HALO™

Description

The Halo RL56 SeleCCTable™ is a complete LED Baffle-Trim Module for 5 inch and 6 inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Catalog #	
Project	
Comments	
Prepared by	

Type
Date

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.

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

Designer Skins (sold separately)
- RL56 skins are accessory rings that attach to the RL56 for a permanent finish. Refer to the RL56 accessories specification sheet for details.
- White (Paintable)
- Satin Nickel
- Tuscan Bronze

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

Compliance
- UL Certified
- Wet and Damp location listed.
- Airtight certified 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 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

RL56069S1EWH
RL56099S1EWH

RL56129S1EWH

RL56

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

up to 1272 lumens

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 STAR

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

Efficiency Standards T24 — Can be used to comply with 2016 Title 24 Part 6 LED Enclosed Light Source Requirements (JA8)

Efficiency Standards T20 — California Title 20 Certified LED Tier 1 Lamp

RoHS

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.

UL CERTIFIED SAFETY

Showerlight

air-tite™

Energy Data

RL56069S1EWH	
Max. Lumens	712 @ 4000K
Input Voltage	120V
Input Frequency	50/60 Hz
Input Power	7.6W
Input Current	0.15 A
Power Factor	>0.90
THD	<20%
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Consumer)
Sound Rating	Class A
Minimum Starting Temp	-30°C (-22°F)

RL56099S1EWH	
Max. Lumens	1006 @ 4000K
Input Voltage	120V
Input Frequency	50/60 Hz
Input Power	12.1W
Input Current	0.15 A
Power Factor	>0.90
THD	<20%
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Consumer)
Sound Rating	Class A
Minimum Starting Temp	-30°C (-22°F)

RL56129S1EWH	
Max. Lumens	1272 @ 5000K
Input Voltage	120V
Input Frequency	50/60 Hz
Input Power	14W
Input Current	0.15 A
Power Factor	>0.90
THD	<20%
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Consumer)
Sound Rating	Class A
Minimum Starting Temp	-30°C (-22°F)

F·A·T·O·N
Powering Business Worldwide

Dimensions

600 / 900 Series

2.67″
[67.8mm]

7.25″
[184.2mm]
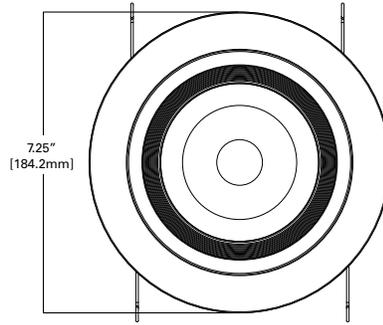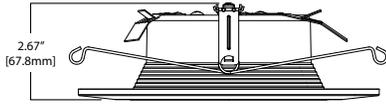
Ordering Information

SAMPLE NUMBER: RL56069S1EWH
A complete luminaire consists of a housing, and LED module, order separately.

Models	Lumens	CRI/CCT	Driver	Finish	Accessories
RL56= 5"/6" all- purpose retrofit LED module	**06**=600 lumens (nominal) **09**=900 lumens (nominal) **12**=1200 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	**RL56TRMWHB** =5"/6" White Paintable Trim Ring, Baffle **RL56TRMSNB** =5"/6" Satin Nickel Trim Ring, Baffle **RL56TRMTBZB** =5"/6" Tuscan Bronze Trim Ring, Baffle **RL56TRMWH** =5"/6" White Paintable Trim Ring **RL56TRMSN** =5"/6" Satin Nickel Trim Ring **RL56TRMTBZ** =5"/6" Tuscan Bronze Trim Ring

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

RL56069S1EWH-3000K		
Luminaire lumens		665
Input watts		7.6
LER (LPW)		87.5
Spacing Criteria	0-180	1.14
	90-270	1.14
	Diagonal	1.22
Beam angle (degrees)		87.8
Field angle (degrees)		139
Zonal lumen	Lumens	% Lumens
0-30	247	37.2
0-40	387	58.2
0-60	595	89.4
0-90	665	100
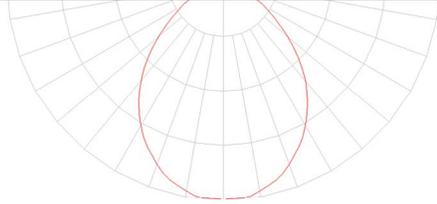
RL56099S1EWH-3000K		
Luminaire lumens		940
Input watts		12.1
LER (LPW)		77.7
Spacing Criteria	0-180	1.16
	90-270	1.16
	Diagonal	1.22
Beam angle (degrees)		88.9
Field angle (degrees)		140
Zonal lumen	Lumens	% Lumens
0-30	345	36.7
0-40	541	57.5
0-60	838	89.1
0-90	940	100
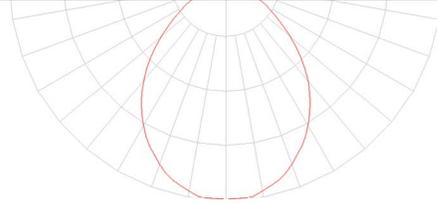
RL56129S1EWH-3000K		
Luminaire lumens		1221
Input watts		14
LER (LPW)		87.2
Spacing Criteria	0-180	1.21
	90-270	1.21
	Diagonal	1.31
Beam angle (degrees)		93
Field angle (degrees)		140
Zonal lumen	Lumens	% Lumens
0-30	345	31.7
0-40	541	51.5
0-60	838	85.5
0-90	940	100

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

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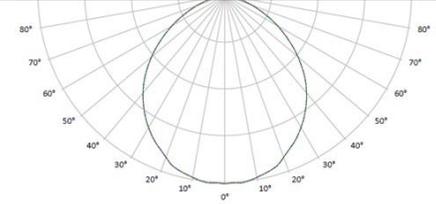
* Tested in accordance with IES LM63. Field results may vary.

Color Metric Summary

TM-30-15	R_f = 89.8
	R_g = 98
CRI/CIE	R_a = 93.7
	R_9 = 69.1

93°

CCT - Range of 2700K- 5000K

warm — cool

Color Metric Summary

TM-30-15	R_f = 89.9
	R_g = 97.7
CRI/CIE	R_a = 93.1
	R_9 = 64.6

93°

CCT - Range of 2700K- 5000K

warm — cool

Color Metric Summary

TM-30-15	R_f = 89.9
	R_g = 97.7
CRI/CIE	R_a = 93.1
	R_9 = 64.6

93°

CCT - Range of 2700K- 5000K

warm — cool

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	665
Watts	7.6
Lumens Per Watt (Efficacy)	87.5
Color Accuracy (CRI)	92
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

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

PRODUCT SPECIFICATIONS

Lumens	940
Watts	12.1
Lumens Per Watt (Efficacy)	77.69
Color Accuracy (CRI)	90
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

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

PRODUCT SPECIFICATIONS

Lumens	1221
Watts	14
Lumens Per Watt (Efficacy)	87
Color Accuracy (CRI)	92
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

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