

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



# HALO

## LT4 4" Recessed Baffle LED Trims

These LT LED Trims are ideal for quickly installing energy-saving downlighting in 4" recessed housings. The LT Series offers 5-color seleCCTable™ technology with flicker-free dimming to 10%. The safe, non-conductive dead-front trims come in baffle or smooth splay options. Decorative overlays are also available in 4 finishes.

**Typical Applications** Residential

### Interactive Menu

- Order Information page 2
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- Dimming Guide

### Product Certification



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 JAS.

### Product Features

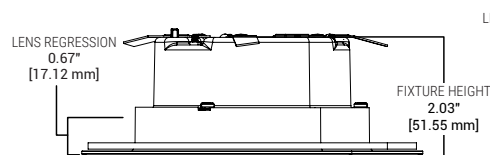


### Top Product Features

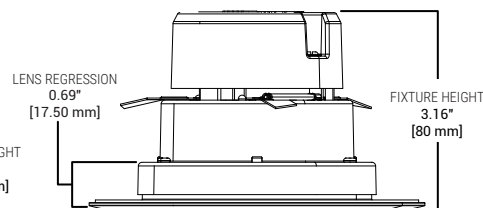
- Round 4" Recessed LED module / trim suitable for new construction, remodel, and retrofit installation in most 4" IC (insulation contact) or non-IC housings
- Lens & Trim: Recessed baffle or smooth splay trims with smooth flat diffuse lens
- 5-Color Field-SeleCCTable: 2700K, 3000K, 3500K, 4000K, 5000K; 90+ CRI
- Brightness: 600 or 900 lumen versions (nominal)
- Dimming: Dims to 10% (phase cut LE/TE); 120V input
- Includes preinstalled Push-N-Twist universal installation clips, orange LED Quick Connect, and E26 medium socket adapter
- Meets AIR-TITE and code compliance for additional energy savings
- Life: 35,000 hrs of maintenance-free operation in damp or wet locations
- 5-year warranty

### Dimensional and Mounting Details

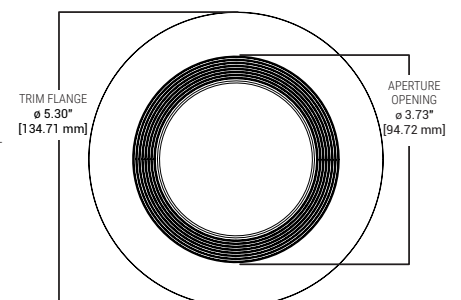
Package includes: E26 Screw Base Adapter  
Installs in 4" housings



LT4 -600 Lumen



LT4 -900 Lumen



## Order Information

SAMPLE ORDER NUMBER: **LT4069FS1EWHR**

A complete downlight consists of an integrated LED trim and a recessed housing (order separately).

### Individuals

| Catalog Number  | Module                                | Lumens    | CRI/CCT  | Finish      | Packaging  |
|-----------------|---------------------------------------|-----------|--|-------------|------------|
| LT4069FS1EWHR   | 4-inch Recessed Baffle LED Trim       | 650 lumen | 90+ CRI, field selectable CCT: 2700K, 3000K, 3500K, 4000K, 5000K | Matte White | Recyclable |
| LTSS4069FS1EWHR | 4-inch Recessed Smooth Splay LED Trim | 650 lumen | 90+ CRI, field selectable CCT: 2700K, 3000K, 3500K, 4000K, 5000K | Matte White | Recyclable |
| LT4099FS1EWHR   | 4-inch Recessed Baffle LED Trim       | 900 lumen | 90+ CRI, field selectable CCT: 2700K, 3000K, 3500K, 4000K, 5000K | Matte White | Recyclable |

### Multi-packs

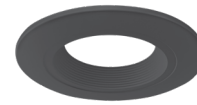
| Catalog Number   | Module                          | Lumens    | CRI/CCT  | Finish      | Packaging          |
|------------------|---------------------------------|-----------|--|-------------|--------------------|
| LT4069FS1EWHR4PK | 4-inch Recessed Baffle LED Trim | 650 lumen | 90+ CRI, field selectable CCT: 2700K, 3000K, 3500K, 4000K, 5000K | Matte White | 4 pack, Recyclable |
| LT4069FS1EWHR6PK | 4-inch Recessed Baffle LED Trim | 650 lumen | 90+ CRI, field selectable CCT: 2700K, 3000K, 3500K, 4000K, 5000K | Matte White | 6 pack, Recyclable |

