

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

RL 4" Recessed Baffle Canless Downlight

4" Baffle Recessed Canless LED Downlight mounts directly to the ceiling – no housing required. The selectable lumens, 6-position color selectability, and flicker-free 5% dimming allow for easy lighting customization.

Typical Applications Residential

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ENERGY STAR®



CERTIFIED



Efficiency Standards
Can be used to comply with California Title 24 Enclosed Light Source Requirements (LSE)



Can be used for
IECC
International Energy
Conservation Code
High Efficiency
Compliance



RoHS
COMPLIANT

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.¹
Certified to California Appliance Efficiency Database under JA8.



sellectable
colors

2700K • 3000K • 3500K

4000K • 5000K • D2W



dim-to-warm

option included



selectable
lumens



air-TITE



Showerlight

Top Product Features

- Round 4" canless downlight suitable for installation in IC (insulation contact) or non-IC applications
- Canless springs hold fixture to ceiling – no housing required
- **Lens & Trim:** Recessed baffle trim and curved diffuse lens
- **6-Position Switch:** 5-color Field-SeleCCTable (2700K, 3000K, 3500K, 4000K, 5000K) + Dim-to-warm (3000K dims to 1800K); 90+ CRI
- **Brightness (Lumens):** Lumen Select Switch - 695/955 lumens
- **Dimming:** Dims to 5% (phase cut LE/TE) with compatible dimmers; 120V input
- Decorative Overlays (sold separately)
- AIR-TITE, wet location-listed, and ENERGY STAR®
- 50,000 hrs of maintenance-free operation in damp or wet locations
- 5-year warranty

¹ T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

Order Information

Catalog Number	Module	Lumens	CRI/CCT	Driver	Finish	Packaging
RL4LS9FSD2W1EWHD	4-inch Round Canless LED Downlight	695/955 Selectable Lumens	90+ CRI, 6-Color Field-Selectable CCTable: 2700K, 3000K, 3500K, 4000K, 5000K, Dim-to-Warm	5% Phase Cut LED/TE Dimming, 120V 60Hz	Matte White	Recyclable 4-color plastic-free packaging

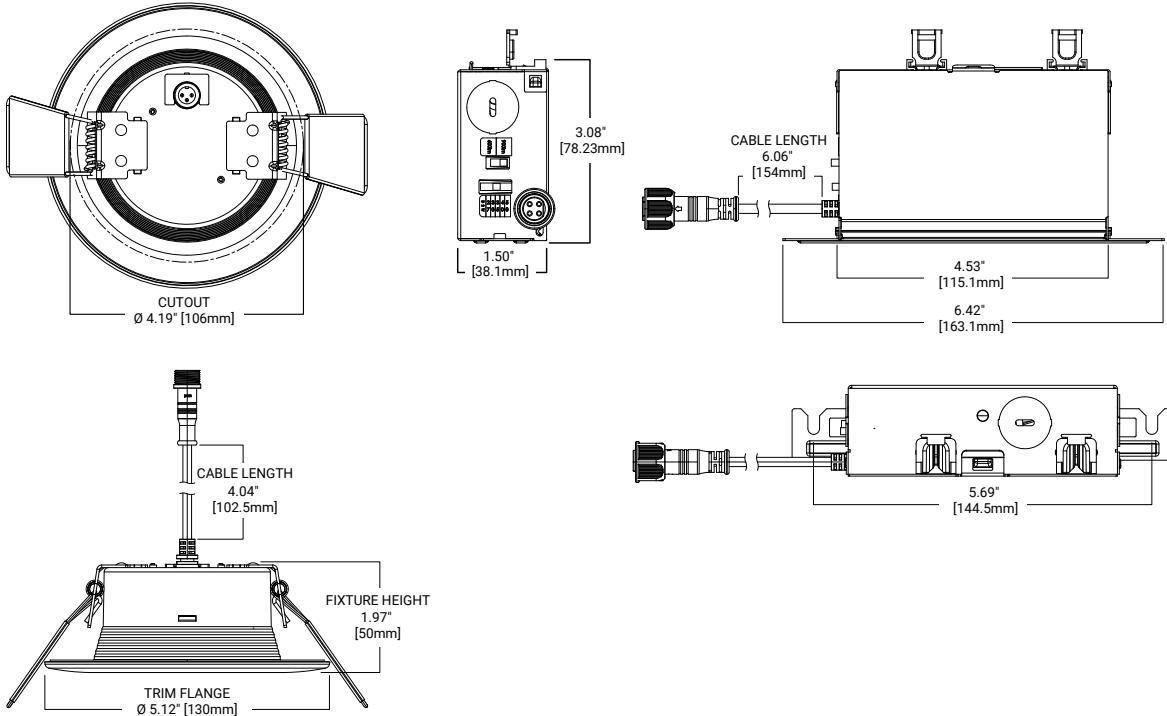
Accessories (sold separately)

