

## DESCRIPTION

The Halo RL560 is a complete LED Baffle-Trim Module for 5" and 6" aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The RL560 is cULus Listed for use with Halo and All-Pro, and is UL Classified for use with other compatible 5" and 6" housings. The RL560 with integral LED driver offers 120 volt dimming capability. The RL560 lens provides uniform illumination and wet location listing. The die-cast construction makes any housing AIR-TITE for added HVAC savings and code compliance.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### MECHANICAL Module - Trim

- Module includes LED, heat sink, reflector, lens, baffle-trim and driver
- Durable die-cast aluminum construction
- Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments
- Halo matte white paint finish
- Halo satin nickel plated finish

### Lens

- Impact-resistant polycarbonate
- Convex form for lamp-like appearance
- High lumen transmission
- Diffusing for even illumination

### MOUNTING

#### Torsion Spring Brackets

- Precision formed torsion spring brackets secure torsion springs to fit compatible housings with torsion spring mounting tabs.

#### 5" & 6" Friction Blade Kit

- Stainless steel friction blades provide alternative to torsion springs for retrofit in 5" and 6" housings without torsion spring mounting tabs.
- Friction blade design allows the RL560 to be installed in any position within the housing aperture (360 degrees).
- Replacement Kit: model RL56CLIP

#### Housing Compatibility

See Housing Compatibility

### LED

- 600 lumens
- Color Temperature: 3000K
- CRI: 83
- Lumen Maintenance: L70/B50 70% lumens / 50,000 hours
- Efficacy 64 Lumens per Watt
- LED is a chip on board design consisting of a multiple LED package to create one virtual light source for a productive "cone of light"

### ELECTRICAL

#### Power Connections

- LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5" H550 Series and 6" H750 Series housings.

- LED Connector meets California Title-24 high-efficacy luminaire requirement for a non-screw base socket, and where required to qualify as a high-efficacy luminaire.
- The included E26 medium screw-base Edison adapter provides easy retrofit of incandescent housings (see Housing Compatibility).

#### Ground Connection

- Separate grounding cable included on the module for attachment to the housing during installation.

#### LED Driver

- Dimmable driver is a 120 Volt, high efficiency, electronic power supply providing DC power to the LED.
- Driver meets FCC EMI/RFI Consumer Level limits for use in residential and commercial installations.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is specifically designed for compatibility with RL560 series LED.

#### Dimming

- The Halo RL560 LED module is designed for dimming capability to 15% in normal operation with standard 120V electronic low voltage, LED-Rated, and many incandescent dimmers.

The RL560 has dimming capability to 5% with select dimmers with low end trim adjustment. (Consult dimmer manufacturer for dimmer compatibility and details. Note, some dimmers require a neutral in the wallbox.)

### Warranty

Cooper Lighting provides a five year limited warranty on RL56 LED.

### Compliance Labels

- UL/cUL Listed 1598 Luminaire (with listed Halo and All-Pro housings)
- UL Classified (with other housings - see Housing Compatibility)
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location - Shower Applications
- IP56 Ingress Protection rated
- May be installed in housings in direct contact with air permeable insulation and combustible material

### Qualification

- ENERGY STAR® qualified
- Can be used for State of California Title 24 high efficacy luminaire compliance
- Can be used for International Energy Conservation Code (IECC) high efficacy luminaire compliance

### IC and AIR-TITE™

Certified under ASTM-E283 and listed UL/cUL 1598 with compatible housings, may be used to meet insulated ceiling and restricted air-flow requirements such as:

- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code (NY-ECCC)
- State of California Title 24 "Recessed Luminaires in Insulated Ceilings."



**RL560WH - White**



**RL560SN - Satin Nickel**

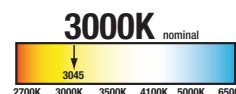
**5-Inch / 6-Inch LED Recessed Retrofit Baffle-Trim Module with LED Connector and E26 Medium Screw-base Adapter**

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

**HIGH EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE**

### LED Lighting Data:

Lumens: ..... 600  
Correlated Color Temperature (CCT): ..... 3000K  
Color Rendering Index (CRI, Ra): ..... 83



### RL560 Series Energy Data:

(Values at non-dimming line voltage)

Minimum Starting Temp: -30°C (-22°F)

EMI/RFI: FCC Title 47 CFR, Part 18, Class B (Consumer)

