RL4 LED Retrofit - Downlight

Energy Data - RL4 Series

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage:</td>
<td>120V</td>
</tr>
<tr>
<td>Input Frequency:</td>
<td>50/60Hz</td>
</tr>
<tr>
<td>Input Power:</td>
<td>9.0W-10.5W (Per CRI and CCT)</td>
</tr>
<tr>
<td>Input Current:</td>
<td>0.075A-0.0875A (Per input power)</td>
</tr>
<tr>
<td>Power Factor:</td>
<td>&gt;0.90</td>
</tr>
<tr>
<td>THD:</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>EMI/RFI:</td>
<td>FCC Title 47 CFR, Part 15, Class B (Consumer)</td>
</tr>
<tr>
<td>Sound Rating:</td>
<td>Class A</td>
</tr>
<tr>
<td>Minimum Starting Temp:</td>
<td>-30°C (-22°F)</td>
</tr>
</tbody>
</table>
RA4 LED Retrofit - Adjustable Gimbal

RL4 Features

• 600 Lumens*
• 2700K, 3000K, 3500K Correlated Color Temperature (CCT)
• 80 CRI or 90 CRI
• 9.0W-10.5W (Per CRI and CCT), 120V
• Compatible with many 4” recessed housings: HALO®, All-Pro™ and more
• Flexible mounting with friction blades
• Dimmable to 5% with select dimmers
• Damp and wet location listed (shower rated)
• Rated for IC, ICAT and may be used in Non-IC housings
• AIR-TITE™ certified per ASTM-E283
• Durable die-cast construction
• Field-replaceable driver
• Diffusing, regressed lens
• Five-year limited warranty

*Nominal lumens per CCT and trim finish.

Ordering Information

SAMPLE NUMBER: RL460WH830PK
Complete unit includes RL460 LED and Halo H995 series LED housing, or compatible 4” E26 screw based housing (see: Housing Compatibility). RL4 LED and housing to be ordered separately.

<table>
<thead>
<tr>
<th>RL4 Models</th>
<th>80 CRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL460WH827PK= 4” LED Retrofit Baffle-Trim, 80 CRI, 2700K, Matte White</td>
<td></td>
</tr>
<tr>
<td>RL460SN827PK= 4” LED Retrofit Baffle-Trim, 80 CRI, 2700K, Satin Nickel</td>
<td></td>
</tr>
<tr>
<td>RL460WH830PK= 4” LED Retrofit Baffle-Trim, 80 CRI, 3000K, Matte White</td>
<td></td>
</tr>
<tr>
<td>RL460SN830PK= 4” LED Retrofit Baffle-Trim, 80 CRI, 3000K, Satin Nickel</td>
<td></td>
</tr>
<tr>
<td>RL460WH835PK= 4” LED Retrofit Baffle-Trim, 80 CRI, 3500K, Matte White</td>
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<thead>
<tr>
<th>90 CRI</th>
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<tr>
<td>RL460WH927PK= 4” LED Retrofit Baffle-Trim, 90 CRI, 2700K, Matte White</td>
</tr>
<tr>
<td>RL460SN927PK= 4” LED Retrofit Baffle-Trim, 90 CRI, 2700K, Satin Nickel</td>
</tr>
<tr>
<td>RL460WH930PK= 4” LED Retrofit Baffle-Trim, 90 CRI, 3000K, Matte White</td>
</tr>
<tr>
<td>RL460SN930PK= 4” LED Retrofit Baffle-Trim, 90 CRI, 3000K, Satin Nickel</td>
</tr>
<tr>
<td>RL460WH935PK= 4” LED Retrofit Baffle-Trim, 90 CRI, 3500K, Matte White</td>
</tr>
</tbody>
</table>

Accessories

HE26LED=Replacement screw base adapter (one included with unit)
LED Connector
- Title 24 Compliant

Driver

Heat Sink

Ground Wire

Friction Blades

Trim Ring

Baffle

LED

Lens
RL56 LED Retrofit - Downlight

Energy Data - RL56 Series

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<td>FCC Title 47 CFR, Part 18, Class B (Consumer)</td>
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<td>Class A</td>
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<td>Minimum Starting Temp:</td>
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RL56 Features

- 600 Lumens*
- Use to replace 65W BR30 lamp
- 2700K, 3000K, 3500K Correlated Color Temperature (CCT)
- 80 CRI or 90 CRI
- 9.0V-10.5W (Per CRI and CCT), 120V
- Compatible with 5” and 6” standard and shallow recessed housings: HALO®, All-Pro™ and more
- Flexible mounting with torsion springs or friction clips (included)
- Dimmable to 5% with select dimmers
- Damp and wet location listed (shower rated)
- Rated for IC, ICAT and may be used in Non-IC housings
- AIR-TITE™ certified per ASTM-E283
- Durable die-cast construc
- Field-replaceable driver
- Diffusing, regressed lens
- Five-year limited warranty

*Nominal lumens per CCT and trim finish.

