

Project		Catalog #		Type	
Prepared by		Notes		Date	



# HALO

## RSQ6 6" Square Recessed Baffle LED Trim

This LED trim installs into most 6" 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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### Top Product Features

- Square 6" LED trim is suitable for new construction, remodel, and retrofit installation in most 6" 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 - 600/1000 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

### Product Certification

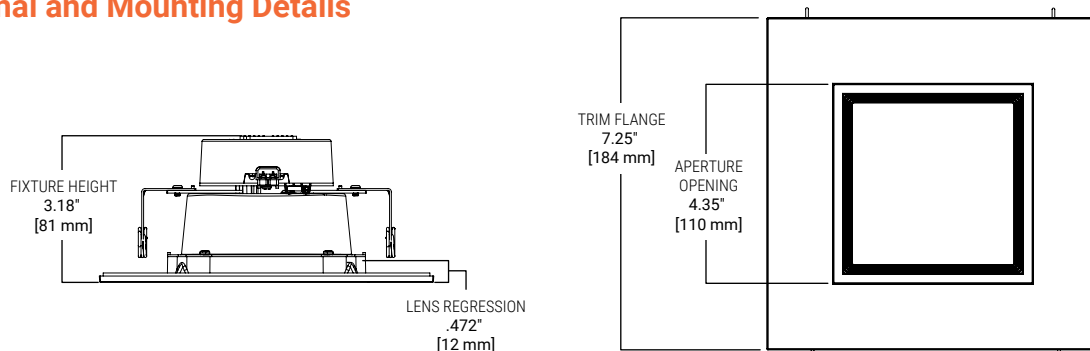


Refer to ENERGY STAR® Certified Products List.  
Can be used to comply with California Title 24 High Efficacy requirements.  
Certified to California Appliance Efficiency Database under JAB.

### Product Features



### Dimensional and Mounting Details



## Order Information

Catalog Number	Description	Lumens (nominal)	CRI	CCT	Driver	Finish
RSQ6LS9FSD2W1EWH	6-inch square recessed LED trim	600/1000 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
RSQ6TRMWH = 6-inch overlay, Paintable Matte White
RSQ6TRMSN = 6-inch overlay, Satin Nickel
RSQ6TRMTBZ = 6-inch overlay, Tuscan Bronze
RSQ6TRMMB = 6-inch overlay, Matte Black



## Compatible Housings

### HALO - 6" Housings<sup>1</sup>

HALO LED Housings	H750ICAT, H750RICAT, H750T, H750TCP, H2750ICAT, H2750RICAT, H550ICAT, H550RICAT, E550ICAT, E550RICAT, E750ICAT, E750RICAT,
HALO LED Retrofit	ML7BXRFK, ML7E26RFK
Standard Housings	H7ICAT, H7ICT, H7T, H7ICATNB, H7ICTNB, H7TNB, H7UICAT, H7TCP, H7RICAT, H7RICT, H7RT, E7ICAT, E7ICATNB, E7RICAT, E7RTAT, E7TAT, E7TATNB, H7UICAT, H7ICATNB, H7ICTNB, H7TNB, H7UICAT
Shallow Housings	H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT, EI2700AT, EI2700, EI2700R, ET2700, ET2700R, E27ICAT, E27RICAT, E27TAT, E27RTAT
Junction Box Housing	H750FR2ICAT

### HOUSINGS - UL Classified for retrofit compatibility

**Note:** Compatible with any 6" diameter recessed housing with an internal volume that exceeds 115 in<sup>3</sup> 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**

<sup>1</sup> This fixture is UL Certified for use with any 6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9" in<sup>3</sup> in 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](http://www.cooperlighting.com/warranty)

## Energy Data

### RSQ6LS9FSD2W1EWH - 3000K

Lumens	600/1000
Input Voltage	120V
Input Current	0.056A / 0.093A
Input Power	6.56W / 11.08W
Efficiency	78% / 82%
Inrush	2.4A
THD	13.2% / 7.6%
PF	0.94 / 0.98
Sound Rating	<=22dba

Catalog Number	CCT	Watts	lumens	LPW	CRI
RSQ6LS9FSD2W1EWH 600 Lumen Setting	2700K	6.2	680	109.7	92
	3000K	6.2	690	111.3	92
	3500K	6.2	700	112.9	92
	4000K	6.2	705	113.7	92
	5000K	6.2	705	113.7	92

Catalog Number	CCT	Watts	lumens	LPW	CRI
RSQ6LS9FSD2W1EWH 1000 Lumen Setting	2700K	10.5	1060	101	92
	3000K	10.5	1075	102.4	92
	3500K	10.5	1090	103.8	92
	4000K	10.5	1097	104.5	92
	5000K	10.5	1085	103.3	92

## Photometric Data

**RSQ6LS9FSD2W1EWH-1000lm-3000K**  
 Spacing criterion:  
 (0-180) 1.17 | (90-270) 1.17 | (Diagonal) 1.28  
 Beam Angle: 95°  
 Field Angle: 146°  
 Lumens: 1075  
 Input Watts: 10.5 W  
 Efficacy: 102.4 LPW  
 UGR: 20  
 Test Report: P710807

Zonal Lumen	Lumens	% Lumens
0-30	351	32.7
0-40	560	52.1
0-60	921	85.7
0-90	1074	99.9

<b>TM-30-15</b>	Rf = 92
	Rg = 100
<b>CRI/CIE</b>	Ra = 96.2
	R9 = 73.9

CCT - Range of 2700K- 5000K

95°