: 0.34A							
Color of LED Light	3000K (Warm White) / 5000K (Cool White)							
Ambient Temperature	CID2: -40°C ~ +40°C							
Power Factor	cos≥0.9, cos≥0.87(480V)							
CRI	Cool White≥70 / Warm White≥80							
Lumen (±10%)	COB	60W	80W	100W	SMD	65W	75W	95W
	3000K	5700	7600	9000lm	3000K	6175	7215	8550lm
	5000K	6000	8000	10000lm	5000K	6500	7500	9500lm
Beam Angle	X-110° / Y-110°							
Frequency	50 / 60 Hz							
Degree of Protection	IP68 / NEMA 6P							
Material • Enclosure • Glass	Aluminum alloy Tempered glass							
LED Service Life	60,000 hrs							
Entrance Thread	M20, M25, NPT 1/2", NPT 3/4" x 1~5 thread holes							

Optical Report

Polar Luminous
Intensity Distribution



Luminous
Intensity Distribution Diagram



Model Code

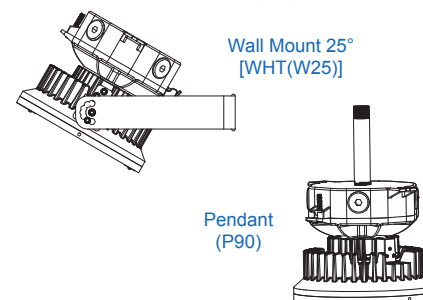
THT	H	1102	J	E	K	C	9	P0	C90
Brand, THT=TOP HI-TECH CO., LTD.	Protection type of luminaire, H=HazLoc LED Lighting	Model Name, 1102=Model L1102J series	Internal control code, J= For all luminaires	Type of top cover, C=Ceiling Bracket Cover with Nipple, E=Ceiling Bracket Cover without Nipple	C.C.T., C=Cool White, W=Warm White	Type of LED model, B=DCOB LED Module K=SMD LED Module	Voltage, 6=120V, 9=277V, C=480V	Wattage, J0=100W, I5=95W H0=80W, G5=75W F5=65W, F0=60W	Mounting bracket type C90=Ceiling mounting 90°

Mounting Option & Dimensions (All in mm)

Without Nipple		
Ceiling Mount 90° (C90)		
6.0kg (13.2lb)		
With Nipple		
Ceiling Mount 90° (C90)		
6.5kg (14.3lb)		

Optional Mounting

*Two-position (wall/hanging) adjustable trunion, each position with two aiming angles (25° and 90° adjustable).



Optional Accessory

