

LED Retrofit Collection
RA and RL Series

HALO



Cooper Lighting

by **EATON**

RL4 LED Retrofit - Downlight



Energy Data - RL4 Series

| | |
|------------------------|--|
| Input Voltage: | 120V |
| Input Frequency: | 50/60Hz |
| Input Power: | 9.0W-10.5W (Per CRI and CCT) |
| Input Current: | 0.075A-0.0875A (Per input power) |
| Power Factor: | >0.90 |
| THD: | <20% |
| EMI/RFI: | FCC Title 47 CFR, Part 15, Class B (Consumer) |
| Sound Rating: | Class A |
| Minimum Starting Temp: | -30°C (-22°F) |

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.

RL4 Models

80 CRI

RL460WH827PK= 4" LED Retrofit Baffle-Trim, 80 CRI, 2700K, Matte White

RL460SN827PK= 4" LED Retrofit Baffle-Trim, 80 CRI, 2700K, Satin Nickel

RL460WH830PK= 4" LED Retrofit Baffle-Trim, 80 CRI, 3000K, Matte White

RL460SN830PK= 4" LED Retrofit Baffle-Trim, 80 CRI, 3000K, Satin Nickel

RL460WH835PK= 4" LED Retrofit Baffle-Trim, 80 CRI, 3500K, Matte White

90 CRI

RL460WH927PK= 4" LED Retrofit Baffle-Trim, 90 CRI, 2700K, Matte White

RL460SN927PK= 4" LED Retrofit Baffle-Trim, 90 CRI, 2700K, Satin Nickel

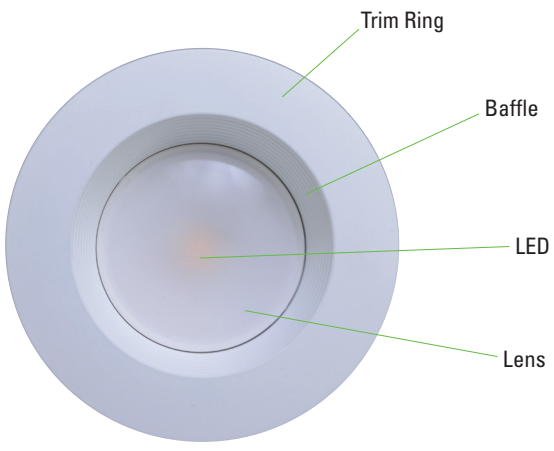
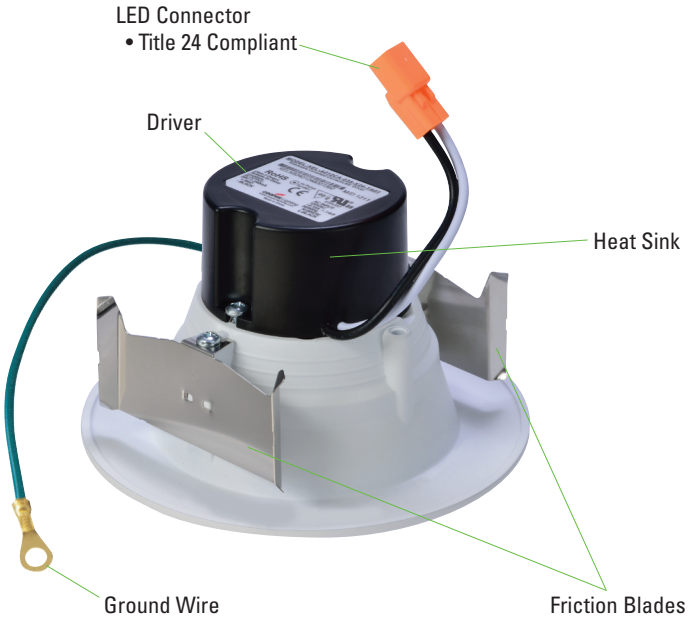
RL460WH930PK= 4" LED Retrofit Baffle-Trim, 90 CRI, 3000K, Matte White

RL460SN930PK= 4" LED Retrofit Baffle-Trim, 90 CRI, 3000K, Satin Nickel

RL460WH935PK= 4" LED Retrofit Baffle-Trim, 90 CRI, 3500K, Matte White

Accessories

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



RL56 LED Retrofit - Downlight



White



Satin Nickel

Energy Data - RL56 Series

| | |
|------------------------|--|
| Input Voltage | 120V |
| Input Frequency | 50/60Hz |
| Input Power | 9.0W-10.5W (Per CRI and CCT) |
| Input Current | 0.075A-0.0875A (Per input power) |
| Power Factor | >0.90 |
| THD | <20% |
| EMI/RFI | FCC Title 47 CFR, Part 18, Class B (Consumer) |
| Sound Rating | Class A |
| Minimum Starting Temp: | -30°C (-22°F) |

