

| |
|----------------|
| Catalog Number |
| Notes |
| Type |

FEATURES & SPECIFICATIONS

INTENDED USE — Recessed LED kits include housing, trim, and wire connectors in one package. The LED kit is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. The LED kit maintains at least 70% light output for 35,000 hours.

CONSTRUCTION — Steel housing with 3 remodel clips and 3 wire nuts for installation in existing plaster, sheet rock or mechanical ceiling. Heavy-gauge galvanized steel raceway arm. Durable, powder coat paint prevents rust. Easily converts to new construction application using accessories (sold separately). Galvanized steel junction box with three 7/8" knockouts with slots for pryout. Not suitable for pulling wires. Hook & hang snap-on J-box doors for easy access.

Rated for 90°C. Ground wire provided.

Utilizes 3000 K color temperature LEDs.

OPTICS — White gimbal recesses optical system into the ceiling to prevent glare and provide a traditional look. Diffused lens provides even illumination throughout the space.

ELECTRICAL — High-efficiency driver mounted on the module. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 15%. See page 2 for recommended triac dimmers.

Standard input wattage is 8.2W, 64 lumens per watt; equivalent to 50 watt PAR20.

Actual wattage may differ by +/- 5% when operating at 120V +/- 10%.

LISTINGS — CSA certified for use in the US and Canadian safety standards. California T24 compliant. ENERGY STAR® qualified. WSEC ASTM E283 for Air-Tight. Damp location listed.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Note: Specifications subject to change without notice.

LED Recessed Downlighting

LK4G

4" Gimbal LED Recessed Kit

IC/Non-IC

New & Remodel Construction



Specifications

Aperture: 4 (10.2)

Ceiling opening: 4-1/8 (10.5)

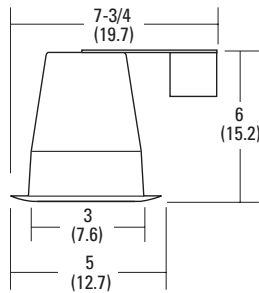
Overlap trim: 4-7/8 (12.4)

Height: 6 (15.2)

Length: 7-3/4 (19.7)

Max. ceiling thickness: 1 (2.54)

All dimensions are inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION

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

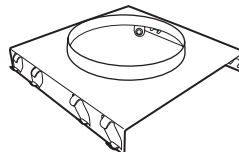
Example: LK4GMW LED

| LK4GMW | | Reflector | | Finish | | LED | | Color temperature | | Voltage | |
|------------|---------------------|-----------|--------|-----------|-------------|--------------------|-----------------|-------------------|--------|----------------|------|
| Series | | | | | | Lamps/CRI/W/Lumens | | | | | |
| LK4 | 4" LED recessed kit | G | Gimbal | MW | Matte white | LED | 93CRI/8.2W/530L | (blank) | 3000 K | (blank) | 120V |

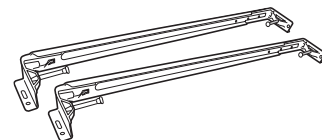
Accessories: Order as separate catalog number.

LKA4P 4" new construction pan

LKABH Hanger bars for conversion to new construction



LKA4P
New construction pan

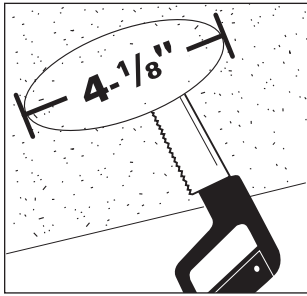


LKABH
Hanger bars

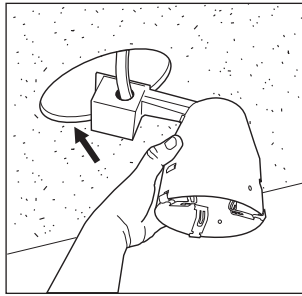
4" Gimbal LED Recessed Downlighting Kit

INSTALLATION

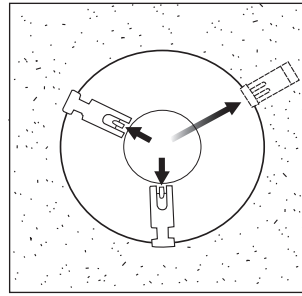
The following instructions are for remodel applications. New construction applications require new construction pan and hanger bars (see accessories).



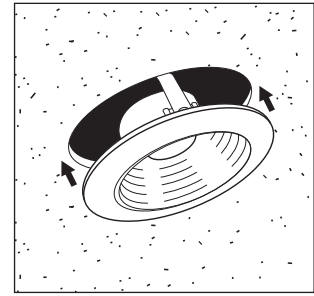
Step 1:
Using provided stencil, trace cutout lines for housing hole on ceiling. Use saw to make appropriate 4-1/8" cutout.



Step 2:
Using provided wire connectors, connect wires (black to black; white to white; ground to ground) and insert housing into ceiling.



Step 3:
Snap (3) springs to secure housing to ceiling.



Step 4:
Insert trim into housing.

