

DCG6

6" Gimbal Recessed LED Downlight

Product Description

The DCG LED Downlight Gimbal Series provides an economical, easy-to-install upgrade from incandescent lighting to a long-lasting and energy-efficient LED solution. Its easy to use twist-and-turn design allows for fine adjustment of the gimbal position. The 354 degrees of rotation and 35 degrees of adjustable tilt makes the DCG suitable for sloped ceilings and wall wash. The sleek design enhances any interior space with its flush mounting and aesthetic appeal.

Construction

- Durable polymer flange
- Die cast aluminum heat sink
- Fully captured, spring-steel mounting arms

Optical System

- Polystyrene diffuser creates uniform light distribution with reduced glare
- Internal reflector cone maximizes lumen output

Electrical

- Input voltage 120VAC
- Dimmable to less than 5% with recommended TRIAC dimmers
- Operating temperature of 0° to 104°F (-18°C to 40°C)
- TM-21 Reported L70(10K) hours = 56,000
- 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

Installation

- Compatible with most 6" recessed housings
- Quick and easy installation with a screw-in Edison base (GU24 socket string available) and torsion spring mounting system

Finish

- Matte white polymer

Warranty

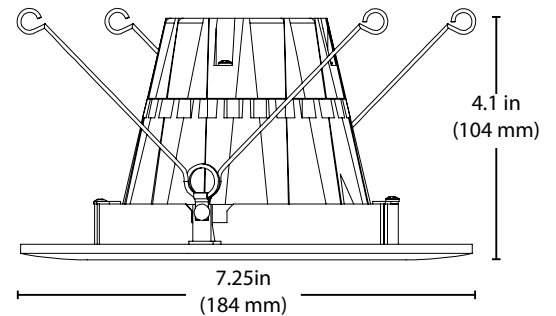
- 5-year limited system warranty standard

Project _____

Catalog _____

Type _____

Date _____

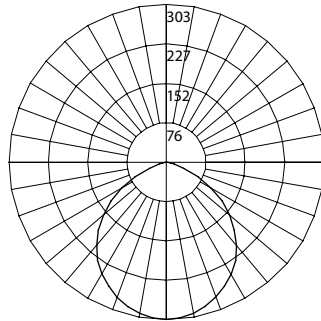


* Except 5000K

Photometric Data

DCG6 2700K

| | |
|-----------------------------|------------|
| Input Voltage (VAC) | 120 |
| System Level Power (W) | 10.4 |
| Delivered Lumens (Lm) | 832 |
| System Efficacy (Lm/W) | 80.0 |
| Correlated Color Temp (K) | 2692 |
| Color Rendering Index (CRI) | 93 R9 = 59 |
| Beam Angle | 113° |
| Spacing Criteria | 1.28 |



Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0 | 303 |
| 5 | 302 |
| 15 | 292 |
| 25 | 271 |
| 35 | 242 |
| 45 | 205 |
| 55 | 160 |
| 65 | 102 |
| 75 | 36 |
| 85 | 3 |
| 90 | 0 |

CCT Data Multiplier

| | |
|------------|-------|
| DCG621203K | 1.020 |
| DCG621204K | 1.058 |
| DCG621205K | 1.071 |

Cone of Light Tabulation

| Mounted height (Feet) | Footcandles Beam Center | Diameter (Feet) |
|-----------------------|-------------------------|-----------------|
| 4 | 19.0 | 5.1 |
| 6 | 8.4 | 7.6 |
| 8 | 4.7 | 10.1 |
| 10 | 3.0 | 12.6 |
| 12 | 2.1 | 15.2 |
| 14 | 1.5 | 17.7 |
| 16 | 1.2 | 20.2 |

Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 236 | 28.4% |
| 0-40 | 387 | 46.6% |
| 0-60 | 688 | 82.8% |
| 0-90 | 832 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 832 | 100% |

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

Performance Data

| Model Number | Lumens | Watts | Lumens/Watt |
|--------------|--------|-------|-------------|
| DCG621202K | 832 | 10.4 | 80.0 |
| DCG621203K | 848 | 10.4 | 81.6 |
| DCG621204K | 880 | 10.4 | 84.7 |
| DCG621205K | 891 | 10.4 | 85.7 |

Recommended Dimmers*

Lutron Diva DVELV-300P
Lutron Diva DVCL-153P
Lutron Radio RA RRD-6CL
Lutron Skylark SEVL-300P
Lutron Skylark SCL-153P

*Not a complete list. Check compatibility before installation.

Housing Compatibility*

17014A-LED-ID 6" LED IC AIRTIGHT NEW CONSTRUCTION HOUSING
17014AR-LED-ID 6" LED IC AIRTIGHT REMODEL HOUSING
MOST STANDARD 6" HOUSINGS

Ordering Information

Example: DCG621202KWH

| Series | Version | Voltage | CCT's | Trim |
|--------|---------|---------|-------------|------|
| DCG6 | 2 | 120 | 2K (2700 K) | WH |
| | | | 3K (3000 K) | |
| | | | 4K (4000 K) | |
| | | | 5K (5000 K) | |

Specifications and dimensions subject to change without notice.

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.