RA56 LED Retrofit - Adjustable Gimbal

RL56 Features

- 600 Lumens*
- Use to replace 65W BR30 lamp
- 2700K, 3000K, 3500K Correlated Color Temperature (CCT)
- 80 CRI or 90 CRI
- 9.0W-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

RL560WH 6930= 6" LED Retrofit Baffle - Trim, 90 CRI, 3000K, Matte White

RL560SN6930= 5"/6" LED Retrofit Baffle - Trim, 90 CRI, 3000K, Satin Nickel

RL560WH6935= 6" LED Retrofit Baffle - Trim, 90 CRI, 3500K, Matte White

Accessories (order separately)

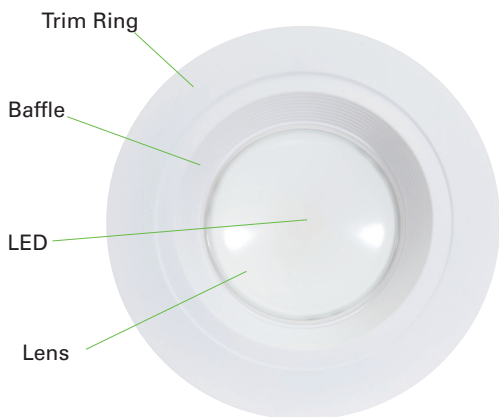
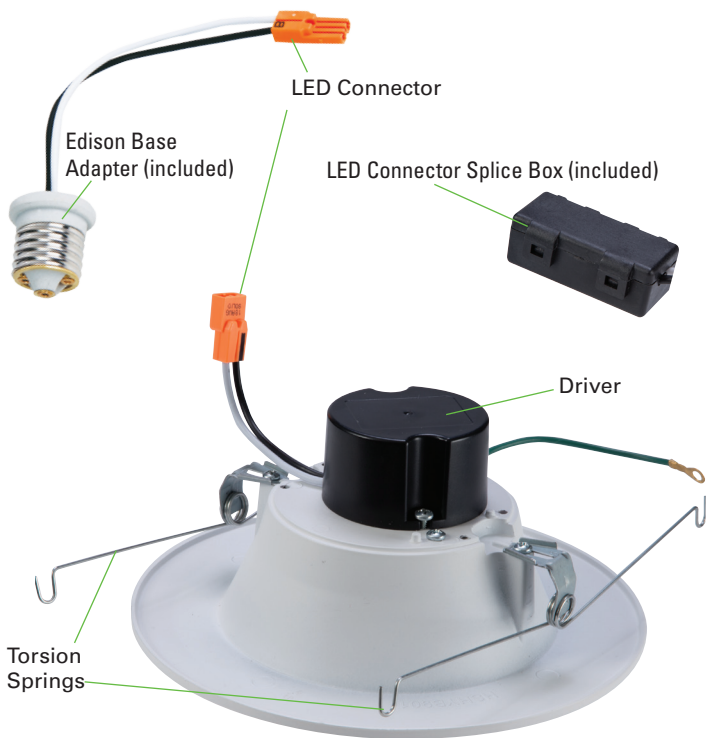
RL56CLIP=Replacement kit of 5" and 6" Friction Clips for retrofitting into an existing housings without torsion spring receiving brackets. (One set of clips included with the unit.)

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)



4" Housing Compatibility

RL4 / RA4



H995ICAT

4" LED, IC, AIR-TITE,
New Construction Housing



H995RICAT

4" LED, IC, AIR-TITE,
Remodel Housing

**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.

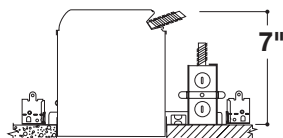
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5" Housing Compatibility

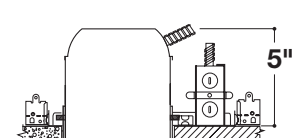
RL56 / RA56

Rated for IC, ICAT and Non-IC Housings

Fits standard height
recessed housings



Fits shallow height
recessed housings



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

**Halo® H7ICT, H7ICAT, H7T, H7ICATNB, H7ICTNB, H7TNB,
H7UICAT, H7UICT, H7TCP, H7RICAT, H7RICT, H7RT,
H27T, H27RT, H27ICAT, H27ICT, H27RI-
CAT, 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® IC22/R/W/S, IC23/W, IC21/R, IC2, TC2/R,
IC20/R, IC25/R/W/S, TC20/R

