

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The adjustable LED Gimbal downlighting module is 80% more efficient than incandescent luminaires, performing for 35,000 hours or more with exceptional energy efficiency and near zero maintenance. Multiple trim finish options are available to pick the style that matches the décor for any office or home. The LED Gimbal is intended for sloped ceiling applications, grazing textured surfaces, wall washing, and highlighting artwork or other architectural features. Retrofits into most existing recessed downlighting installations or new construction and remodel applications.

**CONSTRUCTION** — Spun steel gimbal reflectors with 180° of rotation and at least 35° of adjustable tilt in both directions. Driver affixed to a static yoke to allow maximization of LED light engine rotation and pivot movements.

**OPTICS** — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W incandescent flood lamp.

Wide flood beam angle at >90°. Utilizes 3000 K color temperature LEDs. CRI – 83+. The LED module maintains at least 70% light output for 35,000 hours.

**ELECTRICAL** — Primary power disconnect provided for simple connection to a dedicated LED connector in the housing. Dimming down to 15%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

Standard input wattage is 10.8 watts, 57 lumens per watt; equivalent to 65-watt incandescent

**INSTALLATION** — Suitable for installation in standard height rough-in sections. E26 socket adaptor and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance. Trim retention is achieved by utilizing two side-mounted torsion springs to ensure a consistently tight fit with the ceiling and easy installation.

**LISTINGS** — CSA certified to US and Canadian safety standards. ENERGY STAR® certified; California T24 compliant. Damp location listed.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application.

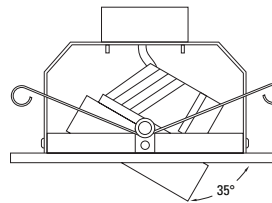
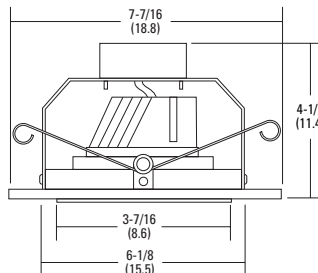
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

### Specifications

|                  |               |
|------------------|---------------|
| Aperture:        | 3-7/16 (8.6)  |
| Ceiling opening: | as rough-in   |
| Length:          | 6-1/8 (15.5)  |
| Height:          | 4-1/2 (11.4)  |
| Overlap trim:    | 7-7/16 (18.8) |

All dimensions are inches (centimeters) unless otherwise indicated.



# 6G1

IC/Non-IC  
Retrofit Gimbal



### ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

**Example:** 6G1MW LED L7XLED T24

| 6G1                         |  | LED                               |                       |                     |   |
|-----------------------------|--|-----------------------------------|-----------------------|---------------------|---|
| Series/Finish               |  | Lamp/Lumen <sup>1</sup>           | Color temperature     | Voltage             | Options   |
| Series                      | Finish   | <b>LED</b> 620 lumens, 10.8 watts | <b>(blank)</b> 3000 K | <b>(blank)</b> 120V |   |
| <b>6G1</b> 6" Gimbal module | <b>MW</b> Matte white<br><b>MB</b> Matte black<br><b>BN</b> Brush nickel<br><b>ORB</b> Oil-rubbed bronze |                                   |                       |                     | <b>L7XLED T24</b> IC/Non-IC rated, new construction rough-in LED base<br><b>L7XRLED T24</b> IC/Non-IC rated, remodel rough-in LED base<br><b>LC6LED T24</b> IC/Non-IC rated, new construction rough-in LED base<br><b>L7X</b> IC/Non-IC rated, new construction rough-in <sup>2</sup><br><b>L7XR</b> IC/Non-IC rated, remodel rough-in <sup>2</sup><br><b>LC6</b> IC/Non-IC rated, new construction rough-in <sup>2</sup> |

| Accessories: Order as separate catalog number. |   |
|--|---|
| TSA6   | Makes non-bracket housings compatible with LED module |
| FL2LED   | Makes L7XF housings compatible with LED module        |



FL2LED  
Fluorescent Adapter Kit

### Notes

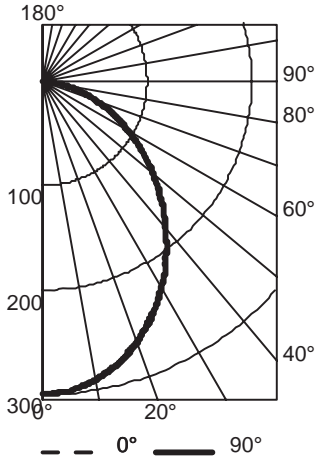
- Total system delivered lumens.
- Must be ordered on separate line.