### Optional Accessories - Decorative Baffle Trim Overlays (sold separately)

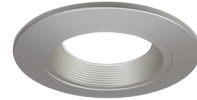
| Catalog Number | Description   |
|----------------|---|
| LT40MWB        | 4-inch Overlay, Paintable Matte White                                       |
| LT40MBB        | 4-inch Overlay, Matte Black   |
| LT40SNB        | 4-inch Overlay, Satin Nickel  |
| LT40TBZ        | 4-inch Overlay, Tuscan Bronze   |
| HE26LED        | Replacement medium E26 screw base adapter (1 is already included with unit) |



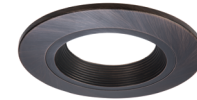
LT40MWB  
White (Paintable),  
Baffle



LT40MBB  
Matte Black,  
Baffle



LT40SNB  
Satin Nickel,  
Baffle



LT40TBZ  
Tuscan Bronze,  
Baffle

## Compatible Housings

### HALO - 4" Housings<sup>1</sup>

|                      |   |
|----------------------|---|
| HALO LED             | H45ICAT, H45RICAT   |
| Standard Housings    | H99ICAT, H99RTAT, H99TAT, H995ICAT, H995RICAT, H99T, H99RT, H99ICT, E4ICATSB, E4TATSB, E4RTATSB |
| Shallow Housings     | H245ICAT, H245RICAT   |
| Fire Rated Housings  | H450FR2ICAT, H450FR2ICATD010  |
| Junction Box Housing | JB4FR2  |

<sup>1</sup> This fixture is UL Certified for use with any 4" diameter recessed luminaire constructed of steel or aluminum with an internal volume that exceeds 62.3 in<sup>3</sup> addition to those noted below and does not exceed the input rating of the luminaire.

## Specification Features

### Module

- The LED module consists of an LED array, optical assembly, driver, and self-flanged trim
- Round recessed baffle or smooth splay trim and smooth flat lens
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 35,000 hrs in IC (insulation contact) and non-IC applications

### LED Array

- Color Temperature (CCT): Available in 5-color select CCT: 2700K, 3000K, 3500K, 4000K, 5000K (soft white, bright white, neutral white, cool white, daylight)
- Mid-power LED array provides a uniform light source with high efficiency, long life, and no pixilation
- 90+ CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints provides color consistency and uniformity

### Optical Assembly

- Optical assembly provides wide light distribution – useful for general area and task lighting
- Diffuse injection molded lens with smooth flat profile
- Meets ENERGY STAR® color angular uniformity requirements

### Driver

- Integral 120V 60Hz constant current driver provides noise-free, high-efficiency operation
- Dimmable: Continuous, flicker-free dimming from 100% to 10% with compatible leading or trailing edge (LE/TE) 120V phase cut dimmers. (See Dimming Guide for compatible dimmers.)
- Tip: For optimal dimming performance, consider dimmers with low-end trim adjustment; note that some dimmers require a neutral wire in the box
- Wiring: Includes inline electrical orange LED Quick Connect and E26 medium socket adapter provides mains connections
- A separate ground wire and mounting hardware ensures proper ground connection to housing

### Retention

- Push-N-Twist universal installation clips are pre-installed and designed to fit compatible 4" recessed housings

### Trim

- The one-piece step baffle or smooth splay and self-flanged trim ring provide lens regression and reduced light leaks
- Injection molded plastic construction is impact-resistant and non-corrosive
- Non-conductive construction meets most local dead-front code requirements

### Gaskets

- Due to the HALO LT/LTE design, a gasket is not required to achieve AIR-TITE code requirements (caulking can be used for additional sealing if necessary for local code)

