

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

RLD6 | Deep Baffle

6" All-Purpose LED Retrofit Module
600 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 J48.

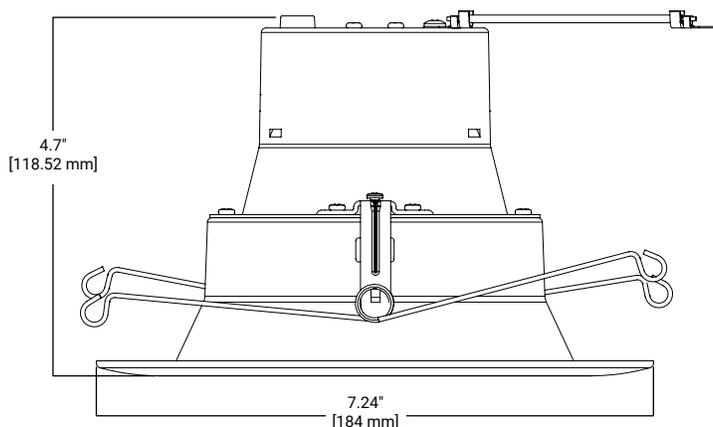
Product Features



Top Product Features

- ENERGY STAR® certified
- 80 CRI: 2700K, 3000K, 3500K, or 4000K CCT
- 90 CRI: 2700K, 3000K, 3500K, 4000K, or 5000K CCT
- Retrofits existing 6" housings with screwbase adapter included
- Use with Halo 6" LED housings – new construction & remodel

Dimensional and Mounting Details



Order Information*

SAMPLE ORDER NUMBER: **RLD6069301EWH**

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

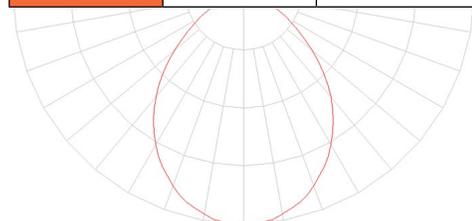
Models	Lumens	CRI/CCT	Driver	Finish	Accessories
RLD6 = 6" Deep Baffle retrofit LED module	06 = 600 lumens (nominal)	930 = 90 CRI minimum, 3000K CCT	1E = 120V 60Hz leading or trailing edge phase cut 1% dimming	WH = matte white trim, white baffle and black baffle included	

Housings

Housings	
<p>Halo LED 6-inch</p> <p>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</p> <p>Halo LED retrofit</p> <p>ML7E26RFK = 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface ML7BXRFK = 6" Retrofit Enclosure, Non-IC, BX Whip</p> <p>Halo Shallow Housings 6-inch</p> <p>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</p>	<p>Halo Standard Housings 6-inch</p> <p>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 H7ICATNB = 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</p>

Photometric Data

RLD6069301EWH		
Luminaire lumens	668	
Input watts	8.5	
LER (LPW)	78.6	
Spacing Criteria	0-180	1.08
	90-270	1.08
	Diagonal	0.98
Beam angle (degrees)	66.1	
Field angle (degrees)	108.8	
Zonal lumen	Lumens	% Lumens
0-30	372	55.7
0-40	507	75.9
0-60	621	92.9
0-90	668	100



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

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	681
Watts	8.5
Lumens Per Watt (Efficacy)	80.1
Color Accuracy (CRI)	91
Light Color (CCT) <small>Correlated Color Temperature (CCT)</small>	3000K

2700K 3000K 4500K 6500K

warm white soft white bright white

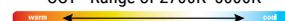
Performance metrics are measured using white baffle.

Color Metric Summary

TM-30-15	R _f = 91
	R _g = 98.8
CRI/CIE	R _a = 92.8
	R ₉ = 67.2



CCT - Range of 2700K- 5000K



Product Specifications

Module – Trim

- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring
- Regressed Coilex 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 within 3 SDCM provide color accuracy and uniformity

Optical Assembly

- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Baffles

- Each unit comes with a white baffle insert and black baffle insert

Driver

- Integral 120V 50/60 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
- Consult instruction sheets and quick start guide for more information

Retention

Torsion Springs

- Integral torsion springs offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5" or 6" compatible housings

Friction Blades

- Provide alternative to torsion springs for retrofit in 5" and 6" housings without torsion spring mounting tabs
- Friction blade design allows the RL560 to be installed in any position within the housing aperture (360 degrees)

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) and Washington State Energy Code high efficiency luminaire compliance.
- 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.eaton.com/lighting/legal

Energy Data

Energy Data @ 3000K	
Lumens	668
Wattage	8.5W
Input current	0.073A
Efficacy	78.6 LPW
THD	17.5%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99