# 6G1 6" LED Gimbal Module

## PHOTOMETRICS

Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire

6G1MW LED, 3000 K LEDs, input watts: 10.7, delivered lumens: 698, LM/W = 65, test no. LTL23823, tested in accordance with IESNA LM 79-80.



### CP Summary

|     | 0°  | 90° |
|-----|-----|-----|
| 0°  | 299 | 299 |
| 5°  | 296 | 298 |
| 15° | 278 | 280 |
| 25° | 245 | 248 |
| 35° | 204 | 206 |
| 45° | 158 | 160 |
| 55° | 115 | 116 |
| 65° | 73  | 74  |
| 75° | 36  | 36  |
| 85° | 7   | 6   |
| 90° | 0   | 0   |

### Coefficients of Utilization

| ROR | pw  | Coefficients of Utilization |     |     |     |     |     |     |     |  |
|-----|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|--|
|     |     | 80%                         |     |     | 70% |     |     | 50% |     |  |
| pc  | 70% | 50%                         | 30% | 50% | 30% | 10% | 50% | 30% | 10% |  |
| 0   | 119 | 119                         | 119 | 116 | 116 | 116 | 111 | 111 | 111 |  |
| 1   | 110 | 105                         | 101 | 103 | 99  | 96  | 99  | 96  | 93  |  |
| 2   | 100 | 92                          | 86  | 90  | 85  | 80  | 87  | 82  | 78  |  |
| 3   | 92  | 82                          | 74  | 80  | 73  | 67  | 77  | 71  | 66  |  |
| 4   | 84  | 73                          | 64  | 72  | 64  | 58  | 69  | 62  | 57  |  |
| 5   | 78  | 65                          | 57  | 64  | 56  | 50  | 62  | 55  | 50  |  |
| 6   | 72  | 59                          | 51  | 58  | 50  | 44  | 56  | 49  | 44  |  |
| 7   | 67  | 54                          | 45  | 53  | 45  | 39  | 52  | 44  | 39  |  |
| 8   | 62  | 49                          | 41  | 49  | 41  | 35  | 47  | 40  | 35  |  |
| 9   | 58  | 45                          | 37  | 45  | 37  | 32  | 44  | 37  | 32  |  |
| 10  | 55  | 42                          | 34  | 42  | 34  | 29  | 41  | 34  | 29  |  |

### Zonal Lumen Summary

| Zone       | Lumens | % Lamp | % Fixture |
|------------|--------|--------|-----------|
| 0° - 30°   | 221    | 31.6   | 31.6      |
| 0° - 40°   | 350    | 50.1   | 50.1      |
| 0° - 60°   | 578    | 82.7   | 82.7      |
| 0° - 90°   | 699    | 100.0  | 100.0     |
| 90° - 180° | 0      | 0.0    | 0.0       |
| 0° - 180°  | 699    | 100.0  | 100.0     |

| ENERGY DATA*       |                                    |
|--------------------|------------------------------------|
| Lumens             | 620                                |
| Min. starting temp | -18°C (0°F)                        |
| EMI/RFI            | FCC Title 47 CFR, Part 15, Class A |
| Sound rating       | Class A standards                  |
| Input voltage      | 120V                               |
| Min. power factor  | 0.80                               |
| Input frequency    | 50/60 Hz                           |
| Rated wattage      | 10.8W                              |
| Input power        | 10.8W                              |
| Input current      | 0.11A                              |

\*Values at non-dimming line voltage.

Lithonia Lighting

### lighting facts®

A Program of the U.S. DOE

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**Light Output (Lumens)** **620**

**Watts** **10.8**

**Lumens per Watt (Efficacy)** **57**

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**Color Accuracy** **83**

Color Rendering Index (CRI)

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**Light Color** **3000 (Bright White)**

Correlated Color Temperature (CCT)

Warm White    Bright White    Daylight

2700K    3000K    4500K    6500K

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**Warranty\*\*** **Yes**

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

\*\* See [www.lightingfacts.com/products](http://www.lightingfacts.com/products) for details.

Registration Number: JB22-VTHFPZ (8/7/2013)  
Model Number: 6G1 (Updated 7-29-13)  
Type: Recessed downlight.