

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

RLD4 | Deep Baffle

4" 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 JAB.

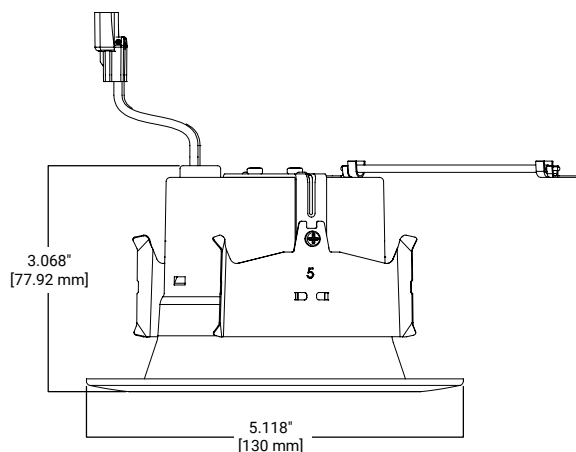
Product Features



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 4" housings with screwbase adapter included
- Use with Halo 4" LED housings – new construction & remodel

Dimensional and Mounting Details



Order Information*

SAMPLE ORDER NUMBER: **RLD4069301EWH**

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

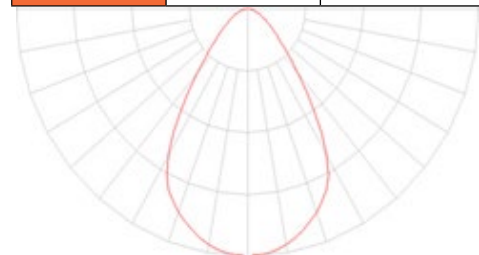
Models	Lumens	CRI/CCT	Driver	Finish
RLD4 = 4" deep baffle retrofit LED module	06 = 600 lumens (nominal)	930 = 90 CRI minimum, 3000K CCT	1E = 120V 60Hz leading or trailing edge phase cut 1% dimming	WH = matte white trim, white baffle and black baffle included

Housings

Housings
Halo Ultra-shallow LED Housings H245ICAT = 4" IC, airtight ultra-shallow new construction housing, LED, 120 - 277V H245RICAT = 4" IC, airtight ultra-shallow remodeler housing, LED, 120 - 277V Halo LED Housings H995ICAT = 4" IC, airtight shallow new construction housing, LED, 120 - 277V H995RICAT = 4" IC, airtight shallow remodeler housing, LED, 120 - 277V E995ICAT = 4" IC, airtight shallow new construction housing, LED, 120 - 277V E995RICAT = 4" IC, airtight shallow remodeler housing, LED, 120 - 277V Halo Housings H99TAT = 4" non-IC, airtight shallow new construction housing, E26, 120V H99RTAT = 4" non-IC, airtight shallow remodeler housing, E26, 120V H99ICAT = 4" IC, airtight shallow new construction housing, E26, 120V E4TATSB = 4" non-IC, airtight shallow new construction housing, adjustable socket bracket, E26, 120V E4RTATSB = 4" non-IC, airtight shallow remodeler housing, adjustable socket bracket, E26, 120V E4ICATSB = 4" non-IC, airtight shallow new construction housing, adjustable socket bracket, E26, 120V

Photometric Data

RLD4069301EWH		
Luminaire lumens		681
Input watts		8.5
LER (LPW)		80.1
Spacing Criteria	0-180	1.08
	90-270	1.08
	Diagonal	1.04
Beam angle (degrees)		70.3
Field angle (degrees)		117.4
Zonal lumen	Lumens	% Lumens
0-30	343	50.3
0-40	492	75.5
0-60	629	92.4
0-90	681	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)	3000K
Correlated Color Temperature (CCT)	
2700K	3000K
4500K	6500K

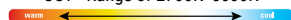
Performance metrics are measured using white baffle.

Color Metric Summary

TM-30-15	R _f = 91
	R _g = 99
CRI/CIE	R _a = 92
	R ₉ = 67.4



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

- Precision formed spring blades secure module with friction fit to compatible housings.
- Friction blade design allows the RA4 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	681
Wattage	8.5W
Input current	0.073A
Efficacy	80.1 LPW
THD	17.5%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99