Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO

RA4 | Selectable CCT

4" All-Purpose LED retrofit module with SeleCCTable switch 600 Lumen Series

Typical Applications

Residential

Interactive Menu

Product Certification

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

Efficiency Standards
T24
Can be used to comply with 2016 Title 24 Part 6 LED Enclosed Light Source Requirements (JA8)

Efficiency Standards
T20
California Title 20 Certified LED Tier 1 Lamp

UL CERTIFIED SAFETY

RoHS COMPLIANT

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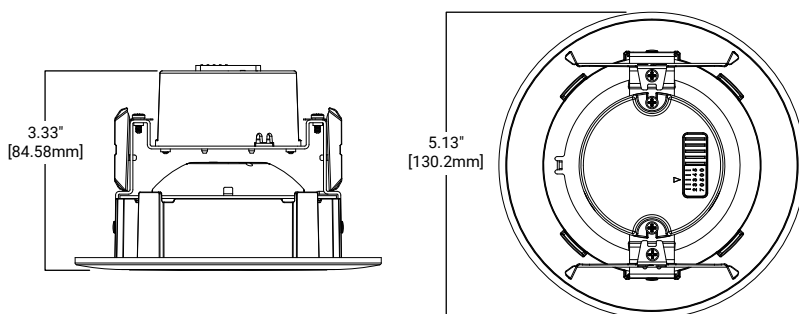Certified to California Appliance Efficiency Database under JA8.

Product Features

5 seleCCTable colors
2700K • 3000K • 3500K
4000K • 5000K
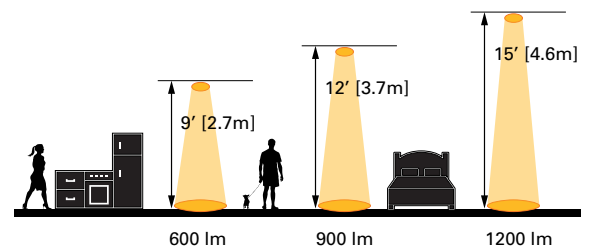
IC RATED

damp location

Top Product Features

- Adjustable gimbal offers 35-degree tilt and up to 360-degree rotation
- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT
- 600 lumen series
- Use with 4" housings with screw-base adapter included
- Dimmable down to 5%

Dimensional and Mounting Details

3.33"
[84.58mm]

5.13"
[130.2mm]

Scale

9' [2.7m]

12' [3.7m]

15' [4.6m]

600 lm   900 lm   1200 lm

For use in insulated ceiling and non-insulated ceiling rated housing.
High-efficacy LED with Integral Driver – Dimmable

COOPER Lighting Solutions

Order Information

SAMPLE ORDER NUMBER: **RA4069S1EWH**

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

Models	Lumens	CRI/CCT	Driver	Finish
Models	**Lumens**	**CRI/CCT**	**Driver**	**Finish**
RA4= 4" LED Adjustable Gimbal	**06** = 600 lumens (nominal)	**9S** = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K	**1E =** 120V 60Hz leading or trailing edge phase cut 1% dimming	**WH** = Matte white baffle

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 **H450FR2ICATD010**= 4" fire safe new construction housing for phase-cut and 0-10V LED retrofit modules, 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

Product Specifications

CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

Module - Trim
- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
- Regressed 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.
- Up to 360-degree rotation
- 35-degree tilt
- Halo matte white paint finish

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 at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Driver
- Integral 120V 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
- See Dimming Guide for compatible dimmers

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)
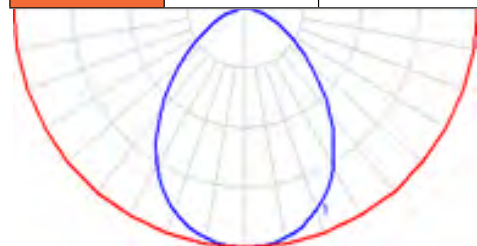
Compliance
- UL Certified
- Damp location listed
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used 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) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

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

Photometric Data

RA4069S1EWHR-3000K		
Luminaire lumens		615
Input watts		7.0
LER (LPW)		87.9
Spacing Criteria	0-180	1.14
	90-270	1.14
	Diagonal	1.20
Beam angle (degrees)		86.6
Field angle (degrees)		140.5
Zonal lumen	Lumens	% Lumens
0-30	227	36.9
0-40	353	57.5
0-60	541	87.9
0-90	615	100

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

Energy Data

Energy Data @ 3000K	
Lumens	600 Series
Input Voltage	120V
Input Current	.065 (mA)
Input Power	7.0 (W)
Efficiency	87.9 %
Inrush (A)	.51
THD: ≤ 20%	
PF: ≥ 0.90	
T Ambient -30 - +40°C	
Sound Rating ≤ 20dba	

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	615
Watts	7.0
Lumens Per Watt (Efficacy)	87.9
Color Accuracy (CRI)	93
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

warm white | soft white | bright white
2700K | 3000K | 4500K | 6500K

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Specifications and dimensions
subject to change without notice.

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