

Project		Catalog #		Type	
Prepared by		Notes		Date	



## HALO

### RL 6" Recessed Baffle Canless Downlight

6" 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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- Dimming Guide



ENERGY STAR®



CERTIFIED



Efficiency Standards  
T24  
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.<sup>1</sup>  
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  
wet location-listed



Showerlight

#### Top Product Features

- Round 6" 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 - 1050/1300 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

## Order Information

Catalog Number	Module	Lumens	CRI/CCT	Driver	Finish	Packaging
RL6069FSD2W1EWHD	6-inch Round Canless LED Downlight	750 Lumens	90+ CRI, 6-Color Field-SeleCCTable: 2700K, 3000K, 3500K, 4000K, 5000K, Dim-to-Warm	5% Phase Cut LE/TE Dimming, 120V 60Hz	Matte White	Recyclable 4-color plastic-free packaging
RL6LS9FSD2W1EWHD	6-inch Round Canless LED Downlight	1050/1300 Selectable Lumens	90+ CRI, 6-Color Field-SeleCCTable: 2700K, 3000K, 3500K, 4000K, 5000K, Dim-to-Warm	5% Phase Cut LE/TE Dimming, 120V 60Hz	Matte White	Recyclable 4-color plastic-free packaging

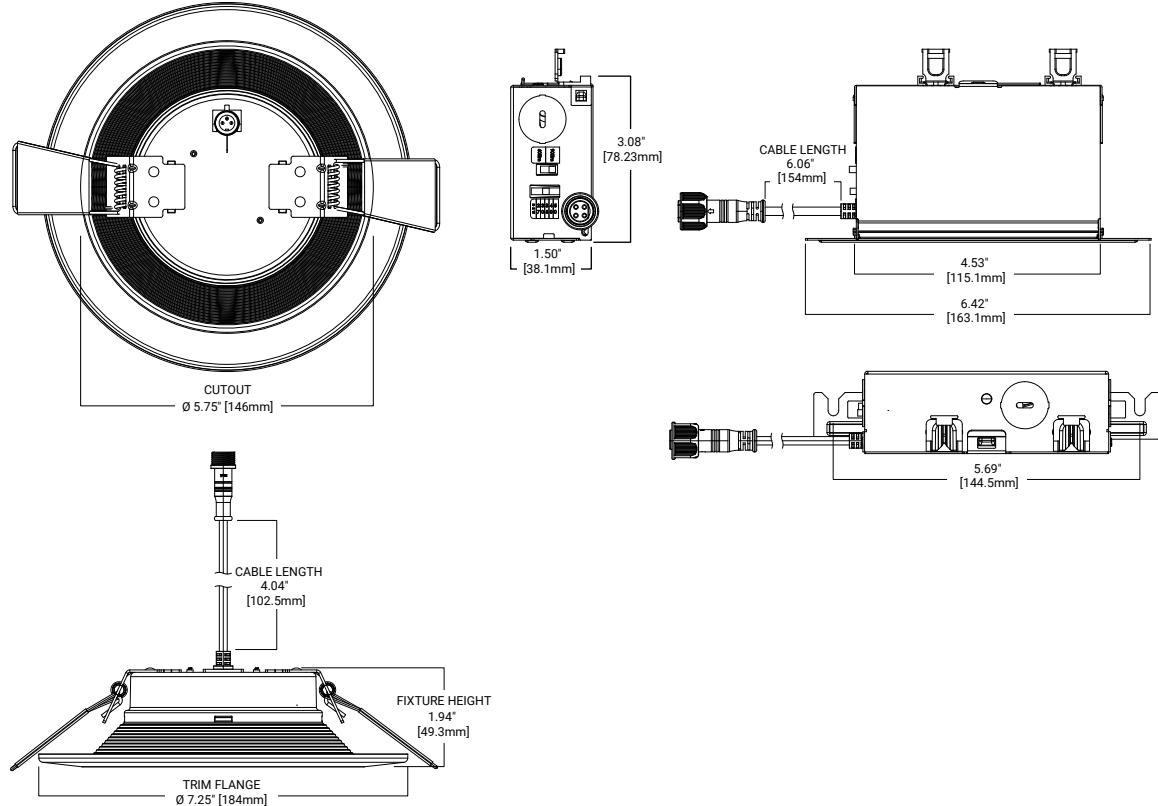
## Accessories (sold separately)

