Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

LT56 Selectable CCT – Baffle

5”/6” All-Purpose LED Retrofit Module
600 Lumen Series

Typical Applications

Residential

Interactive Menu

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

Product Certification

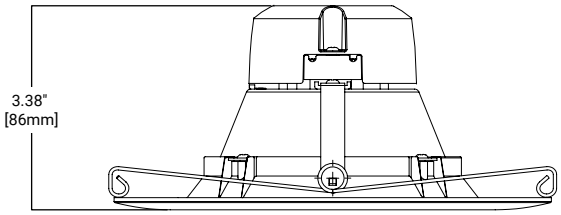
Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

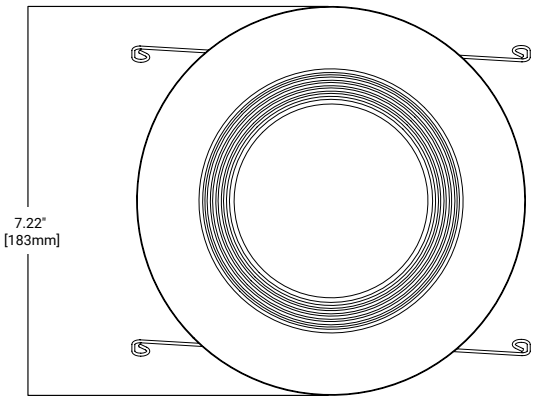
Product Features

Top Product Features

- Selectable CCT: 2700K, 3000K, 3500K or 3000K, 4000K, 5000K
- Baffle trim
- Dimmable down to 10%
- Retrofits into existing 5” or 6” housings
- Use with Halo 5” or 6” LED housings - new construction and remodel
- Wet location listed and “dead front”

Dimensional and Mounting Details





Order Information

SAMPLE ORDER NUMBER: **LT56069FS351EWHR**

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

Module	Lumens	CRI/CCT	Driver	Finish	Packaging
LT56 = 5/6-inch LED retrofit module, baffle trim	**06** = 600 lumens (nominal)	**9FS23** = 90 CRI min, 2700K, 3000K, 3500K selectable CCT **9FS35** = 90 CRI min, 3000K, 4000K, 5000K selectable CCT	**1E** = 120V 60Hz, LE & TE phase cut 10% dimming	**WH** = Matte White flange	**R** = Recyclable 4-color unit carton

Accessories

Accessories
HE26LED = Replacement medium base (E26) screw base adapter (one included with unit)