DIMMING & ENERGY DATA

| COMPATIBLE DIMMERS* |
|--------------------------|
| Lutron Model No. |
| • MAW-600H-WH |
| • DVW-603PGH-WH |
| • S-600H-WH |
| • S2-LH-WH |
| • DV-600PR-WH |
| • TGLV-600PR-WH |
| • CTCL-153PD |
| • LGCL-153PLH-WH |
| • TGCL-153PH-LA |
| • TG-603PR-WH |
| • S-600PR-WH |
| Leviton Model No. |
| • 6683-1W |
| • 6631-1LT |
| • IPI06-1LT |
| • RPI06 |
| • R22-VPI06-1LW |
| • VPI06-1LT |
| Cooper Model No. |
| • 9530WS-K-L |
| • 9530DS-K-L |
| • 9534WS-K-L |

*Unlisted dimmers do not imply non-compatibility.

| ENERGY DATA* | |
|--------------------|------------------------------------|
| Lumens | 530 |
| CRI | 93 |
| Min. starting temp | -18°C (0°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A standards |
| Input voltage | 120V |
| Min. power factor | 0.80 |
| Input frequency | 50/60 Hz |
| Rated wattage | 8.2W |
| Input power | 8.2W |
| Input current | 0.089A |

*Values at non-dimming line voltage.

LITHONIA LIGHTING

LED lighting facts
A Program of the U.S. DOE

| | |
|------------------------------------|----------------------------|
| Light Output (Lumens) | 530 |
| Watts | 8.2 |
| Lumens per Watt (Efficacy) | 64 |
| Color Accuracy | |
| Color Rendering Index (CRI) | 93 |
| Light Color | |
| Correlated Color Temperature (CCT) | 3000 (Bright White) |
| | |
| 2700K | 3000K |
| 4500K | 6500K |

All results 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.

Visit www.lightingfacts.com for the **Label Reference Guide**.

Registration Number: JB22-E35BLN (8/14/2014)
Model Number: LK4GMW LED [Upgrade : 7/21/2014]
Type: Luminaire - Downlight

4" Gimbal LED Recessed Downlighting Kit

PHOTOMETRICS

Distribution Curve

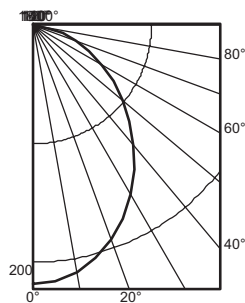
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

LK4GMW LED, 30K, input watts: 8.4, delivered lumens: 507, LM/W = 60, tested in accordance with IESNA LM 63-1995



| Ave Lumens | Zone | Lumens | % Lamp | pf | 80% | | | 20% | | | 50% | | |
|------------|------------|--------|-------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | pc | pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% |
| 0 | 0° - 30° | 219 | 31.6 | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
| 5 | 0° - 40° | 217 | 49.9 | 1 | 105 | 101 | 97 | 102 | 99 | 95 | 98 | 95 | 92 |
| 15 | 0° - 60° | 204 | 81.9 | 2 | 92 | 86 | 80 | 90 | 84 | 79 | 86 | 82 | 77 |
| 25 | 0° - 90° | 180 | 99.1 | 3 | 81 | 74 | 68 | 80 | 73 | 67 | 77 | 71 | 66 |
| 35 | 90° - 120° | 149 | 0.2 | 4 | 73 | 64 | 58 | 71 | 63 | 57 | 69 | 62 | 57 |
| 45 | 90° - 130° | 115 | 0.3 | 5 | 65 | 57 | 50 | 64 | 56 | 50 | 62 | 55 | 49 |
| 55 | 90° - 150° | 82 | 0.5 | 6 | 59 | 50 | 44 | 58 | 50 | 44 | 56 | 49 | 44 |
| 65 | 90° - 180° | 53 | 0.7 | 7 | 54 | 45 | 39 | 53 | 45 | 39 | 51 | 44 | 39 |
| 75 | 0° - 180° | 26 | 506.4 | 8 | 49 | 41 | 35 | 49 | 41 | 35 | 47 | 40 | 35 |
| 85 | | 6 | *99.8 | 9 | 45 | 37 | 32 | 45 | 37 | 32 | 44 | 37 | 32 |
| 90 | | 0 | *Efficiency | 10 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 34 | 29 |

| Mounting Height | Center Beam | Initial FC | | 50% beam - 59.1° | | 10% beam - 103.7° | |
|-----------------|-------------|------------|-----|------------------|-----|-------------------|----|
| | | Diameter | FC | Diameter | FC | Diameter | FC |
| 8.0 | 7.2 | 6.2 | 3.6 | 14.0 | 0.7 | | |
| 10.0 | 3.9 | 8.5 | 1.9 | 19.1 | 0.4 | | |
| 12.0 | 2.4 | 10.8 | 1.2 | 24.2 | 0.2 | | |
| 14.0 | 1.7 | 13.0 | 0.8 | 29.3 | 0.2 | | |
| 16.0 | 1.2 | 15.3 | 0.6 | 34.4 | 0.1 | | |