Sound Rating: Class A standards

Input Voltage: 120V

Power Factor: >0.90

Input Frequency: 50/60Hz

THD: <20%

Rated Wattage: 10W

Input Power: 9.4W

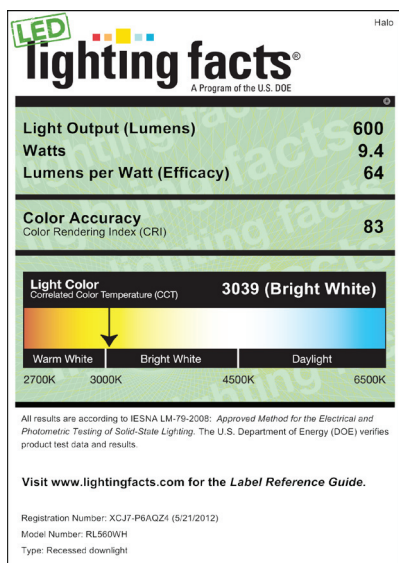
Input Current: .15A

Maximum IC (Insulated Ceiling) Ambient Continuous Operating Temperature: 25°C (77°F)

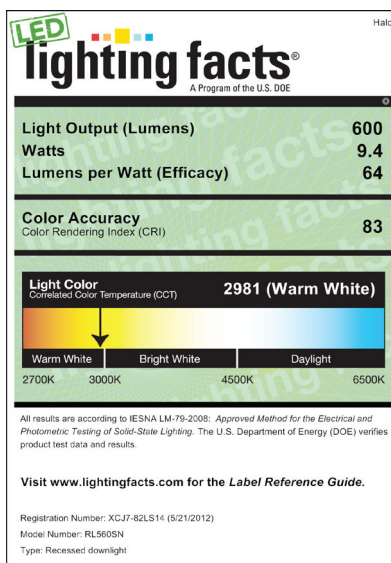
Maximum Non-IC Ambient Continuous Operating Temperature 40°C (104°F)

## LIGHTING FACTS

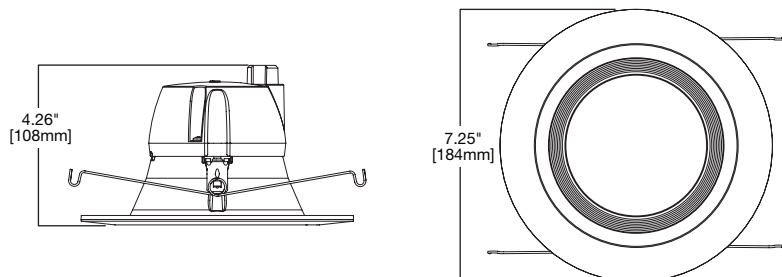
### RL560WH



### RL560SN



## DIMENSIONS



## ORDERING INFORMATION

### SAMPLE NUMBER: RL560WH

Complete unit includes a RL560 Baffle-Trim LED Module and a 5" and 6" compatible housing, ordered separately.

#### RL56 Series

**RL560WH**= 6" Retrofit Baffle - Trim LED Module, Matte White  
**RL560SN**= 6" Retrofit Baffle - Trim LED Module, Satin Nickel

#### Accessory (order separately)

**RL56CLIP**=Replacement kit of 5" and 6" Friction Clips for retrofitting into an existing housing without torsion spring receiving brackets.  
**OT400P**=Oversize Flat White Metal Trim Ring 6" I.D. x 9-1/4" O.D. (ring slips behind RL560 ring, in stepped configuration)  
**OT403P**=Oversize White Plastic Trim Ring 6" I.D. x 8" O.D. (ring slips behind RL560 ring, in stepped configuration)  
**TRM690WH**=Oversize Matte White Metal Trim Ring. Designed for RL560 ring to inset into oversize ring for an even (non-stepped) trim surface

HOUSINGS - Halo and All-Pro UL Listed Compatibility

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)

HALO	Recessed Can Size	Catalog Number	Description
	5"	H550ICAT	5" LED, Insulated Ceiling, AIR-TITE, New Construction Housing
		H550RICAT	5" LED, Insulated Ceiling, AIR-TITE, Remodel Housing
	6"	H750ICAT	6" LED, Insulated Ceiling, AIR-TITE, New Construction Housing
		H750RICAT	6" LED, Insulated Ceiling, AIR-TITE, Remodel Housing
		H750T	6" LED, Non-IC, AIR-TITE, New Construction Housing
		H750TD010	6" LED, Non-IC, AIR-TITE, New Construction Housing, 0-10V DC Dimming
		H750TCPD010	6" LED, Non-IC, AIR-TITE, New Construction/Remodel Chicago Plenum Housing, 0-10V DC Dimming
		H750RINTD010	6" LED, Non-IC, AIR-TITE, Remodel International Housing, 0-10V DC Dimming
		H750RTD010	6" LED, Non-IC, AIR-TITE, Remodel Housing, 0-10V DC Dimming
		H750TCP	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
		H2750ICAT	6" LED, Shallow, Insulated Ceiling, AIR-TITE, New Construction Housing