Housings

Housings	
Halo LED 5-inch **H550ICAT =** 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing **H550RICAT =** 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing **E550ICAT =** 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing **E550RICAT =** 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing **H550FR2ICATD010** = 6" IC, airtight, 2 hour fire rated, new construction housing, LED, 120 - 277V **Halo LED 6-inch** **H750ICAT =** 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing **H750RICAT =** 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing **H750T =** 6" LED, Non-IC, Air-Tite, New Construction Housing **H750TCP =** 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing **H2750ICAT =** 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Construction (use with 691X, 694X, 696X trims only) **H2750RICAT =** 6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel (use with 691X, 694X, 696X trims only) **E750ICAT =** 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing **E750RICAT =** 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing **H750FR2ICAT** = 6" IC, airtight, 2 hour fire rated, new construction housing, LED, 120 - 277V **Halo LED retrofit** **ML7E26RFK =** 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface **ML7BXFK =** 6" Retrofit Enclosure, Non-IC, BX Whip **Halo Shallow Housings 5-inch** **H25ICAT =** 5" Shallow, Insulated Ceiling, Air-Tite New Construction **H25RICAT =** 5" Shallow, Insulated Ceiling, Air-Tite Remodel **H25ICATNB =** 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket **Halo Shallow Housings 6-inch** **H27ICAT =** 6" Shallow, Insulated Ceiling, Air-Tite New Construction **H27RICAT =** 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing **H27T =** 6" Shallow, Non-IC, New Construction Housing **H27RT =** 6" Shallow, Non-IC, Remodel Housing **E27ICAT =** 6" Shallow, Insulated Ceiling, Air-Tite New Construction **E27RICAT =** 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing **E27TAT =** 6" Shallow, Non-IC, New Construction Housing **E27RTAT =** 6" Shallow, Non-IC, Remodel Housing	**Halo Standard Housings 5-inch** **H5ICAT =** 5" Insulated Ceiling, Air-Tite New Construction Housing **H5RICAT =** 5" Insulated Ceiling, Air-Tite Remodel Housing **H5ICATNB =** 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket **H5T =** 5" Non-IC, New Construction Housing **H5RT =** 5" Non-IC, Remodel Housing **H5TNB =** 5" Non-IC, New Construction Housing, No Socket Bracket **E5ICAT =** 5" Insulated Ceiling, Air-Tite New Construction Housing **E5RICAT =** 5" Insulated Ceiling, Air-Tite Remodel Housing **E5ICATNB =** 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket **E5TAT =** 5" Non-IC, New Construction Housing **E5RTAT =** 5" Non-IC, Remodel Housing **E5TATNB =** 5" Non-IC, New Construction Housing, No Socket Bracket **Halo Standard Housings 6-inch** **H7ICAT =** 6" Insulated Ceiling, Air-Tite New Construction Housing **H7RICAT =** 6" Insulated Ceiling, Air-Tite Remodel Housing **H7ICT =** 6" Insulated Ceiling, New Construction Housing **H7RICT =** 6" Insulated Ceiling, Remodel Housing **H7ICATNB =** 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket **H7ICTNB =** 6" Insulated Ceiling, New Construction Housing, No Socket Bracket **H7T =** 6" Non-IC, New Construction Housing **H7RT =** 6" Non-IC, Remodel Housing **H7TNB =** 6" Non-IC, New Construction Housing, No Socket Bracket **H7TCP =** 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing **H7UICAT =** 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing **E7ICAT =** 6" Insulated Ceiling, Air-Tite New Construction Housing **E7RICAT =** 6" Insulated Ceiling, Air-Tite Remodel Housing **E7ICATNB =** 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket **E7TAT =** 6" Non-IC, New Construction Housing **E7RTAT =** 6" Non-IC, Remodel Housing **E7TATNB =** 6" Non-IC, New Construction Housing, No Socket Bracket
Notes	

LT56 Series LED Retrofit is UL Classified for retrofit in the following 5/6" recessed housings:
The LT Series LED light module - trim combination is cULus Listed or UL Classified for use with any 5"/6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in3 in addition to those noted above.

Specification Features

Module
- LED module consists of LED array, optical assembly, driver and self-flanged trim
- Baffle style trim
- Achieving L70 at 35,000 hours in IC and non-IC applications

Gaskets
- Closed cell gasket achieves restrictive airflow requirements without additional caulking

LED Array
- A plurality of low power LEDs provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM provide color accuracy and uniformity
- Available in 3-color selectable CCT: choose 2700K, 3000K, 3500K or 3000K, 4000K, 5000K

Optical Assembly
- Optical assembly provides wide distribution useful for general and task lighting
- Diffuse injection molded lens with contoured profile provides uniformity and a familiar lamp like appearance
- Meets ENERGY STAR® color angular uniformity requirements

Driver
- Integral 120V 60 Hz constant current driver provides high efficiency operation
- Continuous, flicker-free dimming from 100% to 10% with select leading or trailing edge 120V phase cut dimmers – consult dimming guide for more information
- Consult dimmer manufacturer for compatibility and conditions of use
- Inline electrical quick connect and E26 adapter (provided) provides mains connection
- A separate ground wire and mounting hardware insures proper ground connection to housing

Retention
- Torsion springs are pre-installed and adjust to fit 5” and 6” compatible housings

Trim
- One-piece smooth splay or step baffle and self-flanged trim ring provides lens regression and reduces light leaks
- Injection molded plastic construction is impact resistant and non-corrosive
- Non-conductive construction meets most local code ‘dead front’ requirements

Compliance
- UL Certified for US and Canada for use with Halo housings, classified for use with other’s housings, see instruction sheet for conditions of acceptability
- Wet location listed
- Air-tite 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 LM79-08
- 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

