Project	Catalog #	Туре	
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

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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 JA8.

Product Features



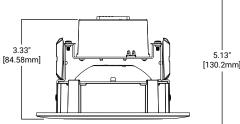


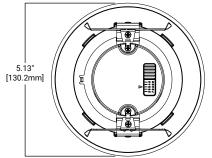


Top Product Features

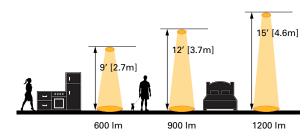
- · Adjustable gimbal offers 35-degree tilt and up to 360-degree rotation
- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT
- · 600 lumen series
- Use with 4" housings with screw-base adapter included
- Dimmable down to 5%

Dimensional and Mounting Details





Scale



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



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Order Information

SAMPLE ORDER NUMBER: RA4069S1EWH

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

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

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

H99TAT = 4" non-IC, airtight shallow new construction housing, E26, 120V H99RTAT = 4" non-IC, airtight shallow remodeler housing, E26, 120V

H99RTAT= 4" non-IC, airtight shallow new construction housing, E26, 120V

E4TATSB= 4" non-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, $3500\mbox{K},\,4000\mbox{K},\,\mbox{and}\,\,5000\mbox{K}$ 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

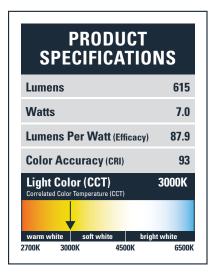


Photometric Data

RA4069S1EWHR-3000K				
Luminair	615			
Input	7.0			
LER (87.9			
	0-180	1.14		
Spacing Criteria	90-270	1.14		
	Diagonal	1.20		
Beam angle	86.6			
Field angle	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.

Product Specifications



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				