Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO

RSQ5 5" Square Recessed Baffle LED Trim

This LED trim installs into most 5" 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

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Product Certification

ENERGY STAR

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

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

Efficiency Standards **T20** California Title 20 Certified LED Tier 2 Lamp

UL CERTIFIED

RoHS COMPLIANT

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
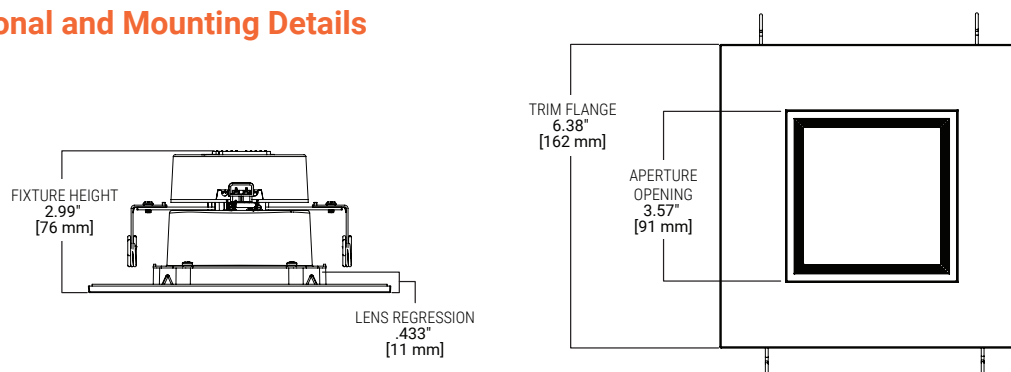Certified to California Appliance Efficiency Database under JA8.

Product Features

5 seleCCTable colors | dim-to-warm option included | selectable lumens | DIMMABLE | Showerlight | air-tite | DEAD FRONT

Rotatable Trim | IC RATED | 5 YEAR

Top Product Features

- Square 5" LED trim is suitable for new construction, remodel, and retrofit installation in most 5" 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 torsion springs (and optional friction blades); 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

FIXTURE HEIGHT
2.99"
[76 mm]

LENS REGRESSION
.433"
[11 mm]

TRIM FLANGE
6.38"
[162 mm]

APERTURE OPENING
3.57"
[91 mm]

COOPER
Lighting Solutions

Order Information

Catalog Number	Description	Lumens (nominal)	CRI	CCT	Driver	Finish
RSQ5LS9FSD2W1EWH	5-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
RSQ5TRMWH = 5-inch overlay, Paintable Matte White
RSQ5TRMSN = 5-inch overlay, Satin Nickel
RSQ5TRMTBZ = 5-inch overlay, Tuscan Bronze
RSQ5TRMMB = 5-inch overlay, Matte Black

RSQ5TRMWH
Paintable Matte White

RSQ5TRMSN
Satin Nickel

RSQ5TRMTBZ
Tuscan Bronze

RSQ5TRMMB
Matte Black

Compatible Housings

HALO - 5" Housings [1]

HALO LED Housings	H550ICAT, H550RICAT, E550ICAT, E550RICAT
Standard Housings	H5ICAT, H5ICATNB, H5RICAT, H5T, H5TNB, H5RT, E5ICAT, E5ICATNB, E5RICAT, E5RTAT, E5TAT, E5TATNB
Shallow Housings	H25ICAT, H25RICAT, H25ICATNB
Fire Rated Housings	H550FR2ICAT

HOUSINGS - UL Classified for retrofit compatibility

Note: Compatible with any 5" or 6" diameter recessed housing with an internal volume that exceeds 115 in^3 in addition to those listed below.

Juno	Standard Housings	IC22, IC22R, IC22W, IC22S, IC23, IC23W, TC2, TC2R, IC2
	Shallow Housings	IC21, IC21R
Capri	Standard Housings	CR1, PR1, QL1
	Shallow Housings	R9ASIC/PS9RM
Elco		HL7ICA (EL7ICA)
Thomas		PS1
Commercial Electric		C7ICA, H3

Lithonia Lighting	Standard Housings	LC6, L7X
	Shallow Housings	L7XP
Progress Lighting	Standard Housings	P87-AT†*
	Shallow Housings	P86TG
Lightolier		1104ICS†*, 1104ICR†*

1. This fixture is UL Certified for use with any 5" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9" in^3 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
- Steel torsion springs hold the module securely in the housing
- Optional friction blades included for installation in housings without torsion spring receivers

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

RSQ5LS9FSD2W1EWH - 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
RSQ5LS9FSD2W1EWH 600 Lumen Setting	2700K	6.2	685	110.5	92
	3000K	6.3	695	110.3	92
	3500K	6.3	705	111.9	92
	4000K	6.3	700	111.1	92
	5000K	6.3	715	113.5	92

Catalog Number	CCT	Watts	lumens	LPW	CRI
RSQ5LS9FSD2W1EWH 900 Lumen Setting	2700K	9.8	940	95.9	92
	3000K	9.8	955	97.4	92
	3500K	9.8	965	98.5	92
	4000K	9.8	970	99.0	92
	5000K	9.8	960	98.0	92

Photometric Data

RSQ5LS9FSD2W1EWH-900lm-3000K

Spacing criterion:
(0-180) 1.16 | (90-270) 1.16 | (Diagonal) 1.25
Beam Angle: 89°
Field Angle: 140°
Lumens: 955
Input Watts: 9.8 W
Efficacy: 97.4 LPW
UGR: 19
Test Report: P710802

Zonal Lumen	Lumens	% Lumens
0-30	342	35.8
0-40	540	56.6
0-60	846	88.6
0-90	953	99.8

TM-30-15	Rf = 92
	Rg = 100
CRI/CIE	Ra = 96.2
	R9 = 74.2

CCT - Range of 2700K- 5000K