Lightolier® 1104ICS†/ICR†/SIC†/SICR†,
1004ICS†/ICR†/SIC†/SICR†, 1104ICX^Δ

Lithonia Lighting® L7X, L7XP

Progress® P86TG, P87-AT†

Thomas® PS1, R9ASIC, PS9RM

Prescolite® IBXS

[†]Requires Friction Clips included

^ΔRequires HALO® ML7RAB (order separately)

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Savings

RL56 / RA56

\$400
OVER
SAVINGS
 over the life of the RL56 LED

| | 65W BR30 Incandescent | RL56 LED | RA56 LED |
|---|----------------------------------|---------------------|---------------------|
| Wattage | 65 | 9.4 | 10 |
| Hours of Usage | 6 | 6 | 6 |
| Number of Lamps | 1 | 1 | 1 |
| Days per Year | 365 | 365 | 365 |
| \$ per kWh Average | \$0.11 | \$0.11 | \$0.11 |
| Total Electricity Cost per Year | \$15.66 | \$2.29 | \$2.41 |
| Lamp Life (hours) | 2,000 | 50,000* | 50,000* |
| Total Electricity Cost | \$357.50 | \$52.25 | \$55.00 |
| Number of Replacements | 25 | 0 | 0 |
| Avg. Cost of Replacement Lamp | \$3.99 | \$0 | \$0 |
| Replacement Lamp Cost | \$99.75 | \$0 | \$0 |
| Annual Electricity Savings | | \$13.37 | \$13.25 |
| Lifetime Electricity Savings* | | \$305.25 | \$302.50 |
| Lifetime Lamp Replacement Savings* | | \$99.75 | \$99.75 |
| Total Savings* | | \$405.00 | \$402.25 |

*50,000 hours = 22.83 years at six hours per day

Complete Lighting Controls Solutions

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 | ACCELL (AAL06) | DEVINE (DAL06P) |
|--------------------------|-------------------------------|--------------------------|
| Rapid Start feature | Selectable ON or OFF | Fully adjustable |
| Adjustable high-end trim | • | |
| Adjustable low-end trim | • | • |
| Wiring configurations | Single-pole or multi-location | Single-pole or three-way |
| Color change kits | • | • |



| Dimmer Features | SKYE (SAL06P) | TRACE (TAL06P) |
|--------------------------|--------------------------|--------------------------|
| Rapid Start feature | Fixed ON | Fully adjustable |
| Adjustable high-end trim | | |
| Adjustable low-end trim | • | • |
| Wiring configurations | Single-pole or three-way | Single-pole or three-way |
| Color change kits | | • |

