DESCRIPTION

The RSQ5 is an integrated LED module / trim with a square shallow lens suitable for new construction, remodel and retrofit installation. Certified for use with Halo and compatible 5" housings and can be used with housings in direct contact with insulation. Integral gasket provides airtight compliance in non-airtight housings, provides code compliance and additional energy savings. Use for general area lighting in low to medium height ceilings where energy savings and long life are desired.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

MODULE
- Module / trim is field interchangeable and upgradable, LED module consists of LED array, optical assembly, driver and self-flanged trim
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 70,000 hours in IC and non-IC applications.

LED ARRAY
- Plurality of mid-power LEDs provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM provides color accuracy and uniformity
- Available in 2700, 3000, 3500 and 4000 K fixed CCT
- Optional field selectable color temperature, select from 2700, 3000, 3500, 4000 and 5000 K CCT

OPTICAL ASSEMBLY
- Precision molded optic organizes source flux into wide distribution, useful for general area lighting
- Regressed flat lens provides uniformity
- Meets Energy Star color angular uniformity requirements, color deviation is less than 0.006 u' v

CONNECTORS
- Two-conductor wire mount CJT type connector is rated for 120V and mates with LED housings or E26 adapter (provided)

DRIVER
- Standard 1E constant current driver option with 120V 60 Hz input provides quiet operation
- Leading or trailing edge phase cut dimming to 5% with select controls, meets CAT24 flicker requirements

RETENTION
- Steel torsion springs hold module securely in the housing
- Rotates ± 45° allowing trim to be aligned with architecture
- Module / trim can be removed from below the aperture for service or replacement
- Optional friction blades (provided) for installation in housings without torsion spring receivers

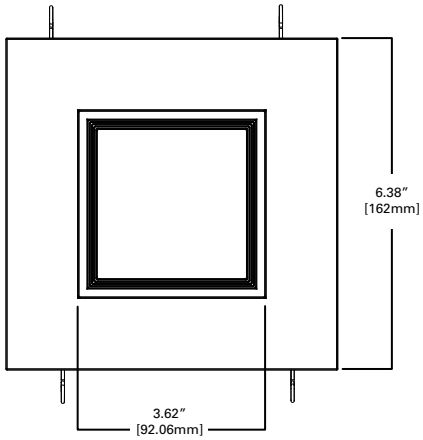
TRIM
- Die cast aluminum trim can be removed in the field and replaced with optional designer series trims to match many décors
- Step baffle provides additional cutoff to source

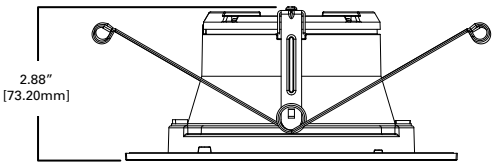
GASKETS
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

COMPLIANCE
- UL Certified Safety, US & CA when used with Halo and other's housings, see instruction sheet for conditions of acceptability
- Wet location listed and IP55 ingress protection rated, covered ceiling only
- Airtight per ASTM-E283-04
- 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 LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting
- Certified to State of California Title 20, State-regulated LED Lamp; reference Modernized Appliance Efficiency Database System (MAEDBS) for State-regulated LED Lamp
- ENERGY STAR® certified, reference "Certified Light Fixtures" database

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

DIMENSIONS





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.



RSQ5

5-Inch Square All-Purpose LED Retrofit Module

Up to 900 Lumens

5 seleCCTable™ colors

2700K • 3000K • 3500K
4000K • 5000K

ENERGY DATA	
Lumens	900 Series
Input Voltage	120V
Input Current	82 (mA)
Input Power	9.8 (W)
Inrush (A)	0.69 @ 14mS
THD	≤ 20%
PF	≥ 0.90
T Ambient	-40° - +40°C
Sound Rating	≤ 21dba

