

# SureFit

## Ultra Slim Surface Mount LED Downlight

### Product Description

The SureFit Ultra Slim Surface Mount LED Downlight features a custom-designed, integrated driver for quick and easy installation into any standard 4/0 J-Box of 20in<sup>3</sup> volume or greater. Simply mount the fixture directly to the J-Box using two screws. Detachable round steel trim and square die-cast aluminum trim offer a seamless finish in both round and square apertures to enhance the visual aesthetic of any living space. A polystyrene diffuser maximizes lumen output while creating uniform light distribution that reduces glare. Able to be used in residential and light commercial spaces including living rooms, bedrooms, home theaters, corridors, office, retail and more.

#### Construction

- Spun aluminum housing routes heat away from electrical components
- Custom designed, integrated driver allows for use in metallic and non-metallic 4" and 4/O J-Boxes
- Detachable round steel and square die cast aluminum trim

#### Optical System

- Polystyrene diffuser creates uniform light distribution that reduces glare while maximizing lumen output

#### Electrical

- Utilizes high performing LEDs with a greater than 90 CRI and an R9 greater than 50
- Dimmable to less than 10% with most standard TRIAC dimmers
- Operating temperature of 0° to 120°F (-18°C to 49°C)
- Input voltage of 120VAC
- TM-21 Reported L70(6K) hours >36,000
- LM-79, LM-80 testing performed in accordance with IESNA standards
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions

#### Finish

- White powder coat finish standard
- Optional trims available in Black, Nickel, Oil-Rubbed Bronze, and White
- Optional trims available in Round or Square

#### Installation

- Easy installation in any 4/O J-Box and 4" metallic and non-metallic junction box of 20 in<sup>3</sup> volume or greater
- Fixture mounts directly to J-Boxes with two screws
- Removable trim allows for easy mounting while providing a seamless trim finish
- Three four-port poke-in connectors included
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

#### Warranty

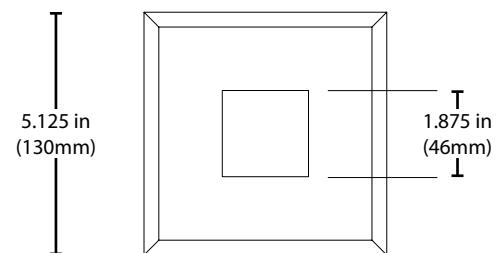
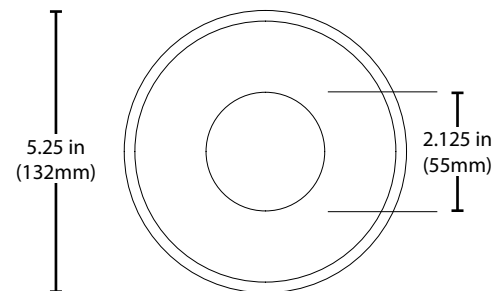
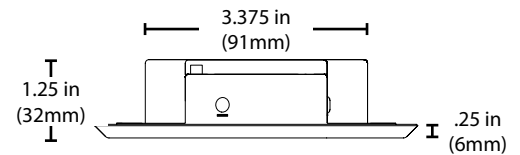
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

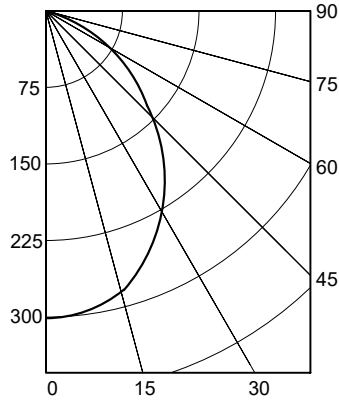
Date



## Photometric Data

### 2700K DLF

Luminaire	2700K
Input Voltage (VAC)	120
System Level Power (W)	9.66
Delivered Lumens* (Lm)	613
System Efficacy (Lm/W)	63.5
Correlated Color Temp (K)	2697
Color Rendering Index (CRI)	92 R9=56
Beam Angle	90°
Spacing Criteria	1.12



#### Intensity Summary (Candle Power)

Angle	Mean CP
0	301
5	300
15	285
25	250
35	193
45	130
55	81
65	46
75	22
85	7
90	0

#### CCT Data Multiplier

DLF-10-120-3K-WH	1.042
DLF-10-120-4K-WH	1.083
DLF-10-120-5K-WH	1.083

#### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	18.8	4.49
6	8.36	6.74
8	4.71	8.98
10	3.01	11.2

#### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	230	37.6%
0-40	354	57.8%
0-60	533	86.9%
0-90	613	100%
90-180	0	0%
0-180	613	100%

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture with round white trim. Results may vary in the field.

\*With round white trim

#### Performance Data

Model Number	Lumens*	Watts	Lumens/Watt
DLF-10-120-2K-WH	613	9.66	63.5
DLF-10-120-3K-WH	639	9.66	66.1
DLF-10-120-4K-WH	664	9.66	68.7
DLF-10-120-5K-WH	664	9.66	68.7

\*With round white trim

#### Recommended Dimmers\*

Lutron MACL  
Lutron TGCL  
Cooper DAL06P  
Leviton IPL06

\*Not a complete list. Check compatibility before installation.

#### Housing Compatibility\*

4' O Metallic	4' Non-Metallic (20in <sup>3</sup> volume min)
Any of depth ≥ 1.5"	Carlton B620 series
	Arlington f417, f426
	Other new construction boxes of ≥ 20in <sup>3</sup> volume

## Ordering Information

Example: DLF-10-120V-3K-WH

Series	Version	Voltage	CCT's	Trim Color
DLF	10 (Version 1)	120	2K (2700 K)	WH (white)
			3K (3000 K)	
			4K (4000 K)	
			5K (5000 K)	

Specifications and dimensions subject to change without notice.

## Accessories

Accessories sold separately

Round Nickel Trim	DLF-10-TRIM-RD-NK
Round Oil-Rubbed Bronze Trim	DLF-10-TRIM-RD-OB
Round Black Trim	DLF-10-TRIM-RD-BK
Round White Trim	DLF-10-TRIM-RD-WH
Square Nickel Trim	DLF-10-TRIM-SQ-NK
Square Oil-Rubbed Bronze Trim	DLF-10-TRIM-SQ-OB
Square Black Trim	DLF-10-TRIM-SQ-BK
Square White Trim	DLF-10-TRIM-SQ-WH