

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

RA56 High Lumen | Selectable CCT

5"/6" All-purpose LED retrofit module with
SeleCCTable switch
1000 Lumen Series

Typical Applications

Residential

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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 JAB.

Product Features

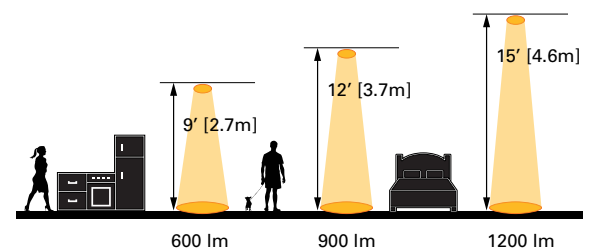
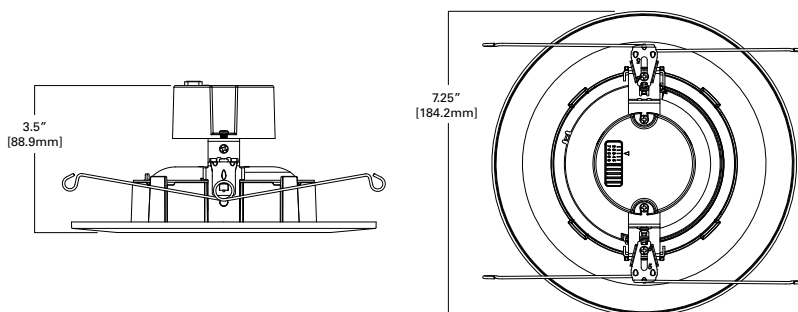


Top Product Features

- Adjustable gimbal offers 35-degree tilt and up to 360-degree rotation
- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT
- 1000 lumen series
- Use with 5" or 6" housings with screwbase adapter included
- Dimmable down to 5%

Dimensional and Mounting Details

Scale



Order Information

SAMPLE ORDER NUMBER: **RA56109S1EWHR**

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

Models	Lumens	CRI/CCT	Driver	Finish	Packaging
RA56 = 5"/6" LED Adjustable Gimbal	10 = 1000 lumens (nominal)	9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K	1E = 120V 60Hz leading or trailing edge phase cut 5% dimming	WH = Matte white baffle	R = Recyclable 4-color unit carton

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 = 5" fire safe new construction housing for phase-cut and 0-10V LED retrofit modules, 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 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 ESICAT = 5" Insulated Ceiling, Air-Tite New Construction Housing ESRICAT = 5" Insulated Ceiling, Air-Tite Remodel Housing E5ICATNB = 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket ESTAT = 5" Non-IC, New Construction Housing ESRTAT = 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

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

- Integral torsion springs and Push-N-Twist clips offer two mounting options.
- Torsion springs are pre-installed. Friction Clips are optional and included but not pre-installed. Adjust to fit 5" or 6" compatible housings
- Push-N-Twist universal installation clips are pre-installed and designed to fit 5" or 6" compatible housings.

Compliance

- UL Certified US and Canada
- Damp location listed.
- 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 JA8-2019-E.
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

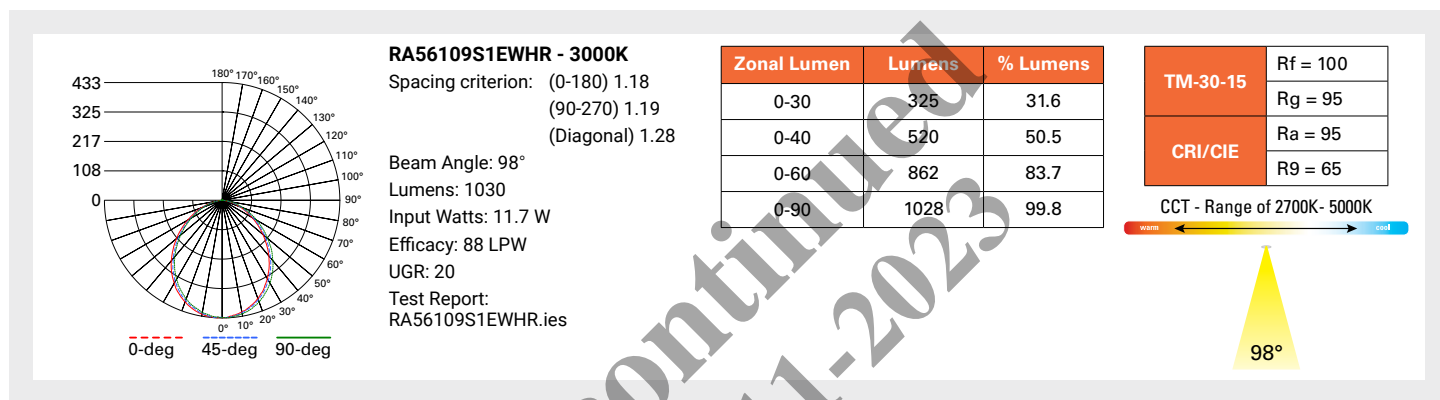
Warranty

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

Energy Data

Energy Data @ 3000K	
Lumens	1000 Series
Input Voltage	120V
Input Current	0.098 (A)
Input Power	11.73 (W)
Efficiency	87.9 %
Inrush (A)	1.2
THD: ≤ 20%	
PF: ≥ 0.90	
T Ambient -30 - +40°C	
Sound Rating ≤ 22dba	

Photometric Data



RA4089S1EWHR 2700K / 3000K / 3500K / 4000K / 5000K				
CCT	Watts	lumens	LPW	CRI
2700K	11.7	1015	86.8	93
3000K	11.7	1030	88	94
3500K	11.7	1050	89.7	95
4000K	11.7	1070	91.5	95
5000K	11.8	1090	92.4	94

RA4089S1EWHR - 3000K

PRODUCT SPECIFICATIONS	
Lumens	1030
Watts	11.7
Lumens Per Watt (Efficacy)	88
Color Accuracy (CRI)	94
Light Color (CCT)	3000K
Correlated Color Temperature (CCT)	
warm white soft white bright white 2700K 3000K 4500K 6500K	