Description

The Halo RA56 SeleCCTable™ LED Adjustable Gimbal is a complete LED Baffle-Trim Module for 5-Inch or 6-Inch aperture recessed downlights. It is suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The RA56 SeleCCTable Gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

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.
• Up to 360-degree rotation
• 35-degree tilt
• Halo matte white paint finish

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 and 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

Gaskets
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
• UL Certified
• 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 JA8-2016-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.eaton.com/lighting/legal

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.

RA56

5-Inch/6-Inch All-Purpose LED Retrofit Module with SeleCCTable switch

600 Lumen Series

FOR USE IN INSULATED CEILING AND NON- INSULATED CEILING RATED HOUSINGS

HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

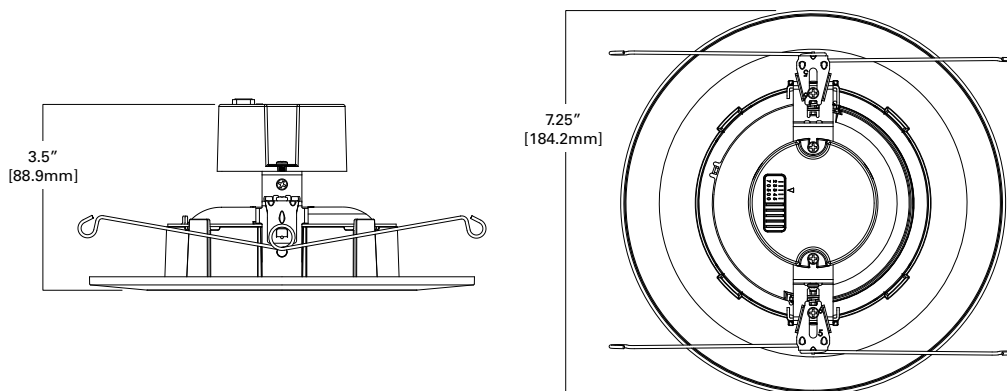**5 seleCCTable™ colors**

2700K • 3000K • 3500K
4000K • 5000K

ENERGY DATA @ 3000K	
Lumens	600 Series
Input Voltage	120V
Input Current	.065 (mA)
Input Power	7.0 (W)
Efficiency	90 %
Inrush (A)	.91
THD: ≤ 20%	
PF: ≥ 0.90	
T Ambient -30 - +40°C	
Sound Rating ≤ 20dba	

Dimensions

3.5″ [88.9mm]

7.25″ [184.2mm]

Ordering Information

SAMPLE NUMBER: RA56069S1EWH
A complete luminaire consists of a housing, and LED module, order separately.

Models	Lumens	CRI/CCT	Driver	Finish
RA56= 5"/6" LED Adjustable Gimbal	**06**=600 lumens (nominal)	**9S**=90 CRI minimum, white tuning, selectable CCT 2700K-5000K	**1E**=120V 60Hz leading or trailing edge phase cut 1% dimming	**WH**=Matte white baffle

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

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

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

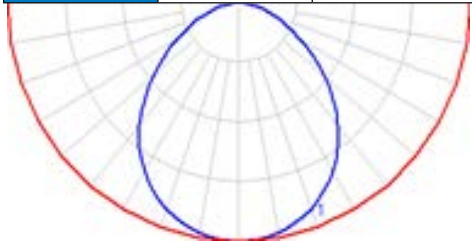**Halo Standard Housings 5-inch**
H5ICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing
H5RICAT= 5" Insulated Ceiling, Air-Tite Remodel Housing
H5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
H5T= 5" Non-IC, New Construction Housing
H5RT= 5" Non-IC, Remodel 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

Photometric Data

RA56069S1EWHR-3000K		
Luminaire lumens		630
Input watts		7.0
LER (LPW)		90
Spacing Criteria	0-180	1.21
	90-270	1.21
	Diagonal	1.29
Beam angle (degrees)		98.1
Field angle (degrees)		151.4
Zonal lumen	Lumens	% Lumens
0-30	201	31.9
0-40	324	51.4
0-60	532	84.5
0-90	630	100

* Tested in accordance with IES LM63. Field results may vary.

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	630
Watts	7.0
Lumens Per Watt (Efficacy)	90
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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