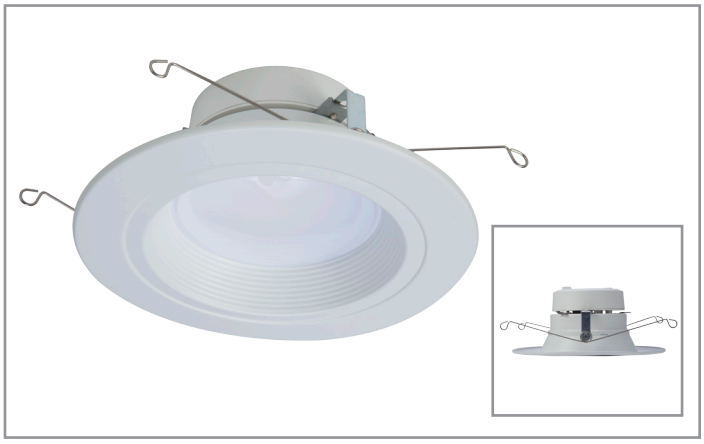
Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO HOME™

RL56 | Lumen Select

5-inch/6-inch All-purpose LED retrofit module with Bluetooth® Mesh connectivity

Typical Applications

Residential

Interactive Menu

- Order Information page 2
- Product Specifications page 3
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- Energy & Performance Data page 4
- Product Warranty

Product Certification

ENERGY STAR · IECC International Energy Conservation Code High Efficacy Compliance · Efficiency Standards T24 · Efficiency Standards T20 California Title 20 Certified LED Tier 1 Lamp · FC · RoHS Compliant · UL Certified Safety

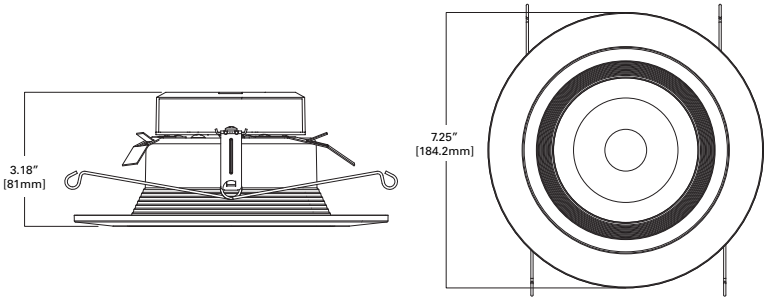
Product Features

adjustable white · 600 900 1200 LUMEN PRESETS · airadapt · Showerlight · Download on the App Store · GET IT ON Google Play

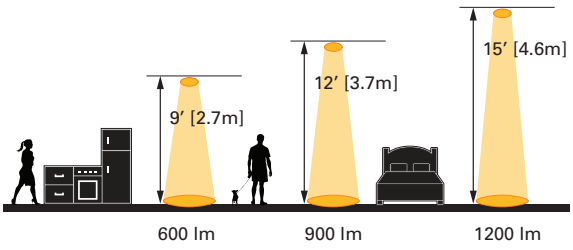
Top Product Features

- Selectable lumens: set max lumen output at 600, 900 or 1200 lumens
- Adjustable white tuning: 2700K - 5000K, 90 CRI
- Connect to the HALO Home Bluetooth Mesh network, no hub required
- Suitable for new construction, remodel and retrofit
- Listed for use with HALO 5" & 6" housings. Classified for use with other 5" & 6" housings

Dimensional and Mounting Details



Scale



Order Information

Icon Key: Δ Configurable Product

SAMPLE ORDER NUMBER: **RL56129BLE40AWH**

Models | Lumens | CRI/CCT | Protocol | Finish

Standard Driver 120-277VAC, 0-10V analog dimming

Models	Lumens	CRI/CCT	Protocol	Finish
RL56 = 5"/6" all- purpose retrofit LED module	**12** = 1200 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
Notes	**Notes**	**Notes**	**Notes**	**Notes**

Accessories

Accessories
Designer Trims **RL56TRMWHB =** 5"/ 6" White Paintable Trim Ring, Baffle **RL56TRMSNB =** 5"/ 6" Satin Nickel Trim Ring, Baffle **RL56TRMTBZB =** 5"/ 6" Tuscan Bronze Trim Ring, Baffle **RL56TRMWH =** 5"/ 6" White Paintable Trim Ring **RL56TRMSN =** 5"/ 6" Satin Nickel Trim Ring **RL56TRMTBZ =** 5"/ 6" Tuscan Bronze Trim Ring
Notes

Product Specifications

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
- Setup groups, scenes and schedules to automate lighting with the HALO Home mobile app

