RWG

Edge Lit Recessed LED Gimbal Downlight

Project

Catalog

Type

Date

Product Description

Introducing the RWG, our sleek Edge Lit LED Gimbal, the perfect fusion of modern design and innovative lighting technology. This gimbal features a minimalist profile, making it an eye-catching addition to any space while providing versatile illumination. The edge-lit design and premium diffuser ensures a soft, diffused glow that enhances your environment without harsh shadows, creating a warm and inviting atmosphere. Constructed with high-quality materials, the LED gimbal is energy-efficient, offering long-lasting performance with minimal heat output. With its adjustable gimbal mechanism of 20° of tilt and 180° rotation, you can effortlessly direct the light to highlight artwork, architectural features, or simply illuminate your room according to your mood.

Construction

- Die-cast aluminum housing
- 180° rotation and 20° Tilt
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Off-board driver minimizes installation height and maximizes fixture life through improved heat management

Optical System

- Precision engineered optical stack creates uniform light distribution that maximizes lumen output
- Utilizes high performing LEDs with 90+ CRI and an R9 > 50
- 5CCT selection of 2700K, 3000K, 3500K, 4000K, and 5000K (3000K default)
- CCT selection switch on driver

Electrical

- Input voltage 120VAC, 60Hz
- Power factor: ≥0.9
- THD ≤ 20%
- Dimmable to 5% with compatible leading edge (TRIAC) or trailing edge (ELV) dimmers
- Operating temperature of -4°F to 113°F (-20°C to 45°C)

Mounting and installation

- Spring loaded retention tabs allow for easy installation into ceilings up to ¾" thick with no need for a recessed housing
- Off-board driver/j-box includes three 1/2" KOs and three-port poke-in connectors
- Paper cutting template included
- Accessory metal rough-in template and frames available
- Accessory extension cables available
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Finish

- White powder coat finish

Listings

- cETLus 1598 Classified for wet locations
- Energystar listed
- CA Title 24 compliant (JA8)
- Certified for direct contact with insulation (IC-Rated)
- Meets Air Tight requirements per ASTM E283
- 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
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- LED lumen maintenance: L70(9k)>50,000 hrs
- 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

RWG

6" Recessed LED Gimbal Downlight

1200 Lumens

Selectable CCT

Ordering

Ordering Information					*Example: RWG61120S9WH*
Series	**Version**	**Voltage**	**CCT's**	**CRI**	**Trim**
☐ **RWG6** (6")	**1**	**120**	**S** (Select : 27/30/35/40/50K)	**9** (90CRI)	**WH** (White)

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

Accessories

accessories sold separately

Frame for 3", 4", 6" remote driver fixtures	☐ MULTIFRAME-346-1
Frame for 6" remote driver fixtures	☐ DLE6-ROUGHIN-FRAME
3" , 4" , 6" rough-in flat template	☐ ROUGHIN-TEMPLATE-346
2' extension cable	☐ RELS-EXTCABLE-02
10' extension cable	☐ RELS-EXTCABLE-10

Performance Data

Performance Data

Model Number	CCT	Lumens	Power Draw	Lumens/Watt
RWG61120S9WH	2700	1235	12.9	95.9
	3000	1219		94.6
	3500	1259		97.7
	4000	1271		98.7
	5000	1288		100.0

Recommended Dimmers*

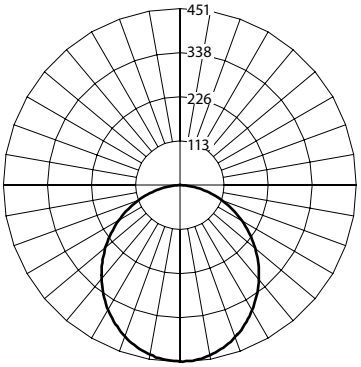
Lutron Toggler TGCL-153PH-WH
Lutron Skylark CTCL-153PDH-WH
Lutron DIVA DVCL-153P
Leviton 6672

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

Photometric Data

RWG6 3000K

Input Voltage (VAC)	120
System Level Power (W)	12.9
Delivered Lumens (Lm)	1219
System Efficacy (Lm/W)	94.6
Correlated Color Temp (K)	2970
Color Rendering Index (CRI)	96 R9=74
Beam Angle	107.4
Spacing Criteria (0)	1.24



Intensity Summary (Candle Power)

Angle	Mean CP
0	450
5	447
15	428
25	392
35	342
45	283
55	217
65	148
75	79
85	10
90	0

CCT Data Multiplier

2700K	1.013
3000K	1.000
3500K	1.033
4000K	1.043
5000K	1.057

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	28.1	10.9
6	12.5	16.3
8	7.0	21.7
10	4.5	27.2
12	3.1	32.6
14	2.3	38.0
16	1.7	43.5

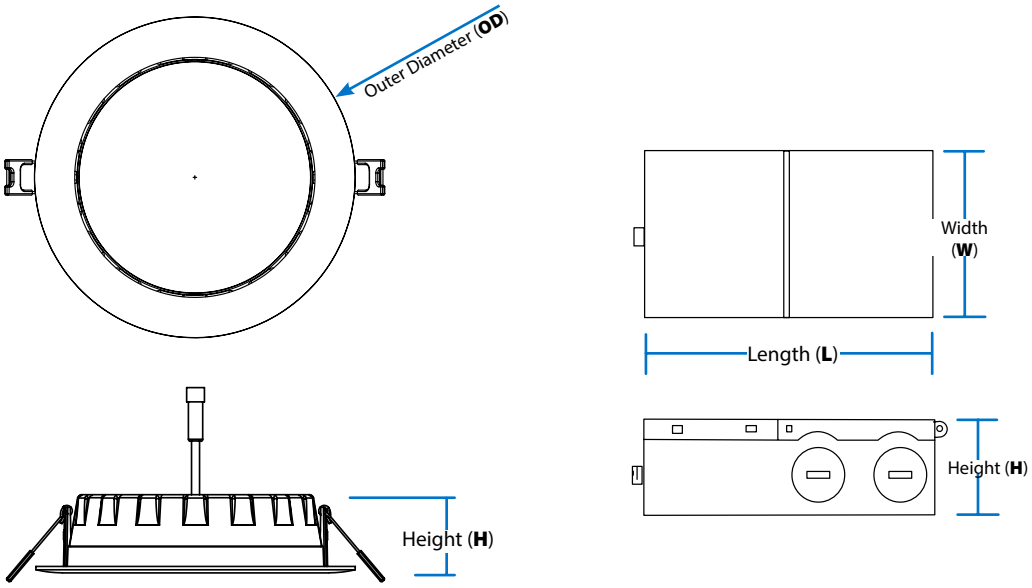
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	344	28.2%
0-40	557	45.7%
0-60	968	79.5%
0-90	1218	100%
90-180	0	0%
0-180	1218	100%

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

Dimensions

Dimensions			
Fixture	Outer Diameter (**OD**)	Fixture Height (**H**)	Driver (**LxWxH**)
RWG6	7.05 in Ø (179mm)	1.73 in (44mm)	4.73 in x 2.77 in x 1.34 in (120mm x 70mm x 34mm)



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.