Compatible Halo Incandescent E26 Screwbase Housings

HALO	5"	H5ICAT	5" Insulated Ceiling, AIR-TITE New Construction Housing
		H5RICAT	5" Insulated Ceiling, AIR-TITE Remodel Housing
		H5T	5" Non-IC, New Construction Housing
		H5RT	5" Non-IC, Remodel Housing
		H5TM	5" Non-IC, New Construction Housing (metric version - Canada)
		H25ICAT	5" Shallow, Insulated Ceiling, AIR-TITE New Construction
	6"	H7ICAT	6" Insulated Ceiling, AIR-TITE New Construction Housing
		H7RICAT	6" Insulated Ceiling, AIR-TITE Remodel Housing
		H7ICT	6" Insulated Ceiling, New Construction Housing
		H7RICT	6" Insulated Ceiling, Remodel Housing
		H7ICATNB	6" Insulated Ceiling, AIR-TITE New Construction Housing, No Socket Bracket
		H7ICTNB	6" Insulated Ceiling, New Construction Housing, No Socket Bracket
		H7T	6" Non-IC, New Construction Housing
		H7RT	6" Non-IC, Remodel Housing
		H7TNB	6" Non-IC, New Construction Housing, No Socket Bracket
		H7TCP	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing
		H7UICT	6" Insulated Ceiling, Universal New Construction Housing
		H7UICAT	6" Insulated Ceiling, Universal, AIR-TITE, New Construction Housing
		H27ICAT	6" Shallow, Insulated Ceiling, AIR-TITE New Construction Housing
		H27RICAT	6" Shallow, Insulated Ceiling, AIR-TITE Remodel Housing
		H27ICT	6" Shallow, Insulated Ceiling, New Construction Housing
		H27RICT	6" Shallow, Insulated Ceiling, Remodel Housing
		H27T	6" Shallow, Non-IC, New Construction Housing
		H27RT	6" Shallow, Non-IC, Remodel Housing

Halo LED Retrofit Enclosures

HALO	6"	ML7BXRFK	6" Retrofit Enclosure, Non-IC, BX Whip
		ML7E26RFK	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface

## HOUSINGS - Halo and All-Pro UL Listed Compatibility (continued)

## Compatible All-Pro Incandescent E26 Screwbase Housings

All-Pro	Recessed Can Size	Catalog Number	Description
	5"	EI500AT	5" Insulated Ceiling, AIR-TITE New Construction Housing
		EI500RAT	5" Insulated Ceiling, AIR-TITE Remodel Housing
		ET500	5" Non-IC, New Construction Housing
		ET500R	5" Non-IC, Remodel Housing
	6"	EI700AT	6" Insulated Ceiling, AIR-TITE New Construction Housing
		EI700RAT	6" Insulated Ceiling, AIR-TITE Remodel Housing
		EI700	6" Insulated Ceiling, New Construction Housing
		EI700R	6" Insulated Ceiling, Remodel Housing
		EI700ATNB	6" Insulated Ceiling, AIR-TITE New Construction Housing, No Socket Bracket
		EI700NB	6" Insulated Ceiling, New Construction Housing, No Socket Bracket
		EI700U	6" Insulated Ceiling, Universal New Construction Housing
		EI700UAT	6" Insulated Ceiling, Universal, AIR-TITE, New Construction Housing
		ET700	6" Non-IC, New Construction Housing
		ET700R	6" Non-IC, Remodel Housing
		EI2700AT	6" Shallow, Insulated Ceiling, AIR-TITE New Construction Housing
		EI2700	6" Shallow, Insulated Ceiling, New Construction Housing
		EI2700R	6" Shallow, Insulated Ceiling, AIR-TITE Remodel Housing
		ET2700	6" Shallow, Non-IC, New Construction Housing
		ET2700R	6" Shallow, Non-IC, Remodel Housing

## HOUSINGS - UL Classified for retrofit compatibility

RL560 is UL Classified for retrofit in the following 5" and 6" recessed housings:

<b>Juno</b>	IC22, IC22R, IC22W, IC22S, IC23, IC23W, IC21, IC21R, IC2, TC2, TC2R, IC20, IC20R, IC25, IC25R, IC25W, IC25S, TC20, TC20R
<b>Capri</b>	CR1, PR1, QL1, R9ASIC, R5*
<b>Lightolier</b>	1104ICS*, 1104ICR*, 1104SIC*†, 1104SICR*†, 1004ICS*, 1004ICR*, 1004SIC*†, 1004SICR*†
	1104ICX - Requires installation of ML7RAB retrofit adapter band accessory (not included).
<b>Progress</b>	P87-AT*, P86TG
<b>Lithonia</b>	L7X, L7XP
<b>Thomas</b>	PS1, R9ASIC/PS9RM
<b>Prescolite</b>	IBXS
<b>Commercial Electric</b>	C7ICA (H3), H18
<b>Elco</b>	(HL7ICA) EL7ICA

\*Requires replacement of torsion springs with friction clips (accessory replacement kit: RL56CLIP).

†Shallow Lightolier housings require can to be raised to highest position and two tabs inside socket cup to be bent outward.