Wireless Pairing
- See HALO Home Quick Start Guide for wireless setup, guidance and troubleshooting: www.cooperlighting.com

Bluetooth Mesh
- HALO Home products work better together. Smartphone(s) will need to be within range of HALO Home device to control
- Expand and strengthen the Bluetooth network range by adding HALO Home devices. Learn more at www.cooperlighting.com

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
- Use the HALO Home app to set maximum light output - choose between 600, 900 or 1200 lumens
- 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 60 Hz constant current driver provides noise free operation
- Inline electrical quick connect and E26 adapter (included) provides mains connections
- Consult instruction sheets and Quick Start Guide for more information

Dimming
- Continuous, flicker-free dimming from 100% to 5%
- Only dimmable with HALO Home devices or app

Retention
- Integral torsion springs and Push-N-Twist universal installation clips offer 2 mounting options
- Both mounting options are pre-installed and designed to fit 5" & 6" compatible recessed housings

Designer Skins (sold separately)
- RL56 skins are accessory rings that attach to the RL56 for a permanent finish. Refer to the RL56 accessories specification sheet for details
  - White (Paintable)
  - Satin Nickel
  - Tuscan Bronze

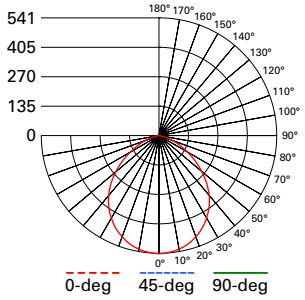
Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL 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
- FCC ID: 2AKCY-RL4HLBLE
- IC Code: 4706A-RL4HLBLE

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

Photometric Data

View IES files



RL56129BLE40AWH-3000K
Spacing criterion: (0-180) 1.22
(90-270) 1.22
(Diagonal) 1.3
Beam Angle: 97.7°
Field Angle: 145.6°
Lumens: 1242
Input Watts: 14.2 W
Efficacy: 87.46 LPW
Test Report:
RL56129BLE40AWH-3000K.ies

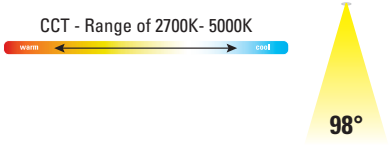
Zonal Lumen	Lumens	% Lumens
0-30	411.1	33.1
0-40	660.7	53.2
0-60	1083.0	87.2
0-90	1242.0	100

Note: Refer to IES files for more product data.

Energy and Performance Data

Color Metrics - TM-30-15 & CRI/CIE (3000K)

TM-30-15	Rf = 91
	Rg = 100
CRI/CIE	Ra = 92
	R9 = 74

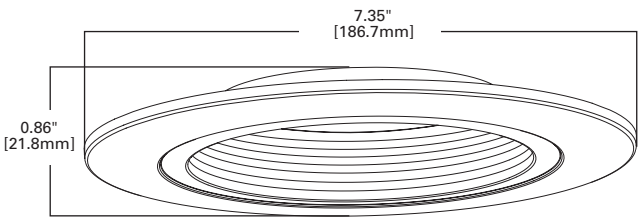


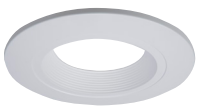
Color Temperature Multipliers

		LUMENS	POWER (W)	LPW
App Adjustable CCT	2700K	1211	13.9	87.1
	3000K	1242	14.2	87.5
	3500K	1261	14.2	88.8
	4000K	1274	14.2	89.7
	5000K	1279	14.1	90.7

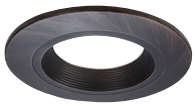
Dimensional Details

Designer Trim - Baffle

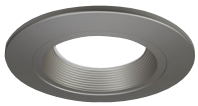




RL56TRMWHB
White (Paintable)

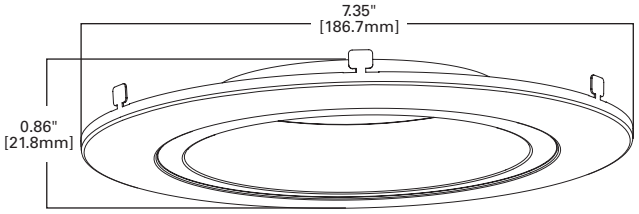


RL56TRMTBZB
Tuscan Bronze



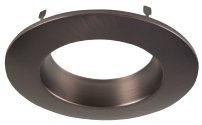
RL56TRMSNB
Satin Nickel

Designer Trim - Splay





RL56TRMWH
White (Paintable)



RL56TRMTBZ
Tuscan Bronze



RL56TRMSN
Satin Nickel

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Specifications and dimensions
subject to change without notice.