Ordering Information

SAMPLE NUMBER: RL560WH6827
Complete unit includes a RL560 LED and a 5” or 6” compatible housing, ordered separately.

RL56 Series

80 CRI
RL560WH6827= 6” LED Retrofit Baffle - Trim, 80 CRI, 2700K, Matte White
RL560SN6827= 6” LED Retrofit Baffle - Trim, 80 CRI, 2700K, Satin Nickel
RL560WH6830= 6” LED Retrofit Baffle - Trim, 80 CRI, 3000K, Matte White
RL560SN6830= 6” LED Retrofit Baffle - Trim, 80 CRI, 3000K, Satin Nickel
RL560WH6835= 6” LED Retrofit Baffle - Trim, 80 CRI, 3500K, Matte White

90 CRI
RL560WH6927= 5”/6” LED Retrofit Baffle - Trim, 90 CRI, 2700K, Matte White
RL560SN6927= 5”/6” LED Retrofit Baffle - Trim, 90 CRI, 2700K, Satin Nickel
RL560WH6930= 6” LED Retrofit Baffle - Trim, 90 CRI, 3000K, Matte White
RL560SN6930= 6” LED Retrofit Baffle - Trim, 90 CRI, 3000K, Satin Nickel
RL560WH6935= 6” LED Retrofit Baffle - Trim, 90 CRI, 3500K, Matte White

Accessories (order separately)

RL56CLIP=Replacement kit of 5” and 6” Friction Clips for retrofitting into an existing housings without torsion spring receiving brackets. (One set of clips included with the unit.)
OT400P=Oversize Flat White Metal Trim Ring, 6” I.D. x 9-1/4” O.D. (Ring slips behind RL56 ring in stepped configuration.)
OT403P=Oversize White Plastic Trim Ring, 6” I.D. x 8” O.D. (Ring slips behind RL56 ring in stepped configuration.)
TRM690WH=Oversize Matte White Metal Trim Ring. Designed for RL56 ring to inset into oversize ring for an even (non-stepped) trim surface.
HE26LED=Replacement screw base adapter (one included with unit)
Torsion Springs
Edison Base Adapter (included)
LED Connector
LED Connector Splice Box (included)
Driver
Baffle
Trim Ring
LED
Lens
4" Housing Compatibility
RL4 / RA4

LED module is rated for installation in the following 4" HALO®, All-Pro™ and other housings.

**Halo® LED** H995ICAT, H995RICAT
**Halo®** H99ICAT, H99RTAT, H99TAT
**All-Pro™** ET400ATSB, ET400RATSB, EI400ATSB
**Utilitech** CR04ICAT
**Thomas®** PS4
**Lithonia Lighting®** L3, L3R
**Commercial Electric™** HBR2000B
**Juno®** TC1, TC1R
**Progress Lighting®** P830-TG, P832-TG

RL4 comes with a dedicated LED connector for High Efficacy luminaire compliance (California Title 24, International Energy Conservation Code, Washington State Energy Code) and is cULus Listed for installation with HALO recessed LED housings (**H995ICAT, H995RICAT**).

The RL4 also includes an E26 Edison screw base adapter to accommodate many industry standard screw base housings. The series is cULus Listed and UL Classified for retrofit in HALO®, All-Pro™ and other housings.
5" Housing Compatibility
RL56 / RA56

LED module is rated for installation in the following 5" and 6" HALO®, All-Pro™ and other housings.

**Halo® LED**
- H2750ICAT, H750ICAT, H750T, H750TCP, H750RICAT, H750RINTD010, H550ICAT, H550RICAT
- H7ICT, H7ICAT, H7T, H7ICATNB, H7ICTNB, H7TNB, H7UICAT, H7TCP, H7RICAT, H7RICT, H7RT, H27T, H27RT, H27ICAT, H27ICT, H27RICT, H5T, H5RT, H5TM, H5ICAT, H5RICAT, H25ICAT

**Halo® LED Retrofit**
- ML7BXRFK, ML7E26RFK

**All-Pro™**
- EI700, EI700AT, EI700ATNB, EI700U, EI700UAT, EI700NB, EI700R, EI700RAT, ET700, ET700R, EI2700, EI2700AT
- EI2700R, ET2700, ET2700R EI500AT, EI500RAT, ET500, ET500R