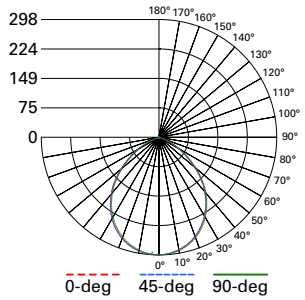
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy Data

Energy Data	
Lumens	600 Series
Input Voltage	120V
Input Current	0.06 (A)
Input Power	6.97 (W)
Efficiency	Up to 88 (LPW)
Inrush	2 (A)
THD: ≤ 17.2%	
PF: ≥ 0.960	
T Ambient -30 - +40°C	
Sound Rating ≤ 23dba	

Photometric Data

View IES files



LT56069FS231EWHR - 2700K

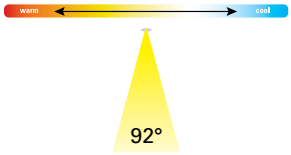
Spacing criterion: (0-180) 1.18
(90-270) 1.18
(Diagonal) 1.25

Beam Angle: 92°
Lumens: 623
Input Watts: 6.75 W
Efficacy: 92.2 LPW
UGR: 17
Test Report:
LT56069FS231EWHR.ies

Zonal Lumen	Lumens	% Lumens
0-30	225	36.1
0-40	356	57.3
0-60	560	90
0-90	619	99.4

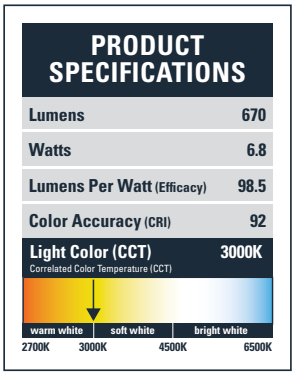
TM-30-15	Rf = 92
	Rg = 99
CRI/CIE	Ra = 94
	R9 = 61

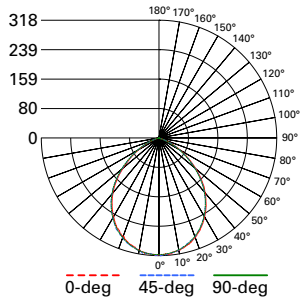
CCT - Range of 2700K- 5000K



LT56 3CCT Baffle - 2700K / 3000K / 3500K				
CCT	Watts	lumens	LPW	CRI
2700K	7.1	615	86.6	92
3000K	6.8	670	98.5	92
3500K	7.2	660	91.7	91

LT56069FS231EWHR - 3000K





LT56069FS351EWHR - 3000K

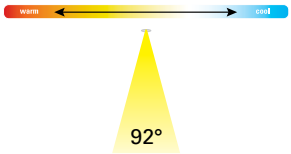
Spacing criterion: (0-180) 1.18
(90-270) 1.18
(Diagonal) 1.25

Beam Angle: 92°
Lumens: 662
Input Watts: 6.89 W
Efficacy: 96.1 LPW
UGR: 17
Test Report:
LT56069FS351EWHR.ies

Zonal Lumen	Lumens	% Lumens
0-30	237	35.8
0-40	377	56.9
0-60	594	89.7
0-90	658	99.4

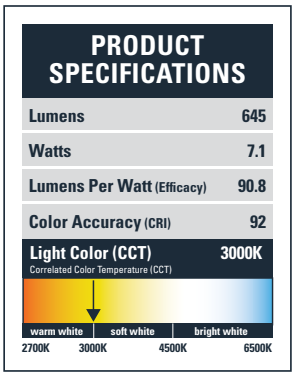
TM-30-15	Rf = 92
	Rg = 99
CRI/CIE	Ra = 94
	R9 = 63

CCT - Range of 2700K- 5000K



LT56 3CCT Baffle - 3000K / 4000K / 5000K				
CCT	Watts	lumens	LPW	CRI
3000K	7.1	645	90.8	92
4000K	6.8	690	101.5	93
5000K	7.2	665	92.4	93

LT56069FS351EWHR - 3000K



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Specifications and dimensions
subject to change without notice.