ORDERING INFORMATION

SAMPLE NUMBER: RSQ5089301EMWWB

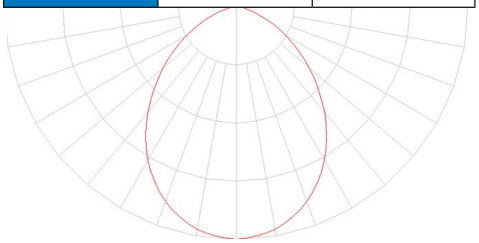
Models	Lumens	CRI / CCT	Driver	Finish	Accessories
RSQ5 = 5″ all- purpose square LED module	**08** = 800 lumens (nominal)	**927** = 90 CRI (min), 2700 K CCT **930** = 90 CRI (min), 3000 K CCT **935** = 90 CRI (min), 3500 K CCT **940** = 90 CRI (min), 4000 K CCT **9FS** = 90 CRI minimum, field selectable CCT, choose 2700, 3000, 3500, 4000 or 5000 K CCT	**1E** = 120V 60Hz, LE &TE phase cut 5% dimming with select dimmers	**MWWB** = matte white flange and baffle	**RSQ5TRMMW** = 5″ square trim, matte white flange and splay, field paintable **RSQ5TRMSNB** = 5″ square trim, satin nickel flange and baffle **RSQ5TRMTBZB** = 5″ square trim, tucson bronze flange and baffle

Housings

H550ICAT = 5″ IC, airtight, new construction LED housing, 120/277V
H550RICAT = 5″ IC, airtight, remodeler LED housing, 120/277V
E550ICAT = 5″ IC, airtight, new construction LED housing, 120/277V
E550RICAT = 5″ IC, airtight, remodeler LED housing, 120/277V
E5ICAT = 5″ IC, airtight, new construction E26 housing, 120V
E5RICAT = 5″ IC, airtight, remodeler E26 housing, 120V
E5RTAT = 5″ Non-IC, airtight, remodeler E26 housing, 120V
E5TAT = 5″ Non-IC, airtight, new construction E26 housing, 120V
E5TATNB = 5″ Non-IC, airtight, new construction, no socket bracket E26 housing, 120V
H25ICAT = 5″ IC, airtight, shallow new construction E26 housing, 120V
H25ICATNB = 5″ IC, airtight, shallow new construction, no socket bracket E26 housing, 120V
H5ICAT = 5″ IC, airtight, new construction E26 housing, 120V
H5ICATNB = 5″ IC, airtight, new construction, no socket bracket E26 housing, 120V
H5RICAT = 5″ IC, airtight, remodeler E26 housing, 120V
H5RT = 5″ Non-IC, remodeler E26 housing, 120V
H5T = 5″ Non-IC, new construction E26 housing, 120V
H5TNB = 5″ Non-IC, new construction, no socket bracket E26 housing, 120V

PHOTOMETRIC DATA

RSQ5089FS1EMWWB (3000K)		
Luminaire lumens		830
Input watts		9.4
LER (LPW)		88.3
Spacing Criteria	0-180	1.16
	90-270	1.16
	Diagonal	1.26
Beam angle (degrees)		90.3
Field angle (degrees)		143.9
Zonal lumen	Lumens	% Lumens
0-30	287	34.5
0-40	453	54.5
0-60	723	87.1
0-90	830	100



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

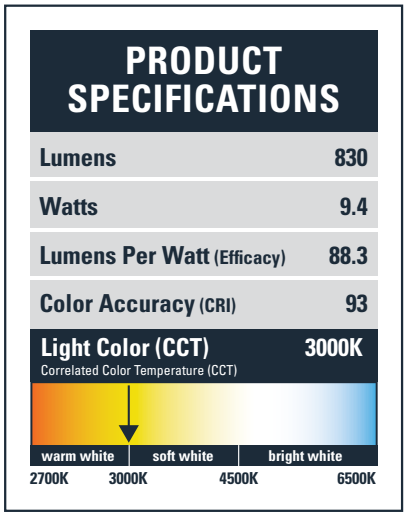
Color Metric Summary - 3000K

TM-30-15	R_f = 90
	R_g = 98
CRI/CIE	R_a = 93
	R_9 = 67



CCT - Range of 2700K- 5000K

Product Specifications



CATALOG NUMBER	CCT	CRI	Lumens	Power (W)	LPW
RSQ5089FS1EMWWB	2700K	91	812	9.3	87.3
RSQ5089FS1EMWWB	3000K	93	830	9.4	88.3
RSQ5089FS1EMWWB	3500K	94	872	9.4	92.8
RSQ5089FS1EMWWB	4000K	94	885	9.3	95.2
RSQ5089FS1EMWWB	5000K	92	905	9.3	97.3