

# SureFit™ v2

## Ultra Slim Surface Mount LED Downlight

### Product Description

The newest version of the SureFit™ Ultra Slim Surface Mount LED Downlight features an even smaller custom-designed driver for quick and easy installation into more junction boxes. The DLF will fit most standard 4/O, 4" non-metallic new construction or remodel J-Boxes. Simply mount the fixture directly to the J-Box using the keyhole mounting slots and two screws. Detachable round steel trims and square die-cast aluminum trims offer a seamless finish in both round and square apertures to enhance the visual aesthetic of any living space. The NICOR SureFit™ is the perfect solution for 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 trim
- Optional square die cast aluminum trim

### Optical System

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

### Electrical

- Custom slim driver minimizes installation height
- Input voltage of 120VAC, 60Hz
- Dimmable to less than 5% with compatible leading edge (TRIAC) and trailing edge (ELV) dimmers
- LM-79 testing performed in accordance with IESNA standards

### LED

- Available in 2700K, 3000K, 4000K, or 5000K
- Binned within 4-step MacAdams with  $\text{duv} < \pm 0.003$
- TM-21 Reported L70(10K) hours >56,000
- Utilizes high performing LEDs with 90+ CRI and an R9 > 50

### Finish

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

### Mounting and Installation

- Easy installation in most 4/O and 4" non-metallic new construction and remodel J-Boxes
- Removable trim allows for easy mounting while providing a seamless trim finish
- Fixture mounts directly to J-Boxes with two screws
- Keyhole slots allow quick and easy installation
- Three three-port poke-in connectors included
- Operating temperature of 0° to 104°F (-18°C to 40°C)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

### Warranty

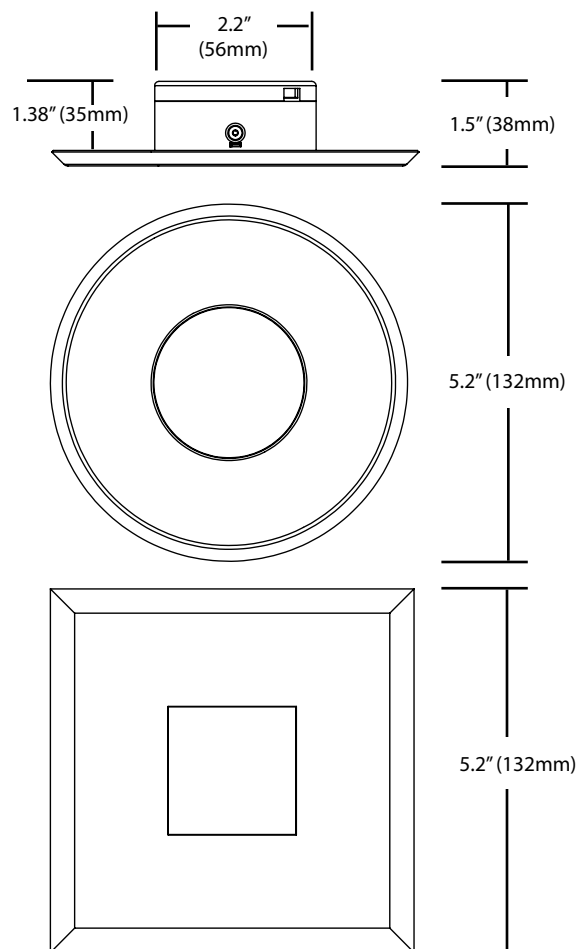
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

Date

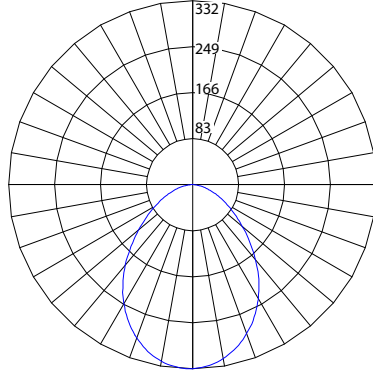


U.S. Patent Pending

## Photometric Data

### DLF 2700K

|                             |          |
|-----------------------------|----------|
| Input Voltage (VAC)         | 120V     |
| System Level Power (W)      | 10.5     |
| Delivered Lumens* (Lm)      | 674      |
| System Efficacy (Lm/W)      | 64.2     |
| Correlated Color Temp (K)   | 2692     |
| Color Rendering Index (CRI) | 94 R9=64 |
| Beam Angle                  | 86°      |
| Spacing Criteria            | 1.10     |



#### Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0     | 331     |
| 5     | 327     |
| 15    | 318     |
| 25    | 304     |
| 35    | 285     |
| 45    | 263     |
| 55    | 237     |
| 65    | 208     |
| 75    | 177     |
| 85    | 146     |
| 90    | 118     |

#### CCT Data Multiplier

|              |       |
|--------------|-------|
| DLF201203KWH | 1.020 |
| DLF201204KWH | 1.058 |
| DLF201205KWH | 1.071 |

#### Cone of Light Tabulation

| Mounted height (Feet) | Footcandles Beam Center | Diameter (Feet) |
|-----------------------|-------------------------|-----------------|
| 4                     | 20.7                    | 7.4             |
| 6                     | 9.2                     | 11.1            |
| 8                     | 5.2                     | 14.8            |
| 10                    | 3.3                     | 18.5            |
| 12                    | 2.3                     | 22.1            |
| 14                    | 1.7                     | 25.8            |
| 16                    | 1.3                     | 29.5            |

#### Zonal Lumen Summary

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 241    | 35.7%          |
| 0-40   | 374    | 55.5%          |
| 0-60   | 579    | 86%            |
| 0-90   | 674    | 100%           |
| 90-180 | 0      | 0%             |
| 0-180  | 674    | 100%           |

\*With round white trim

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.

#### Performance Data

| Model Number | Lumens* | Watts | Lumens/Watt |
|--------------|---------|-------|-------------|
| DLF201202KWH | 674     | 10.5  | 64.4        |
| DLF201203KWH | 687     | 10.5  | 65.7        |
| DLF201204KWH | 713     | 10.5  | 68.1        |
| DLF201205KWH | 721     | 10.5  | 69.0        |

\*With round white trim

#### Recommended Dimmers\*

Lutron Caseta PD-10XN  
Leviton IPL06  
Legrand Adorne Softap  
Lutron Skylark SELV 300P  
Cooper SAL06P

#### Housing Compatibility\*

| 4" O Metallic       | 4" Non-Metallic  |
|---------------------|--|
| Any of depth ≥ 1.5" | Carlton B620 series<br>Arlington f426<br>Legrand S120 Series |

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

## Ordering Information

Example: DLF201203KWH

| Series | Version | Voltage    | CCT's       | Trim Color |
|--------|---------|------------|-------------|------------|
| DLF    | 20      | 120 (120V) | 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 |

\*DLFv1 Trims are compatible with the DLFv2