| Project | | Catalog # | | Type | |
|---|---|---|---|---|---|
| Prepared by | | Notes | | Date | |

# HALO

## RL3 | Selectable CCT

3-inch All-purpose LED retrofit module with SeleCCTable switch

**Typical Applications**
Residential

## 🖱 Interactive Menu

## Product Certification

ENERGY STAR

Can be used for **IECC** International Energy Conservation Code High Efficacy Compliance

**Efficiency Standards T24** Can be used to comply with 2016 Title 24 Part 6 LED Enclosed Light Source Requirements (JA8)

UL CERTIFIED

RoHS COMPLIANT

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
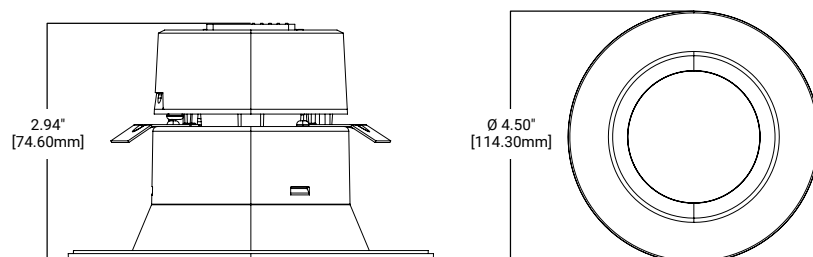Certified to California Appliance Efficiency Database under JA8.

## Product Features

5 seleCCTable colors
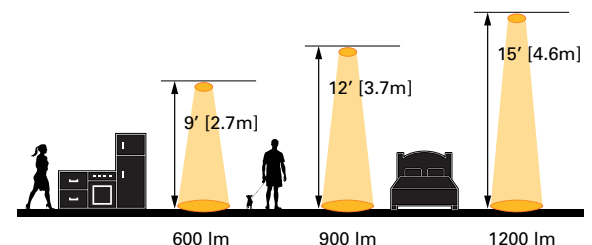2700K • 3000K • 3500K
4000K • 5000K

airisse

Showerlight

## Top Product Features

- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT; 90 CRI
- Lumens: 500
- Use with 3" housings with screwbase adapter included
- Dimmable down to 5%
- Friction blade mounting

## Dimensional and Mounting Details

2.94" [74.60mm]

Ø 4.50" [114.30mm]

## Scale

15' [4.6m]

12' [3.7m]

9' [2.7m]

600 lm          900 lm          1200 lm

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## Order Information

SAMPLE ORDER NUMBER: **RL3059FS1EWHR**

A complete luminaire consists of a housing, and LED module, order separately.

| Models | Lumens | CRI/CCT | Driver | Finish | Packaging |
|---|---|---|---|---|---|
| **Models** | **Lumens** | **CRI/CCT** | **Driver** | **Finish** | **Packaging** |
| **RL3** = 3-Inch all-purpose retrofit LED module | **05** = 500 lumens (nominal) | **9FS** = 90 CRI minimum, field selectable CCT (2700K, 3000K, 3500K, 4000K, 5000K) | **1E** = 120V 60Hz, LE & TE phase cut 5% dimming | **WH** = white flange | **R** = Recyclable 4-color unit carton suitable for point of purchase merchandising display |
| **Notes** | **Notes** | **Notes** | **Notes** | **Notes** | **Notes** |

| Accessories (order separately) | Housing Compatibilty |
|---|---|

| Accessories (order separately) |
|---|
| **Designer Trims** <br> **RL3TRMMW** = 3" decorative overlay, matte white <br> **RL3TRMMBB** = 3" decorative overlay, matte black <br> **RL3TRMSN** = 3" decorative overlay, satin nickel <br> **RL3TRMTBZ** = 3" decorative overlay, tuscan bronze |
| **Notes** |

| Compatible Halo LED Housings with LED luminaire connector |
|---|
| **Halo LED 3-inch** <br> **H35ICAT** = 3" LED, Shallow Recessed New Construction Housing <br> **H35RICAT** = 3" LED, Shallow Recessed Remodel Housing <br> **H350FR2ICAT** = 3" LED 2 Hour Fire Rated New Construction Housing, ICAT, 10W |



**RL3TRMMW**
White (Paintable), Splay



**RL3TRMMB**
Matte Black, Splay



**RL3TRMSN**
Satin Nickel, Splay



**RL3TRMTBZ**
Tuscan Bronze, Splay

## Product Specifications

### CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT

### Module – Trim
- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring
- Regressed baffle
- Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments

### LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation
- 90 CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

### Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

### Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- See Dimming Guide for compatible dimmers

### Retention
- Push-N-Twist universal installation clips
- Clips are pre-installed and designed to fit 3" compatible recessed housings

### Decorative Overlays (sold separately)
- RL3 decorative overlays are accessory rings that attach to the RL3 for a permanent finish. Refer to the RL3 accessories specification sheet for details.
- Matte white
- Satin nickel
- Tuscan bronze

### Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking
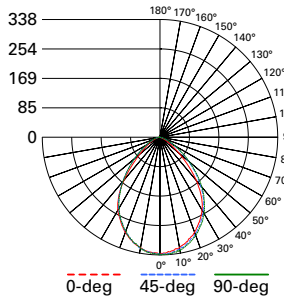
### Compliance
- UL Certified
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance
- ENERGY STAR® listed, reference database for current listings

### Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty

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## Photometric Data

**RL3059FS1EWH-3000K**

Spacing criterion:  (0-180) 1.1
(90-270) 1.11
(Diagonal) 1.16

Beam Angle: 80°
Field Angle: 125°
Lumens: 573
Input Watts: 7.17 W
Efficacy: 80 LPW
Test Report:
RL3059FS1EWH.ies

0-deg    45-deg    90-deg

| Zonal Lumen | Lumens | % Lumens |
|---|---|---|
| 0-30 | 242 | 42.2 |
| 0-40 | 372 | 64.9 |
| 0-60 | 532 | 92.8 |
| 0-90 | 573 | 100 |

| TM-30-15 | Rf = 95 |
|---|---|
| | Rg = 100 |
| CRI/CIE | Ra = 96 |
| | R9 = 65 |

CCT - Range of 2700K- 5000K

warm ← → cool

80°

## Energy and Performance Data

| RL3059FS1EWHR | |
|---|---|
| Max. Lumens | 581 @ 4000K |
| Input Voltage | 120V |
| Input Frequency | 50/60 Hz |
| Input Power | 7.4W |
| Input Current | 0.078A |
| 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) |

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