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



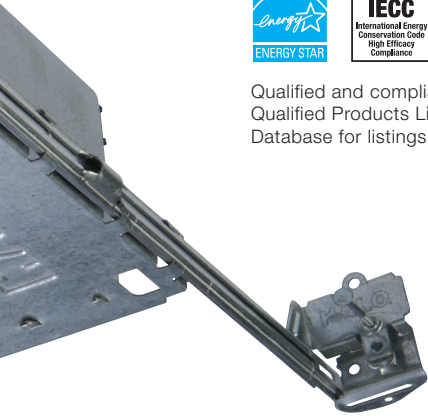
Features

- 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

Very Wide Flood - VWFL Models

RA406927WH= 4" LED Adjustable Gimbal, 90 CRI, 2700K, White, Very Wide Flood

RA406930WH= 4" LED Adjustable Gimbal, 90 CRI, 3000K, White, Very Wide Flood

Narrow Flood - NFL Models

RA406927NFLWH= 4" LED Adjustable Gimbal, 90 CRI, 2700K, White, Narrow Flood

RA406930NFLWH= 4" LED Adjustable Gimbal, 90 CRI, 3000K, White, Narrow Flood

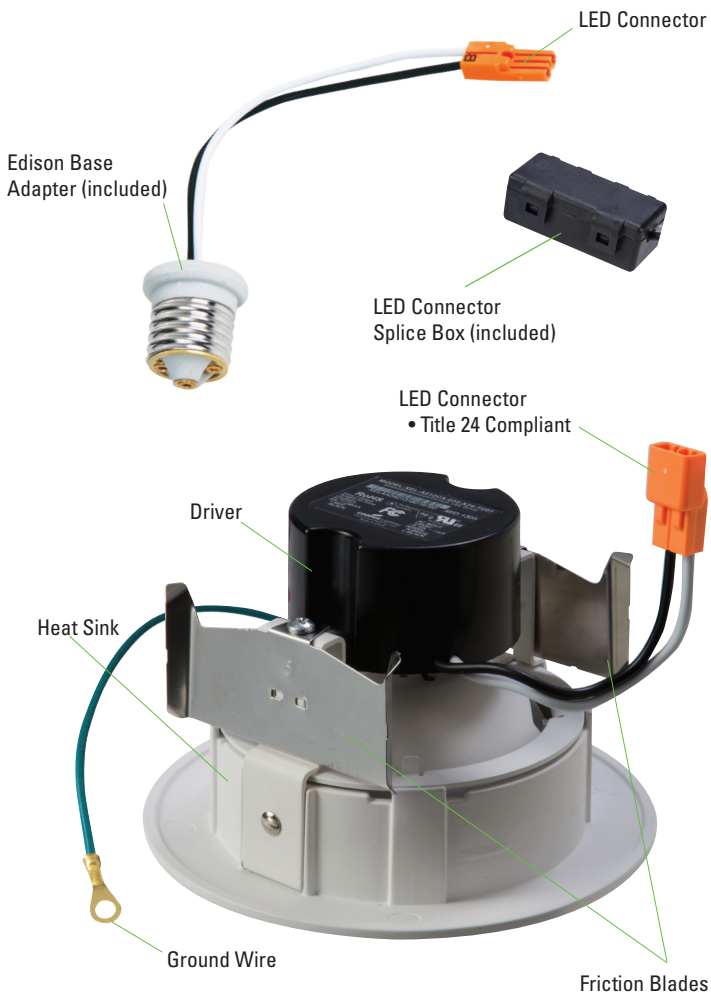
Accessories

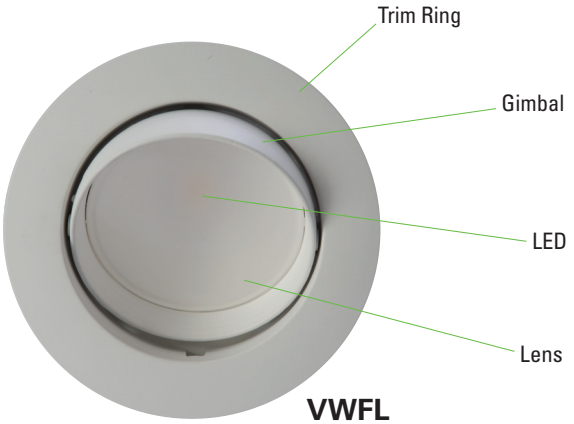
HE26LED=Replacement screw base adapter (one included with unit)

Energy Data

| | |
|------------------------|---|
| Input Voltage: | 120V |
| Input Frequency: | 50/60Hz |
| Input Power: | 10W |
| Input Current: | 0.085A |
| Power Factor: | >0.90 |
| THD: | <20% |
| EMI/RFI: | FCC Title 47 CFR, Part 15, Class B (Consumer) |
| Sound Rating: | Class A |
| Minimum Starting Temp: | -30°C (-22°F) |

RA4 LED Retrofit - Adjustable Gimbal





VWFL
Very Wide Flood



NFL
Narrow Flood

RA56 LED Retrofit - Adjustable Gimbal



RA5609xxNFLWH

└─ 27 = 2700K
 30 = 3000K



RA5609xxWH

└ 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*
- 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: RA560WH6827

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)

