

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

RSQ 4" Square Recessed Baffle LED Trim

This LED trim installs into most 4" recessed housings and is the perfect lighting solution for low to medium height ceilings. A shallow square lens and rotatable baffle trim make installation and alignment a breeze. The selectable lumens, 6-position color selectability, and flicker-free 5% dimming allow for easy lighting customization. Upgrade your lighting with the RSQ Series today.

Typical Applications Residential

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 2](#)
- Energy Data [page 3](#)
- Photometric Data [page 3](#)
- Product Warranty
- Dimming Guide

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.

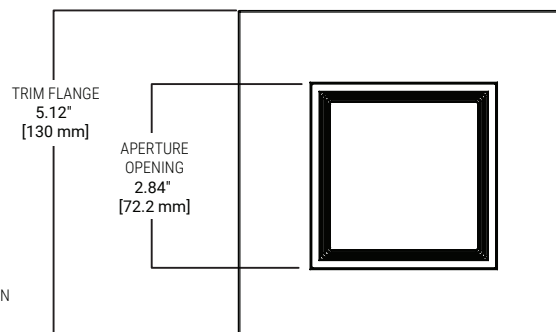
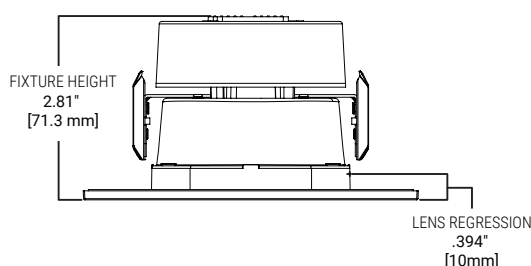
Product Features



Top Product Features

- Square 4" LED trim is suitable for new construction, remodel, and retrofit installation in most 4" IC (insulation contact) or non-IC housings
- **Lens & Trim:** Shallow square diffuse lens and rotatable baffle trim make installation and alignment easy
- **6-Position Switch:** 5-color Field-SeleCCTable (2700K, 3000K, 3500K, 4000K, 5000K) + Dim-to-warm (3000K dims to 1800K); 90+ CRI
- **Brightness (Lumens):** Lumen Select Switch - 600/900 lms (nominal)
- **Dimming:** Dims to 5% (phase cut LE/TE) with compatible dimmers; 120V input
- Includes preinstalled Push-N-Twist universal installation clips; orange LED Quick Connect and E26 medium socket adapter
- Integral gasket meets AIR-TITE and code compliance for additional energy savings
- 50,000 hrs of maintenance-free operation in damp or wet locations
- 5-year warranty

Dimensional and Mounting Details



Order Information

Catalog Number	Description	Lumens (nominal)	CRI	CCT	Driver	Finish
RSQ4LS9FSD2W1EWH	4-inch square recessed LED trim	600/900 selectable lumens (nominal)	90+CRI	6-Color Field-SeleCCTable: 2700K, 3000K, 3500K, 4000K, 5000K, Dim-to-Warm	5% Phase Cut LE/TE Dimming, 120V 60Hz	Matte White

Accessories - Decorative Baffle Trim Overlays (sold separately)

Accessories
RSQ4TRMWH = 4-inch overlay, Paintable Matte White
RSQ4TRMSN = 4-inch overlay, Satin Nickel
RSQ4TRMTBZ = 4-inch overlay, Tuscan Bronze
RSQ4TRMMB = 4-inch overlay, Matte Black



Compatible Housings

HALO - 4" Housings ¹

HALO LED Housings	H45ICAT, H45RICAT
Standard Housings	H99ICAT, H99RTAT, H99TAT, H995ICAT, H995RICAT, H99T, H99RT, H99ICT, E4ICATSB, E4TATSB, E4RTATSB
Shallow Housings	H245ICAT, H245RICAT
Fire Rated Housings	H450FR2ICAT
Junction Box Housings	JB4FR2

¹ This fixture is UL Certified for use with any 4" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 62.3" in³ addition to those noted below and does not exceed the input rating of the housing.

