DGF4
4" LED Recessed Adjustable Floating Gimbal

Project

Catalog

Type

Date

Product Description

The DGF LED Floating Gimbal Series offers an Airtight, IC rated gimbal that simplifies challenging lighting installations into easily tailored masterpieces. With five CCT Selections from 2700-5000K, the high performing light engine with off-board driver allows for more flexible installations and increased lifetime with improved thermal management. The DGF 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. Directional lighting is now easier than ever with 90° tilt and 360° rotation making the DGF perfect for architectural accents such as living rooms, hallways, stairways and corridors.

Construction
• Fully enclosed aluminum housing
• Adjustable, spring loaded retention tabs ensure secure fixture retention

Optical System
• Dual emitter COB enables CCT selection of 2700K, 3000K, 3500K, 4000K, or 5000K
• COB maintains 4-step MacAdams with duv <±0.003
• 90+ CRI and an R9 > 50
• TIR optic provides smooth, uniform light with a 29° beam angle
• 90° Tilt with 360° rotation of the housing

Electrical
• 120VAC 50/60Hz input to driver
• Off-board driver/junction box includes three 1/2" KOs and three-port poke-in connectors
• Dimmable to less than 5% with compatible TRIAC dimmers
• Operating temperature rating of 0°F to 120°F (-18°C to 49°C)
• L70 Lifetime rated for greater than 54,000 hours
• LM-79, LM-80 testing performed in accordance with IESNA standards

Finish
• White or Oil-Rubbed Bronze powder coat finish

Mounting and Installation
• Spring loaded retention arms allow for easy installation into ceilings up to 1" thick with no need for a recessed housing
• CCT adjusted via switch on fixture power whip
• Extension power cables (10', 20') available

Listings
• LM-79, LM-80 testing performed in accordance with IESNA standards
• UL/cUL1598 Listed for damp locations
• Certified Type IC for direct contact with insulation
• Airtight per ASTM E283
• RoHS Compliant
• Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
• LED lumen maintenance: L70(9k)>54,000 hrs

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
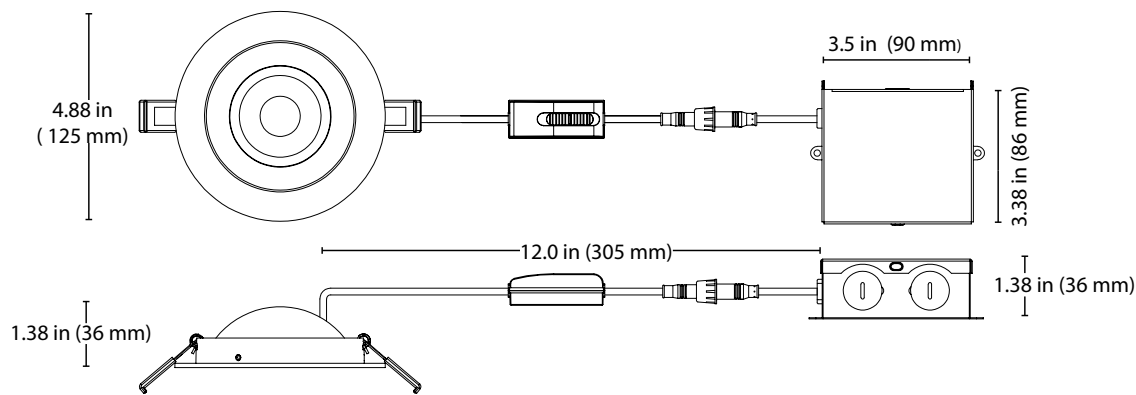

DGF4
9W
LED Recessed Floating Gimbal

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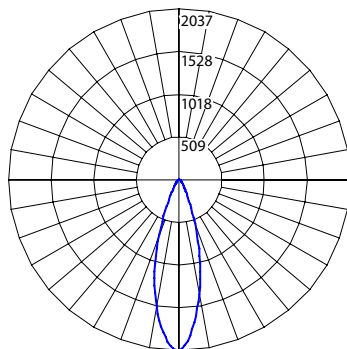
Dimensions

3.5 in (90 mm)

4.88 in (125 mm)

3.38 in (86 mm)

12.0 in (305 mm)

1.38 in (36 mm)

1.38 in (36 mm)

Photometric Data

DGF4 2700K

Input Voltage (VAC)	120V
System Level Power (W)	8.8
Delivered Lumens (Lm)	741
System Efficacy (Lm/W)	83.8
Correlated Color Temp (K)	2761
Color Rendering Index (CRI)	95
Beam Angle	29°
Spacing Criteria	0.47

2037
1528
1018
509

Intensity Summary (Candle Power)	
Angle	Mean CP
0	2036
5	1784
15	925
25	277
35	97
45	46
55	28
65	19
75	11
85	3
90	0

CCT Data Multiplier	
3000K	1.062
3500K	1.127
4000K	1.161
5000K	1.155

Cone of Light Tabulation		
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	126.1	2.0
6	55.0	3.0
8	30.1	4.0
10	18.6	5.1
12	12.4	6.1
14	8.8	7.1
16	6.4	8.1

Zonal Lumen Summary		
Zone	Lumens	% of Luminaire
0-30	577	77.8%
0-40	642	86.6%
0-60	706	95.2%
0-90	741	100%
90-180	0	0%
0-180	741	100%

Performance Data - Round			
CCT Setting	Lumens	Watts	Lumens/Watt
2700K	741	8.8	83.8
3000K	769	8.8	86.9
3500K	802	8.8	90.7
4000K	827	8.8	93.6
5000K	872	8.8	98.6

Recommended Dimmers*

Legrand Adorne sofTap DTP703TU

Lutron Caseta PD-10XN

Lutron Skylark SELV 300P

Leviton Decora Smart DW6HD

*Not a complete list.
Check compatibility before installation.

Ordering Information

Example: DGF41120SRDWH

Series	Version	Input Voltage	CCT's	Shape	Trim Color
DGF4	**1** (Version 1)	**120** (V)	**S** (Selectable: 27, 30, 35, 40, 50K)	**RD** (Round)	**WH** (White)
					OB (Oil-Rubbed Bronze)

Specifications and dimensions subject to change without notice.

Accessories

4" Rough In Template	ROUGHIN-TEMPLATE-4
10' Extension Cable	DRIVER-EXTCABLE-10
20' Extension Cable	DRIVER-EXTCABLE-20

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