

DGD-Select

Canless LED Gimbal

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 housing routes heat away from electrical components
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Certified for direct contact with insulation
- Available in 2", 3", and 4" sizes
- Matte white powder coat finish
- Also available in Black or Oil-Rubbed Bronze

Optical System

- Dual-Emitter array technology allows for selectable color temperature at 2700K, 3000K, 3500K, 4000K, or 5000K options
- COB with greater than 90 CRI and an R9 greater than 50
- TIR optic provides smooth, uniform light with a 45° beam angle on 2" and 3" option and 35° on 4" option
- 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" knockouts and three-port poke-in connectors
- Carboard cutout template included in every box
- Extension power cables available
- Rough in template available

Listings

- cETLus 1598 Classified for wet locations
- ENERGY STAR Certified
- 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



NICOR®

Ordering

Ordering Information

Example: DGD42120SRD9WH

Series	Size	Version	Voltage	CCT's	Shape	CRI	Finish
DGD	2 (2-inch)	2 (Version 2.0)	120 (120VAC)	S (Select : 27K/30K/35K/40K/50K)	RD (White)	9 (90+)	WH (White)
	3 (3-inch)						BK (Black)
	4 (4-inch)						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
3", 4", 6" Rough In Flat Template	ROUGHIN-TEMPLATE-346
2" Rough In Template	ROUGHIN-TEMPLATE-2
3", 4", 6" Multiframe Template	MULTIFRAME-346-1

Performance Data

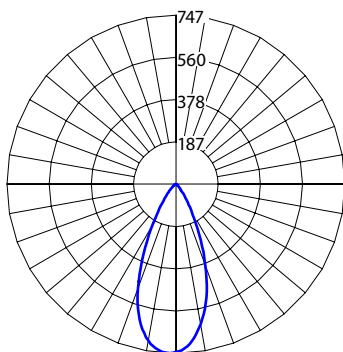
Performance Data					Performance Data				
Model Number	CCT	Lumens	Wattage	Lumens/Watt	Model Number	CCT	Lumens	Wattage	Lumens/Watt
DGD22120SRD9**	2700	428	4.81	89.1	DGD32120SRD9**	2700	566	7.94	71.3
	3000	461	4.75	97.2		3000	606	7.89	76.8
	3500	490	4.67	104.9		3500	656	7.81	84.2
	4000	507	4.72	107.5		4000	693	7.83	88.6
	5000	498	4.83	103.3		5000	721	7.98	90.5
DGD42120SRD9**	2700	784	11.36	69.0	Recommended Dimmers* Lutron DIVA DVELV-303P LEVITON C22-06672-1LW Lutron Skylark SELV-300P				
	3000	845	11.31	74.7					
	3500	937	11.14	84.1					
	4000	994	11.16	89.1					
	5000	1044	11.55	90.4					

*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



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%

CCT Data Multiplier

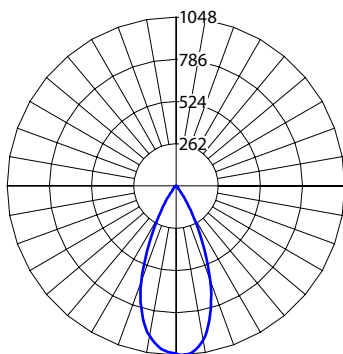
2700K	0.929
3000K	1.000
3500K	1.062
4000K	1.099
5000K	1.081

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

Photometric Data

DGD32 @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	7.9
Delivered Lumens (Lm)	606
System Efficacy (Lm/W)	76.7
Correlated Color Temp (K)	3076
Color Rendering Index (CRI)	93 R9=57
Beam Angle (°)	44.4
Spacing Criteria	0.74



Intensity Summary (Candle Power)

Angle	Mean CP
0	1041
5	1029
15	819
25	402
35	98
45	19
55	13
65	8
75	4
85	1
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	65.3	3.2
6	29.1	4.9
8	16.4	6.5
10	10.4	8.1
12	7.2	9.7
14	5.2	11.4
16	4.0	13.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	502	82.8%
0-40	565	93.2%
0-60	592	97.6%
0-90	606	100%
90-180	0	0%
0-180	606	100%

