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

LT4

LT4
High Lumen

🔗 Interactive Menu

- Order Information page 2
- Product Specifications page 3
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- Photometric Data page 4
- Product Warranty
- Dimming Guide

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements. [1]
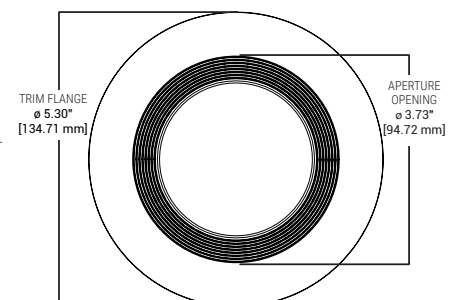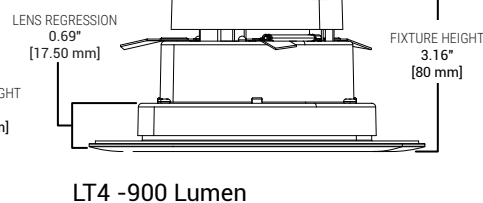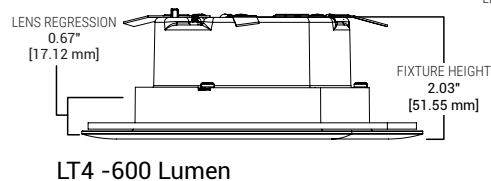Certified to California Appliance Efficiency Database under JA8. [1]

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

LENS REGRESSION
0.67"
[17.12 mm]

FIXTURE HEIGHT
2.03"
[51.55 mm]

LT4 -600 Lumen

LENS REGRESSION
0.69"
[17.50 mm]

FIXTURE HEIGHT
3.16"
[80 mm]

LT4 -900 Lumen

TRIM FLANGE
ø 5.30"
[134.71 mm]

APERTURE
OPENING
ø 3.73"
[94.72 mm]

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[1] T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

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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
LTSS4099FS1EWHR	4-inch Recessed smooth splay 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)

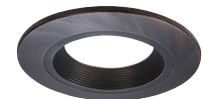| Catalog Number	Description
LT4OMWB	4-inch Overlay, Paintable Matte White
LT4OMBB	4-inch Overlay, Matte Black
LT4OSNB	4-inch Overlay, Satin Nickel
LT4OTBZ	4-inch Overlay, Tuscan Bronze
HE26LED	Replacement medium E26 screw base adapter (1 is already included with unit)

LT4OMWB
White (Paintable), Baffle
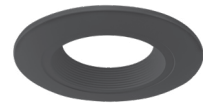
LT4OMBB
Matte Black, Baffle

LT4OSNB
Satin Nickel, Baffle

LT4OTBZ
Tuscan Bronze, Baffle

Compatible Housings

HALO - 4" Housings [2]

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 Housings	JB4FR2

2. 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 in³ 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 seleCCTable 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[1]
- 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[1]
- 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

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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

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[1] T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

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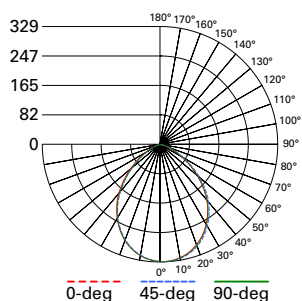
LT4069FS1EWHR-3000K
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.26
Beam Angle: 93.4°
Field Angle: 140.8°
Lumens: 699.6
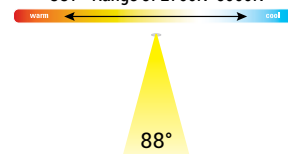Input Watts: 7.7 W
Efficacy: 90.9 LPW
UGR: 25.4
Test Report: P798553

Polar chart values: 329, 247, 165, 82, 0
0-deg   45-deg   90-deg

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

CCT - Range of 2700K- 5000K

88°

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) Correlated Color Temperature (CCT)	3000K

warm white | soft white | bright white
2700K | 3000K | 4500K | 5000K
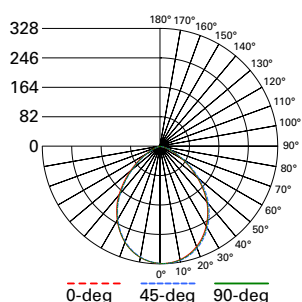
LTSS4069FS1EWHR-3000K
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.26
Beam Angle: 92.8°
Field Angle: 139.2°
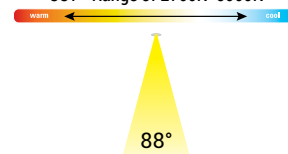Lumens: 689.5
Input Watts: 7.8 W
Efficacy: 88.4 LPW
UGR: 25.0
Test Report: P798558

Polar chart values: 328, 246, 164, 82, 0
0-deg   45-deg   90-deg

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

CCT - Range of 2700K- 5000K

88°

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) Correlated Color Temperature (CCT)	3000K

warm white | soft white | bright white
2700K | 3000K | 4500K | 5000K
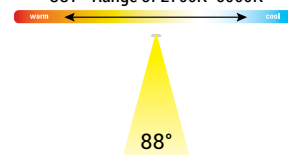
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LT4099FS1EWHR_3000K

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

0-deg   45-deg   90-deg

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) Correlated Color Temperature (CCT)	3000K

warm white   soft white   bright white
2700K   3000K   4500K   6500K

LTSS4099FS1EWHR_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

0-deg   45-deg   90-deg

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

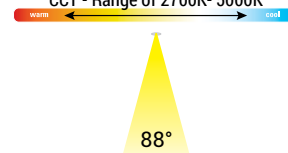| TM-30-15 | Rf = 92 |
	Rg = 103
CRI/CIE	Ra = 96.5
	R9 = 84.5

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

LTSS4099FS1EWHR_3000K

PRODUCT SPECIFICATIONS

Lumens	1030
Watts	9.5
Lumens Per Watt (Efficacy)	108.4
Color Accuracy (CRI)	93
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

warm white   soft white   bright white
2700K   3000K   4500K   6500K

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Specifications and dimensions
subject to change without notice.

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