



Product Name

4inch 9W Fire Rated Downlight

Model No.

FDL-04

OPTICAL DATA

LED Chip	SMD2835
Color Temp.	27/30/35/40/50K
Lumen @ 3000K	830lm
Housing Material	Steel
Beam Angle	110°
CRI	>80

ELECTRICAL DATA

Voltage	120VAC, 50/60Hz
Output Voltage	28 - 42VDC
Power	9Watt
Efficacy	92lm/W
Power Factor	>0.90
Operating Temp.	-20 - 40 °C

Color Temperature Settings



CCT is controlled by the toggle switch on junction box.

From left to right, CCT is 2700K,3000K,3500K,4000K,5000K



CCT	2700K	3000K	3500K	4000K	5000K
Lumen	790lm	830lm	860lm	850lm	840lm

5 Color Temperature Settings

**Soft White
(2700K)**

**Warm White
(3000K)**

**Neutral White
(3500K)**

**Cool White
(4000K)**

**Daylight
(5000K)**



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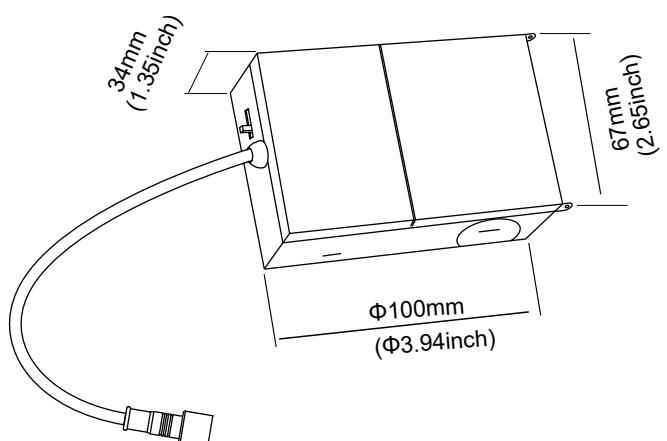
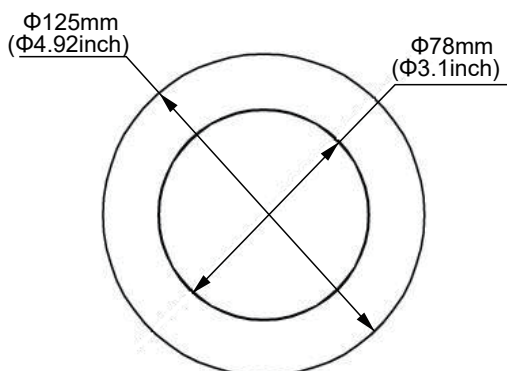
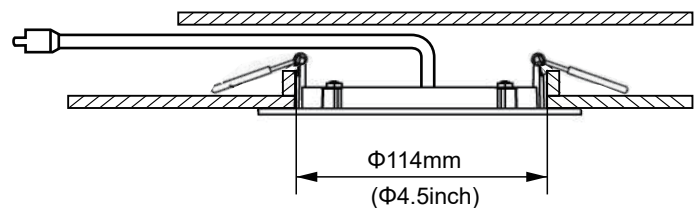
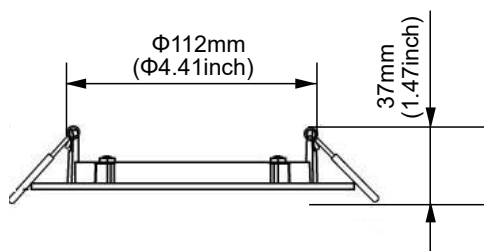
OTHER DATA

Dimming	Triac base dimmable	Panel Diameter	4.92" (125mm)
IC Rated	Type IC Rated	Panel Height	1.47" (37mm)
Location Approved	Damp Location	Cut out Size	4.5" (114mm)
Certification	cETLus	Junction Box Length	3.94" (100mm)
	2 Hours Fire Rating	Junction Box Width	2.65" (67mm)
		Junction Box Height	1.35" (34mm)

OPTIONAL INFORMATION

Trim Color	White
Shape	Round

PHYSICAL DIMENSION



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Features

Fire Resistent

Select from Five Color Temeratures

IC, Air Tight and Damp Location Rated

Triac Dimmable

Specifications

Performance

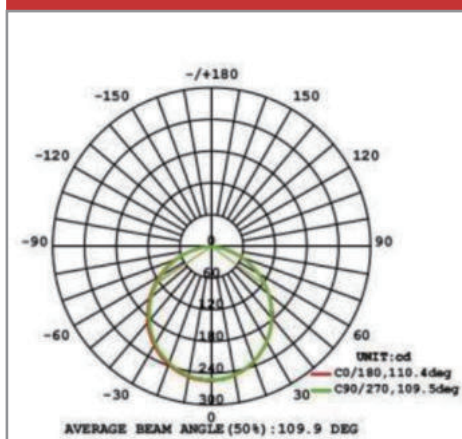
- Field Selectable CCT (2700K, 3000K, 3500K, 4000K, 5000K)
- IC Rated for direct contact with insulation
- 2 Hour Fire Rating
- 120V, 50/60 Hz Triac Dimming Driver
- Up to 90 lumens per Watt

Description

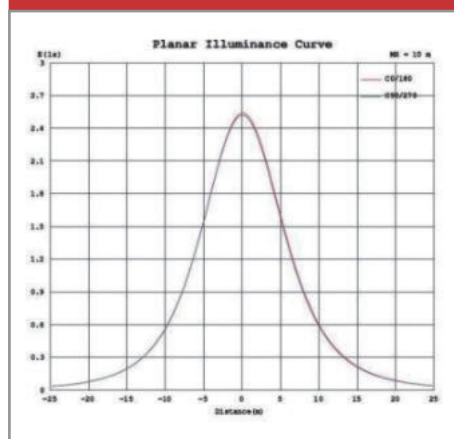
- Each light fixture includes fireproof cotton that activates when temperatures exceed 190°C. Upon activation, it expands up to five times its original size, creating a barrier to prevent fire and smoke from spreading to other parts of the building and helping to slow the fire's progression.

Photometric Information

Luminus Intensity Distribution Diagram



Planar Illuminance Curve



Downlight Install on Ceiling Assembly



Exposed Surface After Fire Endurance Test (120 mins)

Construction

- Powder coated steel housing
- Canless design with spring retention clips and metal driver box
- Edge Lit LED design with frosted polycarbonate diffuser
- Field selectable CCT switch