Accessories
Decorative Overlays
RL4TRMWHB = 4" Round Decorative Overlay, Matte White, Baffle
RL4TRMWBB = 4" Round Decorative Overlay, Matte Black, Baffle
RL4TRMSNB = 4" Round Decorative Overlay, Satin Nickel, Baffle
RL4TRMTBZ = 4" Round Decorative Overlay, Tuscan Bronze, Baffle
RL4TRMWH = 4" Round Decorative Overlay, Matte White, Splay
RL4TRMMB = 4" Round Decorative Overlay, Matte Black, Splay
RL4TRMSN = 4" Round Decorative Overlay, Satin Nickel, Splay
RL4TRMTBZ = 4" Round Decorative Overlay, Tuscan Bronze, Splay
New Construction Mounting Frames²
MF4RC = 4" Round New Construction Mounting Frame with 1/2" Drywall Collar
HL4RSMF = 4" Round-to-Square New Construction Mounting Frame
New Construction Smash Plate³
SP346RS = 3" / 4" / 6" New Construction Smash Plate (4" & 6" openings convert round-to-square)
Extension Cables
HLB06FSEC = 6 ft. Extension Cable
HLB12FSEC = 12 ft. Extension Cable
HLB20FSEC = 20 ft. Extension Cable



2. New Construction Mounting Frames / Smash Plates reserve ceiling positions and holds canless junction boxes during rough-in wiring phase.

Dimensional and Mounting Details



Product Specifications

Selectable System

- Use the CCT select switch to choose between D2W, 2700K, 3000K, 3500K, 4000K, and 5000K CCT
- D2W option starts at 3000K and warms to 1800K as fixture dims
- Use the lumen select switch on lumen selectable fixtures to choose brightness level

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

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) is set to a factory default of 3000K

Optical Assembly

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

Gaskets

- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Driver

- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%
- See Dimming Guide for compatible dimmers

Remote Driver/ Junction Box

- Aluminum driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90° C splice conductors, 2-in, 2-out plus (2) ground
- (2) $\frac{1}{2}$ " conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps all
- Accepts 14-2, 14-3, 12-2, 12-3 U.S and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral keyhole mounting slots facilitate direct mounting to building structure or new construction mounting frame

Mounting / Retention

- The RL Canless Series requires no housing or third-party junction box
- The remote enclosure may be used in direct contact with insulation. Installer must cut template out of drywall and install into aperture with the clips compressed.
- When released, the spring clips will rest on to the back side of the drywall
- Not for installation in recessed cans

Hole Saw Sizing	Min to Max
4"	3-3/4" to 4-1/4"

Compliance

- UL Certified US and Canada Type IC suitable for direct contact with air permeable insulation
- Wet and Damp location listed. Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Suitable for use in plenum spaces per NEC 300.22(C)(2) requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant¹
- 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 JA8-2022-E.¹
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings
- IP44 Ingress Protection rated

Warranty

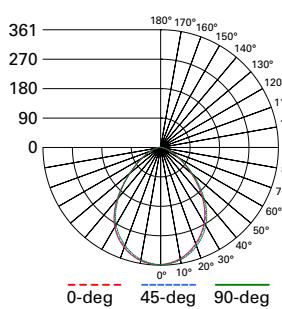
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty

Energy Data

RL4 - Selectable Lumens

Lumens	695/955
Input Voltage	120V
Input current	90mA
Input Power	10.5W
Efficiency	78.99%
Inrush(A)	1.22
THD	16
PF	0.971
Sound Rating	<=22dba

Photometric Data



RL4LS9FSD2W1EWHDM -600LM -3000K

Spacing criterion:
(0-180) 1.15 | (90-270) 1.15 | (Diagonal) 1.2
Beam Angle: 86°
Field Angle: 137°
Lumens: 695
Input Watts: 7.6 W
Efficacy: 91.4 LPW
UGR: 19
Test Report: P639480

Zonal Lumen	Lumens	% Lumens
0-30	267	38.4
0-40	418	60.1
0-60	625	89.9
0-90	695	100

TM-30-15	R _f = 92
	R _g = 103
CRI/CIE	R _a = 96.3
	R ₉ = 85

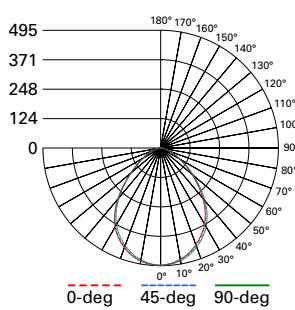


CCT: Range of 2700K - 5000K

warm ← → cool

Dim-to-Warm: Range of 1800K - 3000K

← →



RL4LS9FSD2W1EWHDM -900LM -3000K

Spacing criterion:
(0-180) 1.15 | (90-270) 1.15 | (Diagonal) 1.2
Beam Angle: 86°
Field Angle: 137°
Lumens: 955
Input Watts: 11.5 W
Efficacy: 83 LPW
UGR: 20
Test Report: P639485

Zonal Lumen	Lumens	% Lumens
0-30	367	38.4
0-40	574	60.1
0-60	858	89.9
0-90	955	100

TM-30-15	R _f = 92
	R _g = 103
CRI/CIE	R _a = 96.3
	R ₉ = 85



CCT: Range of 2700K - 5000K

warm ← → cool

Dim-to-Warm: Range of 1800K - 3000K

← →