### Compliance

- UL-Certified for US and Canada, type IC suitable for direct contact with air permeable insulation
- UL-Certified for US and Canada for use with HALO housings, classified for use with others' housings; see instruction sheet for conditions of acceptability
- Wet location-listed and IP66 ingress protection-rated
- Airtight per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC47CFR Part 15 consumer limits
- Contains no mercury or lead and is 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; reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings
- ENERGY STAR® listed; reference database for current listings
- Meets State of California voluntary lamp standards
- Lighting Facts labeled

### Warranty

- Five year limited warranty, consult website for details. [www.cooperlighting.com/warranty](http://www.cooperlighting.com/warranty)

## Energy Data

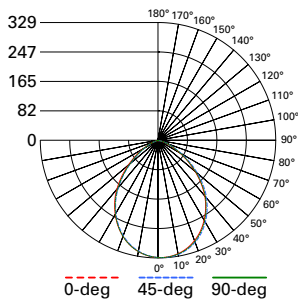
### LT4 DOB - 600 Lumen

|               |                 |
|---------------|-----------------|
| Lumens        | 600             |
| Input Voltage | 120V            |
| Input current | 0.067A          |
| Input Power   | 8W              |
| Efficiency    | 63.30%          |
| Inrush(A)     | 3.7             |
| THD           | 26.10%          |
| PF            | 0.965           |
| T Ambient     | -30 - +40°C     |
| Sound Rating  | 18.155db @1feet |

### LT4 - 900 Lumen

|               |              |
|---------------|--------------|
| Lumens        | 900          |
| Input Voltage | 120V         |
| Input current | 0.08A        |
| Input Power   | 9.4W         |
| Efficiency    | 83.00%       |
| Inrush(A)     | 1.68         |
| THD           | 16%          |
| PF            | 0.97         |
| T Ambient     | -30 - +40°C  |
| Sound Rating  | 19.8db @30cm |

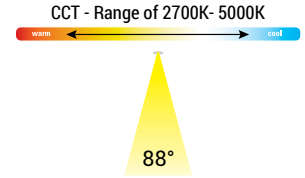
## Photometric Data



**LT4069FS1EWHR-3000K**  
 Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.26  
 Beam Angle: 93.4°  
 Field Angle: 140.8°  
 Lumens: 699.6  
 Input Watts: 7.7 W  
 Efficacy: 90.9 LPW  
 UGR: 25.4  
 Test Report: P798553

| Zonal Lumen | Lumens | % Lumens |
|-------------|--------|----------|
| 0-30        | 245.7  | 35.1     |
| 0-40        | 391.4  | 55.9     |
| 0-60        | 624.9  | 89.3     |
| 0-90        | 699.2  | 99.9     |

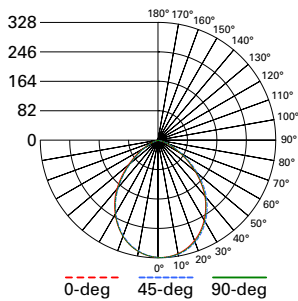
|          |          |
|----------|----------|
| TM-30-15 | Rf = 92  |
|          | Rg = 101 |
| CRI/CIE  | Ra = 93  |
|          | R9 = 83  |



| LT4 5CCT |       |        |      |     |
|----------|-------|--------|------|-----|
| CCT      | Watts | lumens | LPW  | CRI |
| 2700K    | 7.5   | 650    | 86.7 | 93  |
| 3000K    | 7.7   | 700    | 90.9 | 93  |
| 3500K    | 7.0   | 685    | 97.9 | 93  |
| 4000K    | 7.5   | 685    | 91.3 | 93  |
| 5000K    | 7.5   | 675    | 90.0 | 93  |

### LT4069FS1EWHR-3000K

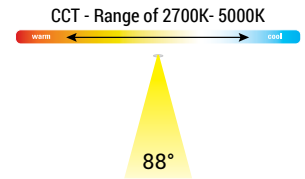
| PRODUCT SPECIFICATIONS   |       |
|--|-------|
| Lumens   | 700   |
| Watts  | 7.7   |
| Lumens Per Watt (Efficacy)   | 90.9  |
| Color Accuracy (CRI)   | 93    |
| Light Color (CCT)  | 3000K |
| Correlated Color Temperature (CCT)   |       |
|  |       |
| warm white      soft white      bright white<br>2700K      3000K      4500K      5000K |       |