Accessories
<b>New Construction Mounting Frames:</b> MF6RC = 6" Round New Construction Mounting Frame with $\frac{1}{2}$ " Drywall Collar HL6RSMF = 6" Round-to-Square New Construction Mounting Frame
<b>New Construction Smash Plate:</b> SP346RS = 3"/4"/6" New Construction Smash Plate (4" & 6" openings convert round-to-square)
<b>Extension Cables:</b> 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
6"	5-5/8" to 6-1/4"

### 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 compliant<sup>1</sup>
- 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.<sup>1</sup>
- 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](http://www.cooperlighting.com/warranty)

## Energy Data

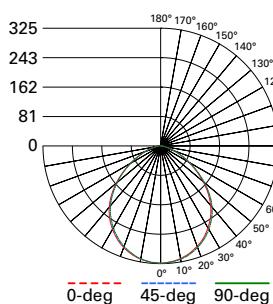
### RL6 - 750 Lumen

Lumens	750
Input Voltage	120V
Input current	63mA
Input Power	7.2W
Efficiency	77.69%
Inrush(A)	1.66
THD	18.7
PF	0.956
Sound Rating	<=22dba

### RL6 - Selectable Lumen

Lumens	1050/1300
Input Voltage	120V
Input current	110mA
Input Power	13W
Efficiency	80.50%
Inrush(A)	1.31
THD	13.8
PF	0.997
Sound Rating	<=22dba

## Photometric Data

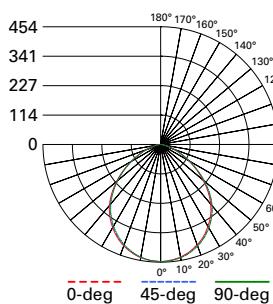


## RL6069FSD2W1EWHDM -600LM -3000K

Spacing criterion:  
(0-180) 1.21 | (90-270) 1.21 | (Diagonal) 1.3  
Beam Angle: 98°  
Field Angle: 145°  
Lumens: 750  
Input Watts: 7.5 W  
Efficacy: 100 LPW  
UGR: 19  
Test Report: P639505

Zonal Lumen	Lumens	% Lumens
0-30	247	33
0-40	399	53.2
0-60	655	87.3
0-90	750	100

TM-30-15	Rf = 93
	Rg = 103
CRI/CIE	Ra = 96.4
	R9 = 87

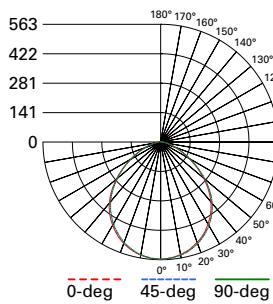


## RL6LS9FSD2W1EWHDM -900LM -3000K

Spacing criterion:  
(0-180) 1.21 | (90-270) 1.21 | (Diagonal) 1.3  
Beam Angle: 98°  
Field Angle: 145°  
Lumens: 1050  
Input Watts: 9.9 W  
Efficacy: 106.1 LPW  
UGR: 20  
Test Report: P639515

Zonal Lumen	Lumens	% Lumens
0-30	346	33
0-40	558	53.2
0-60	916	87.3
0-90	1050	100

TM-30-15	Rf = 92
	Rg = 103
CRI/CIE	Ra = 95.6
	R9 = 81



## RL6LS9FSD2W1EWHDM -1200LM -3000K

Spacing criterion:  
(0-180) 1.21 | (90-270) 1.21 | (Diagonal) 1.3  
Beam Angle: 98°  
Field Angle: 145°  
Lumens: 1300  
Input Watts: 13.8 W  
Efficacy: 94.2 LPW  
UGR: 20  
Test Report: P639510

Zonal Lumen	Lumens	% Lumens
0-30	429	33
0-40	691	53.2
0-60	1135	87.3
0-90	1300	100

TM-30-15	Rf = 92
	Rg = 103
CRI/CIE	Ra = 95.6
	R9 = 81



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- **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

