

DGD2

2" Gimbal Recessed LED Downlight

Product Description

The DGD LED Downlight Gimbal Series offers a line of gimbal downlights that simplify installing tailored lighting in challenging locations. The high performing light engine with off-board driver allows for more flexible installations and increased lifetime with improved thermal management. The DGD fixture uses a plenum-rated cable connector to link the downlight module to the remote driver box and then pops into place with its adjustable, spring-loaded retention tabs for a secure fit, eliminating the need for a J-box or recessed housing. Adding directional lighting for architectural accent in areas such as living rooms, hallways, stairways and corridors is now easier than ever.

Construction

- Cast aluminum trim routes heat away from electrical components
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Certified for direct contact with insulation

Optical System

- Selectable models use a dual emitter array that enables CCT selection of 2700K, 3000K, 3500K, 4000K, or 5000K
- COB with greater than 90 CRI and an R9 greater than 50
- TIR optic provides smooth, uniform light with a 45° beam angle
- 32° Tilt with 360° rotation

Electrical

- Input voltage 120VAC, 60Hz
- CCT selection switch on driver
- Off-board driver minimizes installation height and maximizes fixture life through improved heat management
- Dimmable to less than 10% with compatible TRIAC dimmers
- Operating temperature rating of -4°F to 104°F (-20°C to 40°C)
- Lifetime rated for greater than 54,000 hours

Mounting and Installation

- Spring loaded retention arms allow for easy installation into ceilings up to 5/8" thick
- Off-board driver/junction box includes three 1/2" KOs and three-port poke-in connectors
- Extension power cables available
- Rough in template available

Finish

- Matte white powder coat finish
- Also available in Black or Oil-Rubbed Bronze

Listings

- cETLus 1598 Classified for wet locations
- ENERGYSTAR listed
- CA Title 24 compliant (JA8)
- Certified for direct contact with insulation (IC-Rated)
- Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5) for closet use
- RoHS Compliant: Free from harmful and hazardous materials
- LED lumen maintenance: L70(9k)>54,000 hrs
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- LM-79, LM-80 testing performed in accordance with IESNA standards

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

Catalog

Type

Date



DGD2v2
Gimbal Recessed LED Downlight
400 Lumens
Selectable CCT



Ordering

Ordering Information

Example: DGD22120SRD9WH

Series	Size	Version	Voltage	CCT's	Trim	CRI	Finish
DGD	2	2	120	S (Select : 27/30/35/40/50K)	RD (White)	9 (90+)	WH (White)
							BK (Black)
							OB (Oil Rubbed Bronze)

Specifications and dimensions subject to change without notice. Please refer to the website for the most up-to-date information.

Accessories

accessories sold separately

2' Extension Cable	RELS-EXTCABLE-2
10' Extension Cable	RELS-EXTCABLE-10

Performance Data

Performance Data				
Model Number	CCT	Lumens	Wattage	Lumens/Watt
DGD22120SRD9**	2700	428	4.81	89.1
	3000	461	4.75	97.2
	3500	490	4.67	104.9
	4000	507	4.72	107.5
	5000	498	4.83	103.3

Recommended Dimmers*

Lutron DIVA DVELV-303P

LEVITON C22-06672-1LW

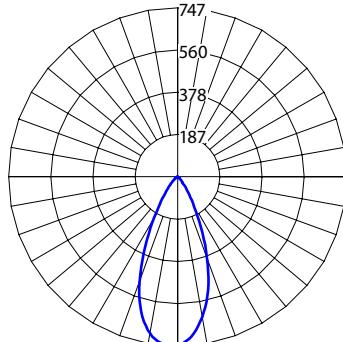
Lutron Skylark SELV-300P

*Not a complete list.
Check compatibility before installation.

Photometric Data

DGD22 @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	4.81
Delivered Lumens (Lm)	461
System Efficacy (Lm/W)	97.1
Correlated Color Temp (K)	3049
Color Rendering Index (CRI)	95 R9=65
Beam Angle (°)	44.3
Spacing Criteria	0.73



CCT Data Multiplier

2700K	0.929
3000K	1.000
3500K	1.062
4000K	1.099
5000K	1.081

Intensity Summary (Candle Power)

Angle	Mean CP
0	742
5	716
15	528
25	280
35	88
45	25
55	10
65	6
75	3
85	1
90	0

Cone of Light Tabulation

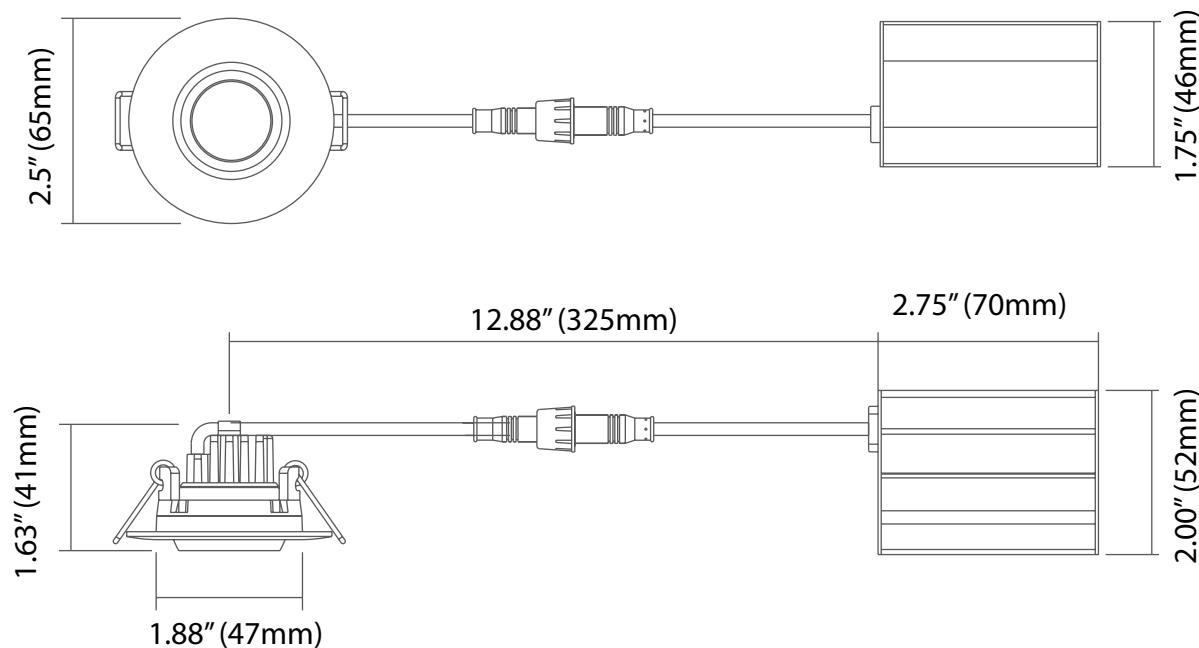
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	46.2	3.3
6	20.4	4.9
8	11.4	6.5
10	7.2	8.1
12	5.0	9.8
14	3.6	11.4
16	2.7	13.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	356	77.2%
0-40	418	90.6%
0-60	452	98%
0-90	461	100%
90-180	0	0%
0-180	461	100%

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

Dimensions



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.