

HI-LINE NOW OFFERS

ALL-PRO™ LED 

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\$39.97*

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DESCRIPTION

The All-Pro RL706830WBS LED Module-Trim is for use with Halo H750 LED series 6" aperture recessed housings. The RL706830WBS includes a dedicated LED connector for California Title-24 compliance using a non-screw base socket, and for where a non-screw base high-efficacy luminaire is required. The RL7 with integral LED driver offers 120 volt dimming capability. The RL7 lens provides uniform illumination and wet location listing. The RL7 die-cast construction makes any housing AIR-TITE for added HVAC savings and code compliance.

SPECIFICATION FEATURES

MECHANICAL Module-Trim

- Module construction includes LED, heat sink, reflector, lens, baffle and trim ring
- 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
- High Gloss Appliance White paint finish

Lens

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

MOUNTING

Torsion Spring Brackets

- Precision formed steel torsion spring brackets secure torsion springs to fit compatible housings with torsion spring mounting tabs.
- **Accessory (included):** 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 RL7 to be installed in any position within the housing aperture (360 degrees).

Housing Compatibility

RL706830WBS LED Retrofit Module is listed with HALO H750 Series housings: H750ICAT, H750RICAT, H750T, H750TCP

LED

- 636 lumens
- Color Temperature: 3000°K
- CRI: 81
- Lumen Maintenance: L70/50 70% lumens / 50,000 hours
- Efficacy 43.47 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 H750 Series housings.
- 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.
- HE26LED adapter available (order separately) if needed to accommodate a standard screw base ICAT housing.

Ground Connection

- Separate grounding cable included on the RL7 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 power factor >.90, THD <20% and has integral thermal protection in the event of over temperature or internal failure.
- Driver is specifically designed for compatibility with RL7 series LED.
- Driver mounts externally to the module, allowing future replacement, if needed.

Dimming

- The RL7 LED is dimmable to 15% with standard 120V electronic low voltage dimmers (recommended), and many incandescent / magnetic low voltage dimmers; and dims to 5% using dimmers with low end trim adjustment.
- **Note:** Standard incandescent dimmers require a minimum load of typically >40 watts on the circuit for full range dimming performance (four LED modules).
- **Note:** For dimming with digital (smart) multi-location dimmers or when dimming

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- fewer than four LED modules, electronic low voltage dimmers are required (ELV dimmers need a neutral connection in the wallbox).
- Refer to dimming application notes, and refer to dimmer manufacturers for compatibility.

Warranty

Cooper Lighting provides a three year limited warranty on RL7 LED.

COMPLIANCE Labels

- UL/cUL Listed
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location – Shower Applications
- 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."



RL706830WBS

**6-Inch LED
Recessed Retrofit
Module-Trim with
Dedicated LED High-
Efficacy Connector**

**For use with Halo H750
Series LED housings**

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

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

Energy Data (Typical)	
Min. Starting Temp -30°C (-22°F)	Sound Rating: Class A
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)	
Input Frequency: 50/60Hz	Power Factor: >0.90
THD: <20%	Input Voltage: 120V
Rated Wattage: 15W max.	Input Power: 14.5W Input Current: 121mA
Driver Compliance: UL60950, LPS rated	
Maximum IC (Insulated Ceiling) Ambient Continuous Operating Temperature: 25°C (77°F)	
Maximum Non-IC (NON-Insulated Ceiling) Ambient Continuous Operating Temperature: 40°C (104°F)	
LED Lighting Data	
Lumens: 636	Lumens per watt: 43.47
Correlated Color Temperature (CCT): 3000K	
Color Rendering Index (CRI, Ra): 81	



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