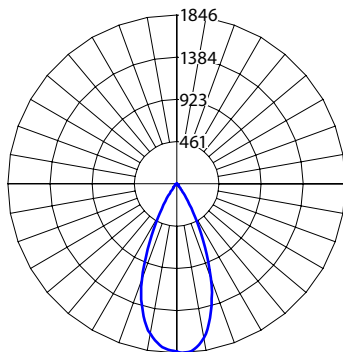
CCT Data Multiplier

2700K	0.934
3000K	1.000
3500K	1.084
4000K	1.145
5000K	1.191

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

DGD42 @ 3000K

Input Voltage (VAC)	120
System Level Power (W)	11.3
Delivered Lumens (Lm)	845
System Efficacy (Lm/W)	74.7
Correlated Color Temp (K)	3027
Color Rendering Index (CRI)	96 R9=72
Beam Angle (°)	35.5
Spacing Criteria	0.64



Intensity Summary (Candle Power)

Angle	Mean CP
0	1796
5	1837
15	1282
25	601
35	194
45	45
55	21
65	12
75	7
85	3
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	113.3	2.6
6	50.7	3.8
8	28.7	5.1
10	18.4	6.4
12	12.7	7.7
14	9.2	9.0
16	6.9	10.2

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	684	81%
0-40	779	92.2%
0-60	826	97.8%
0-90	845	100%
90-180	0	0%
0-180	845	100%