Product Specifications

Module

- The LED module consists of an LED array, optical assembly, driver, and self-flanged trim
- Rotatable square baffle trim
- Achieves L70 at 50,000 hrs in IC (insulation contact) and non-IC applications

Selectable System

- Use the CCT select switch to choose between D2W (Dim-to-Warm), 2700K, 3000K, 3500K, 4000K, and 5000K CCT
- D2W option starts at 3000K and warms to 1800K as the fixture dims
- Factory default is set to 3000K
- Use Lumen Select switch to choose the brightness level
- Lumen Select factory default is 900 lm

LED Array

- Mid-power LED array provides a uniform light source with high efficiency and no pixilation
- 90+ CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provides color accuracy and uniformity

Driver

- Integral 120V 60Hz constant current driver provides noise-free, high-efficiency operation
- Dimmable:** Continuous, flicker-free dimming from 100% to 5% with compatible leading or trailing edge (LE/TE) 120V phase cut dimmers; (See Dimming Guide for compatible dimmers.)
 - Tip:** For optimal dimming performance, consider dimmers with low-end trim adjustment; Note that some dimmers require a neutral wire in the box.
- Wiring:** Includes inline electrical orange LED Quick Connect and E26 medium socket adapter to provide mains connection

Retention

- Push-N-Twist universal installation clips are pre-installed and designed to fit compatible recessed housings

Trim

- The one-piece step baffle and self-flanged square trim ring provide lens regression and reduce light leaks
- Injection-molded plastic construction is impact-resistant and non-corrosive
- Non-conductive construction meets most local dead-front code requirements

Gasket

- Closed-cell gasket achieves restrictive airflow requirements without additional caulking

Overlays (sold separately)

- Overlays are accessory trims that attach to the fixture for a decorative finish

Compliance

- UL Certified for US and Canada, type IC suitable for direct contact with air permeable insulation
- UL Certified for US and Canada for use with HALO housings, classified for use with other's housings, see instruction sheet for conditions of acceptability
- Wet location listed
- Air-Tite 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 LM79-08
- 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, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings
- ENERGY STAR[®] listed, reference database for current listings
- Meets State of California voluntary lamp standards

Warranty

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

Energy Data

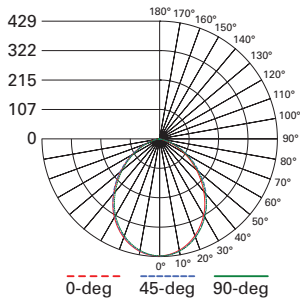
RSQ4LS9FSD2W1EWH - 3000K

Lumens	600/900
Input Voltage	120V
Input Current	0.055A/ 0.084A
Input Power	6.43W/ 9.98W
Efficiency	81%/ 81%
Inrush	1.9A
THD	15.2%/ 11.5%
PF	0.95/ 0.97
Sound Rating	<=22dba

Catalog Number	CCT	Watts	lumens	LPW	CRI
RSQ4LS9FSD2W1EWH 600 Lumen Setting	2700K	6.2	655	105.6	92
	3000K	6.2	665	107.3	92
	3500K	6.2	675	108.9	92
	4000K	6.2	680	109.7	92
	5000K	6.2	680	109.7	92

Catalog Number	CCT	Watts	lumens	LPW	CRI
RSQ4LS9FSD2W1EWH 900 Lumen Setting	2700K	9.7	955.0	98.5	92
	3000K	9.8	969.0	98.9	92
	3500K	9.8	980.0	100.0	92
	4000K	9.6	980.0	102.1	92
	5000K	9.8	970.0	99.0	92

Photometric Data



RSQ4LS9FSD2W1EWH-900lm-3000K

Spacing criterion:
 (0-180) 1.15 | (90-270) 1.15 | (Diagonal) 1.25
 Beam Angle: 91°
 Field Angle: 144°
 Lumens: 927
 Input Watts: 9.8 W
 Efficacy: 94.6 LPW
 UGR: 21
 Test Report: P710792

Zonal Lumen	Lumens	% Lumens
0-30	317	34.2
0-40	501	54.1
0-60	807	87
0-90	926	99.8

TM-30-15	Rf = 92
	Rg = 101
CRI/CIE	Ra = 95.8
	R9 = 74.4

CCT - Range of 2700K- 5000K



91°