## Order Information

Catalog Number	Module	Lumens	CRI/CCT	Driver	Finish	Packaging
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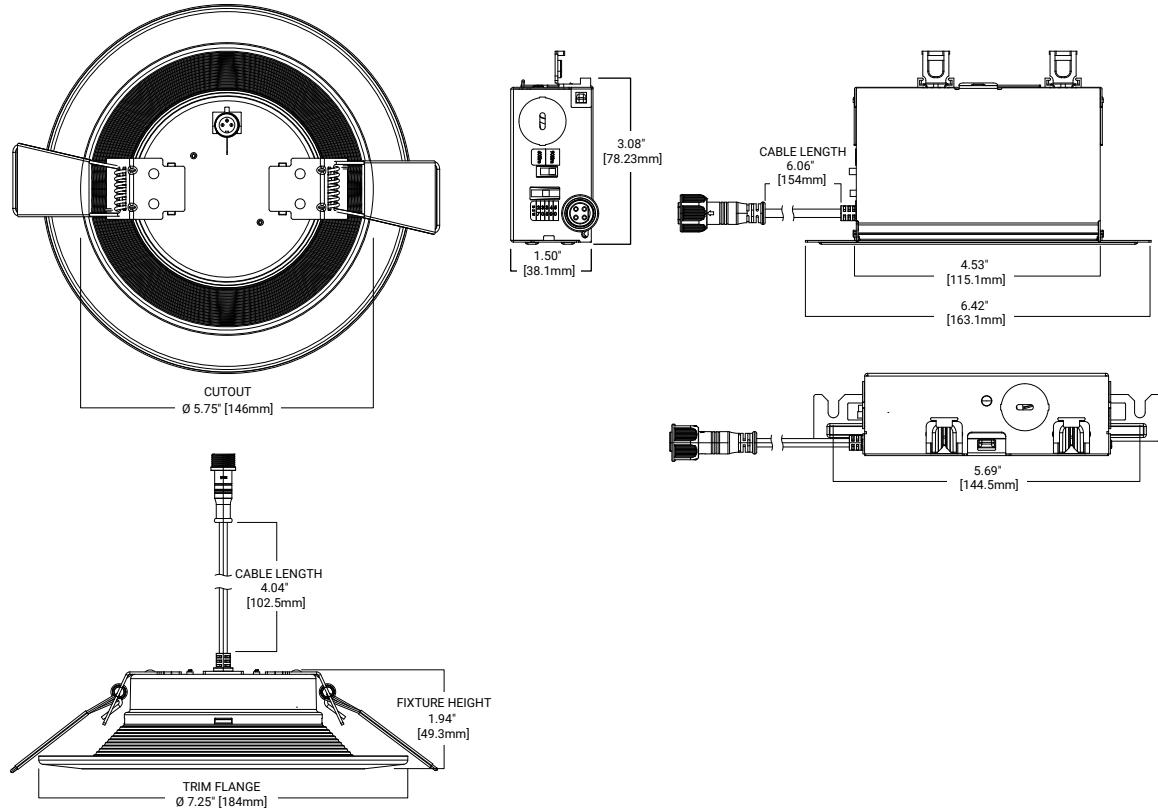
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## Energy Data

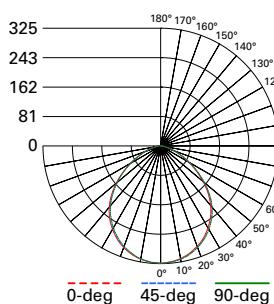
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Input Voltage	120V
Input current	63mA
Input Power	7.2W
Efficiency	77.69%
Inrush(A)	1.66
THD	18.7
PF	0.956
Sound Rating	<=22dba

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Lumens	1050/1300
Input Voltage	120V
Input current	110mA
Input Power	13W
Efficiency	80.50%
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THD	13.8
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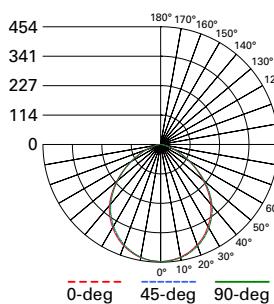


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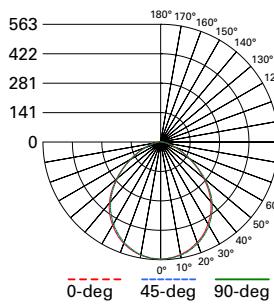


## RL6LS9FSD2W1EWHDM -900LM -3000K

Spacing criterion:  
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Beam Angle: 98°  
Field Angle: 145°  
Lumens: 1050  
Input Watts: 9.9 W  
Efficacy: 106.1 LPW  
UGR: 20  
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CRI/CIE	Ra = 95.6
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Field Angle: 145°  
Lumens: 1300  
Input Watts: 13.8 W  
Efficacy: 94.2 LPW  
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0-60	1135	87.3
0-90	1300	100

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CRI/CIE	Ra = 95.6
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