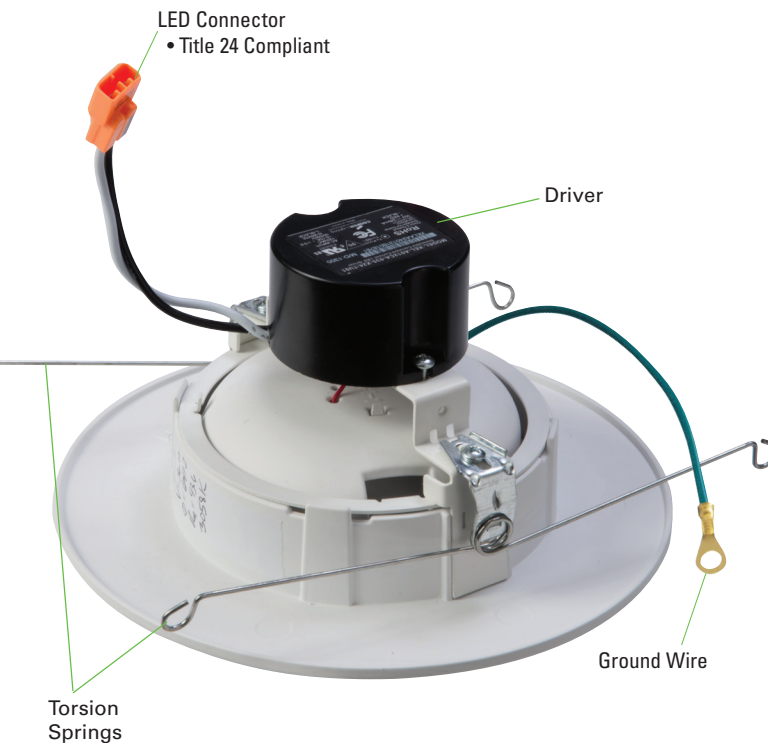
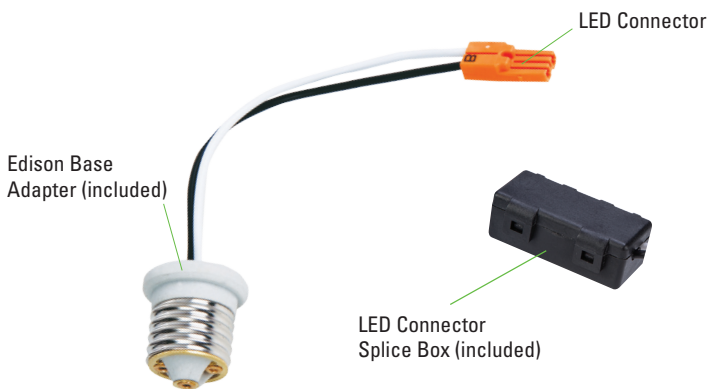
OT403P=Oversize White Plastic Trim Ring, 6" I.D. x 8" O.D. (ring slips behind RA56 ring in stepped configuration)

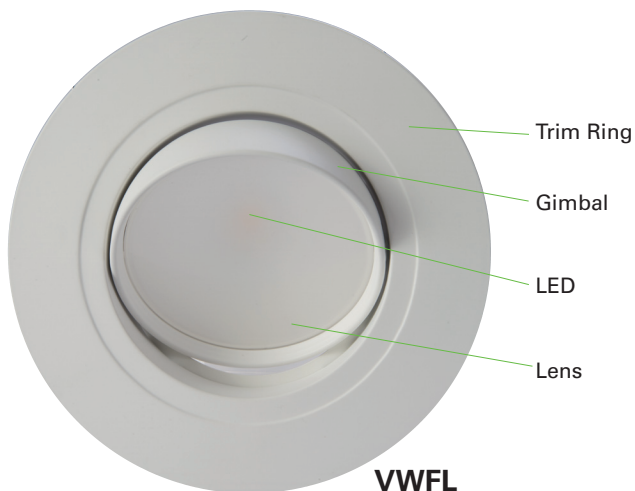
TRM690WH=Oversize Matte White Metal Trim Ring. Designed for RA56 ring to inset into oversize ring for an even (non-stepped) trim surface.

Energy Data

| | |
|------------------------|---|
| Input Voltage | 120V |
| Input Frequency | 50/60Hz |
| Input Power | 10W |
| Input Current | 0.085A |
| Power Factor | >0.90 |
| THD | <20% |
| EMI/RFI | FCC Title 47 CFR, Part 18, Class B (Consumer) |
| Sound Rating | Class A |
| Minimum Starting Temp: | -30°C (-22°F) |

RA56 LED Retrofit - Adjustable Gimbal





VWFL
Very Wide Flood



NFL
Narrow Flood

Eaton's Cooper Lighting Business

Headquarters

1121 Highway 74 South
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

Our Lighting

Product Brands

Halo

Halo Commercial

Portfolio

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Corelite

Neo-Ray

Fail-Safe

MWS

Ametrix

Shaper

io

Lumark

McGraw-Edison

Invue

Lumière

Streetworks

AtLite

Sure-Lites

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Product Brands

Greengate

iLumin

Zero 88

Fifth Light Technology

iLight (International Only)

Eaton

1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Eaton's Cooper Lighting Business

1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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