Description

The Halo Home RL4 is an integrated LED module with Bluetooth® Mesh connectivity for 4" aperture recessed downlights. When paired with the Halo Home mobile app or Halo Home in-wall dimmers, the RL4 can be wirelessly controlled. Suitable for new construction, remodel and retrofit installation. Listed for use with Halo 4" housings and classified for use with other 4" housings, airtight and can be used with housings in direct contact with insulation. The RL4 is designed to connect to the Halo Home Bluetooth Mesh network with no hub or internet connection required.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

Wireless System
- For use with the Halo Home mobile app.
- Bluetooth low energy (BLE) mesh allows on/off, white tuning and lumen output to be controlled wirelessly with companion wall switches, smart phones and tablets using Halo Home mobile application.
- Group, schedule, scenes and automate lighting actions through Halo Home mobile app.

Wireless Pairing
- See Halo quick start guide for wireless setup, guidance and troubleshooting.

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.

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 within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has an adjustable range from 2700K to 5000K within the mobile app (factory default 3000K)
- 50,000 hour life

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

Driver
- Integral 120V 50/60 Hz constant current driver provides noise free operation
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- Consult instruction sheets and quick start guide for more information

Dimming
- In the mobile app, continuous, flicker-free dimming from 100% to 5%.
- It is not recommended with any in wall dimmers.

Retention
- Push-N-Twist universal installation clips
- Clips are pre-installed and designed to fit 4" compatible recessed housings

Designer Skins (sold separately)
- RL4 skins are accessory rings that attach to the RL4 for a permanent finish. Refer to the RL4 accessories specification sheet for details.
  - White (Paintable)
  - Satin Nickel
  - Tuscan Bronze

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

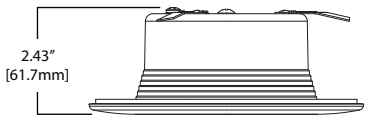
Compliance
- cULus certified for use with Halo housings and other's housings
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES 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
- Lighting Facts labeled
- FCC ID: 2AKCY-RL4BLE
- IC Code: 4706A-RL4BLE

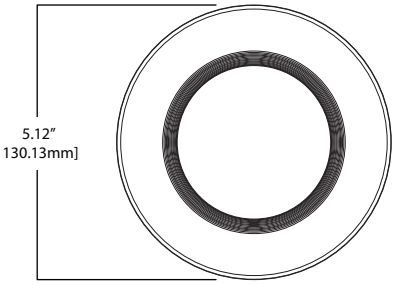
Warranty
Five year limited warranty, consult website for details.
www.cooperlighting.com

Discontinued 02-02-2018

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.

Dimensions





Halo Home RL4

4-Inch All-Purpose LED Retrofit Module with Bluetooth Mesh Connectivity

90 CRI

CCT Adjustable

Range from 2700K-5000K

FOR USE IN INSULATED CEILING AND NON-INSULATED CEILING RATED HOUSINGS

HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

ENERGY DATA	
Input Voltage	120V
Input Current	.069 A
Input Power	8 W
Inrush (A)	2.3 A
THD: ≤ 20%	
PF: ≥ 0.90	
T Ambient -40 - +40°C	
Sound Rating ≤ 22.5dba	

Ordering Information

SAMPLE NUMBER: RL4069BLE40AWH
A complete luminaire consists of a housing, and LED module, order separately.

Models	Lumens	CRI/CCT	Protocol	Finish	Accessories
RL4= 4" all- purpose retrofit LED module	**06**=600 lumens (nominal)	**9**=90 CRI minimum, white tuning, select CCT 2700K – 5000K, in the mobile app	**BLE40A** =Bluetooth Mesh wireless control, 4.0	**WH**=Matte white baffle	**RL4TRMWHB** =4" White Paintable Trim Ring, Baffle **RL4TRMSNB** =4" Satin Nickel Trim Ring, Baffle **RL4TRMTBZB** =4" Tuscan Bronze Trim Ring, Baffle **RL4TRMWH** =4" White Paintable Trim Ring **RL4TRMSN** =4" Satin Nickel Trim Ring **RL4TRMTBZ** =4" Tuscan Bronze Trim Ring

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

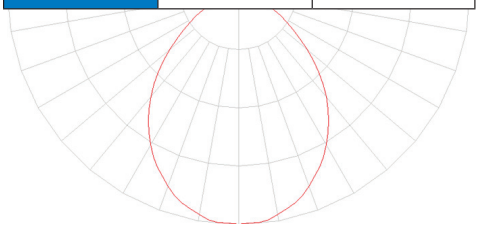
Halo LED Housings
H995ICAT=4" IC, airtight shallow new construction housing, LED, 120 - 277V
H995RICAT=4" IC, airtight shallow remodeler housing, LED, 120 - 277V

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

Discontinued
02-03-2026

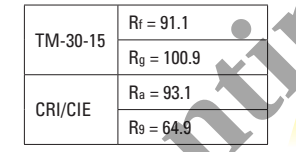
Photometric Data

RL4069BLE40AWH		
Luminaire lumens		575
Input watts		7.6
LER (LPW)		75.7
Spacing Criteria	0-180	1.18
	90-270	1.18
	Diagonal	1.26
Beam angle (degrees)		93.1
Field angle (degrees)		141.1
Zonal lumen	Lumens	% Lumens
0-30	203	35.3
0-40	322	56
0-60	511	88.8
0-90	575	100



Color Metric Summary*

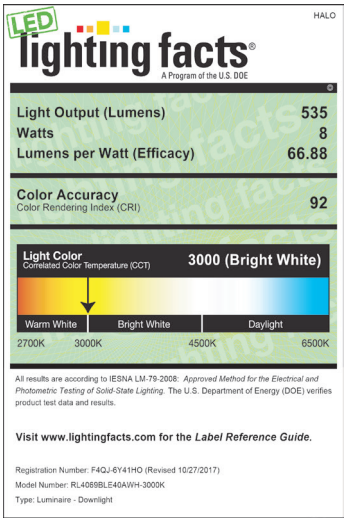
TM-30-15	R_f = 91.1
	R_g = 100.9
CRI/CIE	R_a = 93.1
	R_9 = 64.9



*factory default 3000K

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

Lighting Facts



COOPER Lighting Solutions

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Specifications and dimensions subject to change without notice.