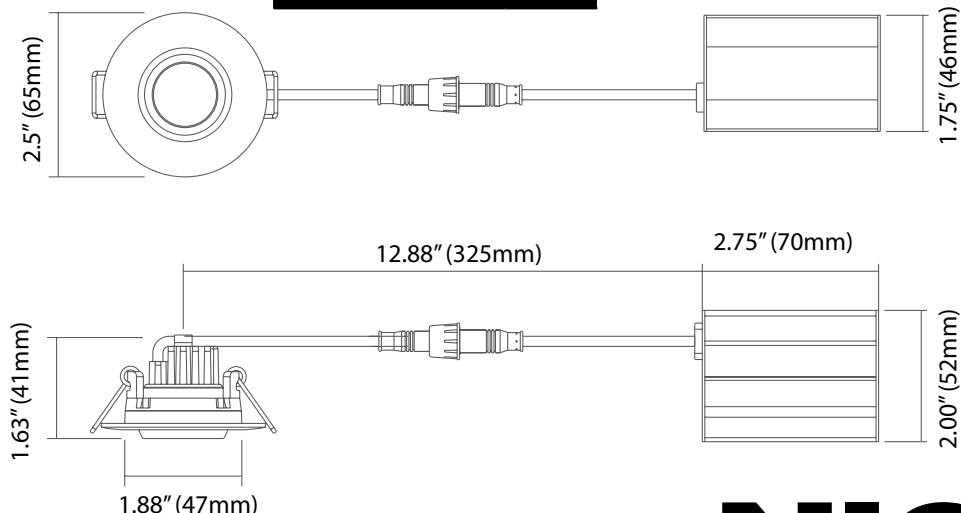
CCT Data Multiplier

2700K	0.928
3000K	1.000
3500K	1.109
4000K	1.176
5000K	1.236

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

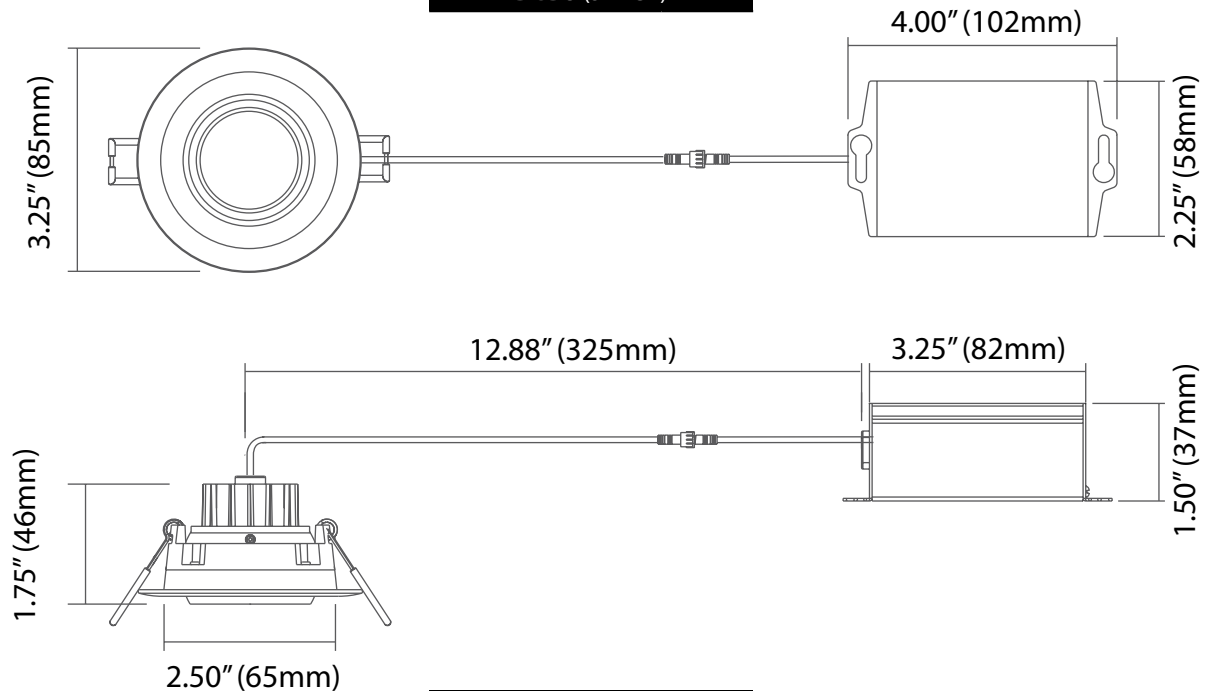
Dimensions

DGD2 (2-INCH)

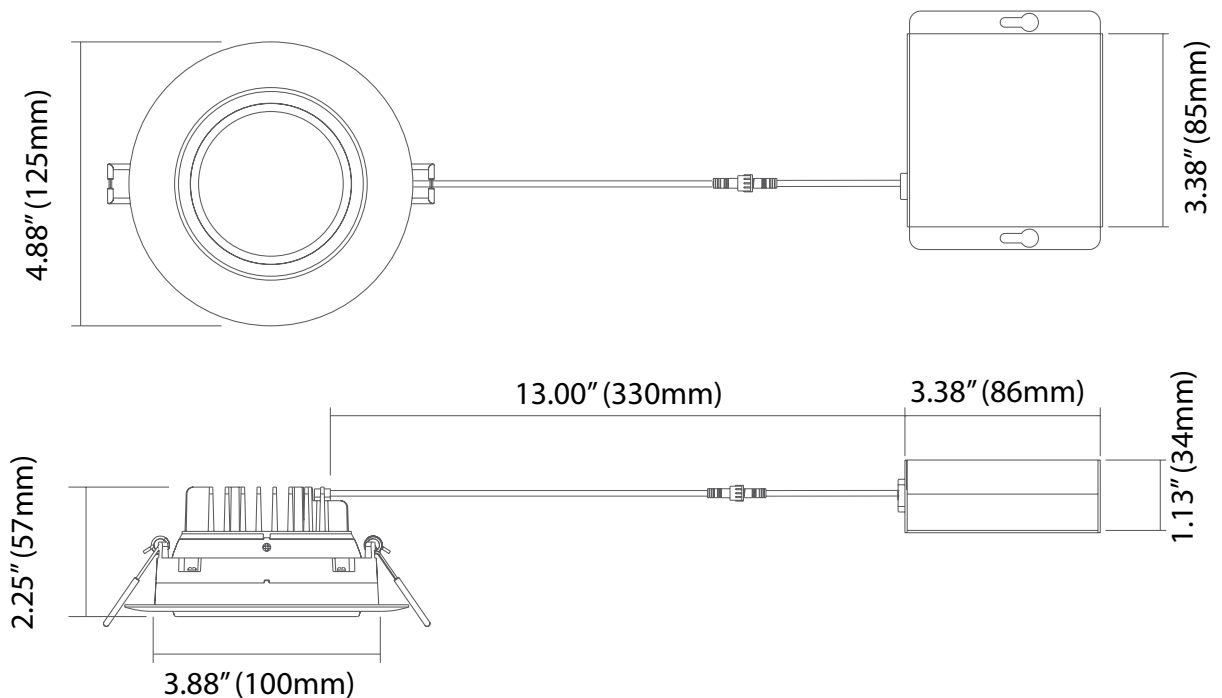


Dimensions

DGD3 (3-INCH)



DGD4 (4-INCH)



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.