**Capri Lighting**
- CR1, PR1, QL1, R9ASIC, R5†

**Commercial Electric**
- C7ICA (H3), HBR5ICRAT (H18)

**Elco Lighting®**
- HL7ICA (EL7ICA)

**Juno®**

**Lightolier®**
- 1104ICS†/ICR†/SIC†/SICR†, 1004ICS†/ICR†/SIC†/SICR†, 1104ICX†

**Lithonia Lighting®**
- L7X, L7XP

**Progress®**
- P86TG, P87-AT†

**Thomas®**
- PS1, R9ASIC, PS9RM

**Prescolite®**
- IBXS

1Requires Friction Clips included  
2Requires HALO® ML7RAB (order separately)

Juno®, Capri Lighting, Lightolier®, Lithonia Lighting®, Thomas® Lighting, Elco Lighting®, Progress® Lighting, Prescolite® and Commercial Electric™ and their product brand names, where identified above, are tradenames or trademarks of each respective company and Cooper Lighting makes no representations on these trademarks.
<table>
<thead>
<tr>
<th></th>
<th>Incandescent</th>
<th>RL56 LED</th>
<th>RA56 LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage</td>
<td>65</td>
<td>9.4</td>
<td>10</td>
</tr>
<tr>
<td>Hours of Usage</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Number of Lamps</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Days per Year</td>
<td>365</td>
<td>365</td>
<td>365</td>
</tr>
<tr>
<td>$ per kWh Average</td>
<td>$0.11</td>
<td>$0.11</td>
<td>$0.11</td>
</tr>
<tr>
<td><strong>Total Electricity Cost per Year</strong></td>
<td><strong>$15.66</strong></td>
<td><strong>$2.29</strong></td>
<td><strong>$2.41</strong></td>
</tr>
<tr>
<td>Lamp Life (hours)</td>
<td>2,000</td>
<td>50,000*</td>
<td>50,000*</td>
</tr>
<tr>
<td>Total Electricity Cost</td>
<td>$357.50</td>
<td>$52.25</td>
<td>$55.00</td>
</tr>
<tr>
<td>Number of Replacements</td>
<td>25</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Avg. Cost of Replacement Lamp</td>
<td>$3.99</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Replacement Lamp Cost</strong></td>
<td><strong>$99.75</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>65W BR30</th>
<th>RL56 LED</th>
<th>RA56 LED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual Electricity Savings</strong></td>
<td>$13.37</td>
<td>$13.25</td>
<td></td>
</tr>
<tr>
<td><strong>Lifetime Electricity Savings</strong>*</td>
<td>$305.25</td>
<td>$302.50</td>
<td></td>
</tr>
<tr>
<td><strong>Lifetime Lamp Replacement Savings</strong>*</td>
<td>$99.75</td>
<td>$99.75</td>
<td></td>
</tr>
<tr>
<td><strong>Total Savings</strong>*</td>
<td>$405.00</td>
<td>$402.25</td>
<td></td>
</tr>
</tbody>
</table>

*50,000 hours = 22.83 years at six hours per day
Eaton's AL Series dimmers offer versatile options to set the mood and reduce energy consumption. Visit www.cooperwiringdevices.com/ALSeries for more information.

### Dimmer Features

<table>
<thead>
<tr>
<th></th>
<th>ACCELL (AAL06)</th>
<th>DEVINE (DAL06P)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rapid Start feature</strong></td>
<td>Selectable ON or OFF</td>
<td>Fully adjustable</td>
</tr>
<tr>
<td><strong>Adjustable high-end trim</strong></td>
<td>•</td>
<td></td>
</tr>
<tr>
<td><strong>Adjustable low-end trim</strong></td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>Wiring configurations</strong></td>
<td>Single-pole or multi-location</td>
<td>Single-pole or three-way</td>
</tr>
<tr>
<td><strong>Color change kits</strong></td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

### Note:
The Rapid Start feature is used to ensure the right amount of power boost during start-up. When a dimmer with Rapid Start is turned on from a low dimmer setting, the LED lighting may exhibit a momentary flash. Select dimmer models offer an adjustment of the Rapid Start feature. The user may wish to adjust this setting to reduce the boost and resulting momentary flash. If this capability is desired, the user should select dimmer models designated as "fully adjustable" or "selectable ON or OFF".
RA4 LED Retrofit - Adjustable Gimbal

RA4069xxNFLWH

27 = 2700K
30 = 3000K
RA4069xxWH

27 = 2700K
30 = 3000K
Features

- Adjustable Gimbal for accent, task, grazing and downlighting
  - 35° Tilt
  - Up to 360° rotation
- Beam distribution options
  - NFL - Narrow Flood (25°)
  - VWFL - Very Wide Flood (80°)
- 600 Lumens*
- 2700K, 3000K Correlated Color Temperature (CCT)
- 90 CRI
- 10W, 120V
- Compatible with many 4” recessed housings: HALO®, All-Pro™ and more
- Flexible mounting with friction blades
- Dimmable to 5% with select dimmers
- Damp location listed
- Rated for IC, ICAT and may be used in Non-IC housings
- Durable die-cast construction
- Field-replaceable driver
- Five-year limited warranty

*Nominal lumens per CCT
Qualified and compliant. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

Ordering Information

SAMPLE NUMBER: RA406930WH
Complete unit includes RA4 LED and a compatible 4” housing; ordered separately (see Housing Compatibility).