**LTSS4069FS1EWHR-3000K**  
 Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.26  
 Beam Angle: 92.8°  
 Field Angle: 139.2°  
 Lumens: 689.5  
 Input Watts: 7.8 W  
 Efficacy: 88.4 LPW  
 UGR: 25.0  
 Test Report: P798558

| Zonal Lumen | Lumens | % Lumens |
|-------------|--------|----------|
| 0-30        | 247.3  | 35.9     |
| 0-40        | 392.7  | 57.0     |
| 0-60        | 621.7  | 90.2     |
| 0-90        | 689.1  | 99.9     |

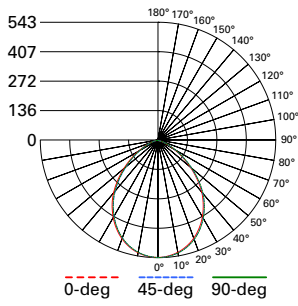
|          |           |
|----------|-----------|
| TM-30-15 | Rf = 92   |
|          | Rg = 101  |
| CRI/CIE  | Ra = 93   |
|          | R9 = 83.8 |



| LT4 5CCT |       |        |      |     |
|----------|-------|--------|------|-----|
| CCT      | Watts | lumens | LPW  | CRI |
| 2700K    | 7.5   | 655    | 87.3 | 93  |
| 3000K    | 7.8   | 690    | 88.5 | 93  |
| 3500K    | 7.5   | 690    | 92.0 | 93  |
| 4000K    | 7.5   | 690    | 92.0 | 93  |
| 5000K    | 7.5   | 680    | 90.7 | 92  |

### LTSS4069FS1EWHR-3000K

| PRODUCT SPECIFICATIONS   |       |
|--|-------|
| Lumens   | 690   |
| Watts  | 7.8   |
| Lumens Per Watt (Efficacy)   | 88.5  |
| Color Accuracy (CRI)   | 93    |
| Light Color (CCT)  | 3000K |
| Correlated Color Temperature (CCT)   |       |
|  |       |
| warm white      soft white      bright white<br>2700K      3000K      4500K      5000K |       |



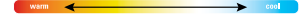
### LT4099FS1EWHR\_3000K

Spacing criterion:  
 (0-180) 1.16 | (90-270) 1.18 |  
 (Diagonal) 1.22  
 Beam Angle: 88.4°  
 Field Angle: 135.4°  
 Lumens: 1066  
 Input Watts: 9.1 W  
 Efficacy: 117 LPW  
 UGR: 26 (max)  
 Test Report: P600896

| Zonal Lumen | Lumens | % Lumens |
|-------------|--------|----------|
| 0-30        | 402.3  | 37.7     |
| 0-40        | 631.7  | 59.3     |
| 0-60        | 968.2  | 90.8     |
| 0-90        | 1065.1 | 99.9     |

|          |           |
|----------|-----------|
| TM-30-15 | Rf = 92   |
|          | Rg = 103  |
| CRI/CIE  | Ra = 96.5 |
|          | R9 = 84.5 |

CCT - Range of 2700K- 5000K



88°

| LT4 5CCT |       |        |       |     |
|----------|-------|--------|-------|-----|
| CCT      | Watts | lumens | LPW   | CRI |
| 2700K    | 9.6   | 965    | 100.5 | 93  |
| 3000K    | 9.5   | 1030   | 108.4 | 93  |
| 3500K    | 9.3   | 1065   | 114.5 | 93  |
| 4000K    | 9.5   | 1065   | 112.1 | 93  |
| 5000K    | 9.6   | 1000   | 104.2 | 93  |

### LT4099FS1EWHR\_3000K

| PRODUCT SPECIFICATIONS             |            |
|------------------------------------|------------|
| Lumens                             | 1030       |
| Watts                              | 9.5        |
| Lumens Per Watt (Efficacy)         | 108.4      |
| Color Accuracy (CRI)               | 93         |
| Light Color (CCT)                  | 3000K      |
| Correlated Color Temperature (CCT) |            |
|                                    |            |
| warm white                         | soft white |
| 2700K                              | 3000K      |
| 4500K                              | 6500K      |