RA4 Models

<table>
<thead>
<tr>
<th>Very Wide Flood - VWFL Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA406927WH = 4” LED Adjustable Gimbal, 90 CRI, 2700K, White, Very Wide Flood</td>
</tr>
<tr>
<td>RA406930WH = 4” LED Adjustable Gimbal, 90 CRI, 3000K, White, Very Wide Flood</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Narrow Flood - NFL Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA406927NFLWH = 4” LED Adjustable Gimbal, 90 CRI, 2700K, White, Narrow Flood</td>
</tr>
<tr>
<td>RA406930NFLWH = 4” LED Adjustable Gimbal, 90 CRI, 3000K, White, Narrow Flood</td>
</tr>
</tbody>
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Accessories

HE26LED = Replacement screw base adapter (one included with unit)

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<tr>
<td>Input Power:</td>
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</tr>
<tr>
<td>Input Current:</td>
<td>0.085A</td>
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<tr>
<td>Power Factor:</td>
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RA4 LED Retrofit - Adjustable Gimbal

- LED Connector
- Splice Box (included)
- LED Connector
- • Title 24 Compliant
- Edison Base Adapter (included)
- Heat Sink
- Driver
- Ground Wire
- Friction Blades
Trim Ring
Gimbal
LED
Lens

**VWFL**
Very Wide Flood

**NFL**
Narrow Flood
RA56 LED Retrofit - Adjustable Gimbal

RA5609xxNFLWH

27 = 2700K
30 = 3000K
RA5609xxWH
27 = 2700K
30 = 3000K

VERY WIDE FLOOD
Features

- Adjustable Gimbal for accent, task, grazing and downlighting
  - 35° Tilt
  - Up to 360° rotation
- Beam distribution options
  - NFL - Narrow Flood (25°)
  - VWFL - Very Wide Flood (80°)
- 600 Lumens*
- Use to replace 65W BR30 lamp
- 2700K, 3000K Correlated Color Temperature (CCT)
- 90 CRI
- 10W
- Compatible with 5” and 6” standard and shallow recessed housings: HALO®, All-Pro™ and more
- Flexible mounting with torsion springs or friction clips (included)
- Dimmable to 5% with select dimmers
- Damp location listed
- Listed use in IC, ICAT and may be used in Non-IC housings
- Durable die-cast construction
- Field-replaceable driver
- Five-year limited warranty

*Nominal lumens per CCT.
Qualified and compliant. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

Ordering Information

SAMPLE NUMBER: RA560WH827
Complete unit includes a RA56 LED and a 5" or 6" compatible housing; ordered separately (see Housing Compatibility).

RA56 Series

Very Wide Flood - VWFL Models
RA560927WH= 5”/6” LED Adjustable Gimbal, 90CRI, 2700K, White, Very Wide Flood
RA560930WH= 5”/6” LED Adjustable Gimbal, 90CRI, 3000K, White, Very Wide Flood

Narrow Flood - NFL Models
RA560927NFLWH= 5”/6” LED Adjustable Gimbal, 90CRI, 2700K, White, Narrow Flood
RA560930NFLWH= 5”/6” LED Adjustable Gimbal, 90CRI, 3000K, White, Narrow Flood

Accessories (order separately)

HE26LED=Replacement screw base adapter (one included with unit)
RL56CLIP=Replacement kit of 5” and 6” Friction Clips for retrofitting into an existing housing without torsion spring receiving brackets. (One set of clips included with the unit.)
OT400P=Oversize Flat White Metal Trim Ring, 6” I.D. x 9-1/4” O.D. (ring slips behind RA56 ring in stepped configuration)
OT403P=Oversize White Plastic Trim Ring, 6” I.D. x 8” O.D. (ring slips behind RA56 ring in stepped configuration)
TRM690WH=Oversize Matte White Metal Trim Ring. Designed for RA56 ring to inset into oversize ring for an even (non-stepped) trim surface.

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RA56 LED Retrofit - Adjustable Gimbal

- Edison Base Adapter (included)
- LED Connector Splice Box (included)
- LED Connector • Title 24 Compliant
- Driver
- Ground Wire
- Torsion Springs
Eaton’s Cooper Lighting Business
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Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

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