Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO

RL6-DM

6" All-Purpose LED Retrofit Direct Mount
w/ Remote Driver/Junction Box
600 Lumen Series

Typical Applications

Residential

Interactive Menu

- Order Information page 2
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Product Certification

ENERGY STAR

IECC
International Energy
Conservation Code
High Efficacy
Compliance

Efficiency Standards
T24
Can be used to comply
with 2016 Title 24 Part 6
LED Enclosed Light
Source Requirements (JA8)

UL CERTIFIED

RoHS COMPLIANT

IC RATED

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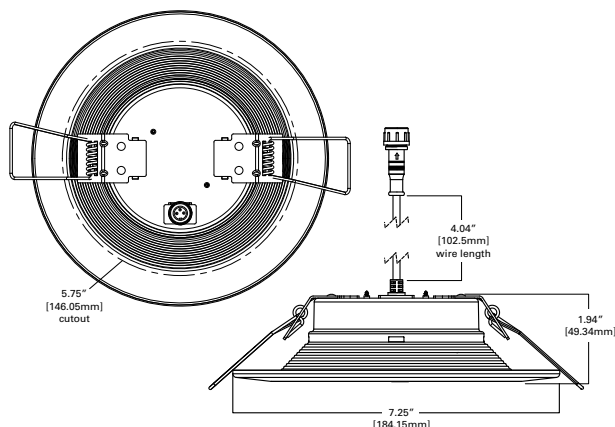Certified to California Appliance Efficiency Database under JA8.

Product Features

5 seleCCTable colors
2700K • 3000K • 3500K
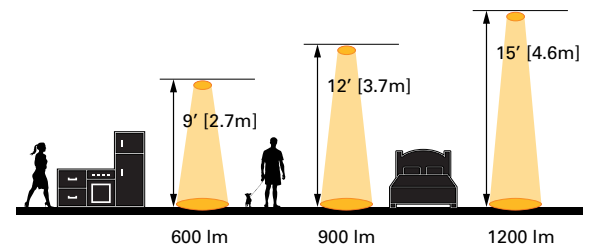4000K • 5000K

air tite

Showerlight

Top Product Features

- 6" Direct Mount Field Selectable CCT LED Retrofit
- Direct mount - does not require recessed housing or junction box
- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT
- Wet location listed for showers and protected ceilings
- Dimmable to 5% with 120V dimmers

Dimensional and Mounting Details

5.75"
[146.05mm]
cutout

4.04"
[102.5mm]
wire length

1.94"
[49.34mm]

7.25"
[184.15mm]

Scale

15' [4.6m]

12' [3.7m]

9' [2.7m]

600 lm

900 lm

1200 lm

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Order Information

SAMPLE ORDER NUMBER: **RL6069S1EWHDMR**

A complete luminaire consists of an LED module and remote driver/junction box.

Models	Lumens	CRI/CCT	Driver	Finish	Mounting	Packaging
RL6= 6" All-Purpose Retrofit LED module	**06** = 600 lumens (nominal)	**9S** = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K	**1E =** 120V 60Hz leading or trailing edge phase cut 5% dimming	**WH =** Matte white baffle	**DM =** Direct Mount	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display
Notes	Notes	Notes	Notes	Notes	Notes	Notes

Accessories

Accessories	
Mounting Frame **HL6NCMF** = 6" new construction mounting frame **HL6RSMF** = 6" round and square mounting frame	**Extension Cable | Dedicated Driver/Jbox** **HLB06EC** − 6 ft. extension cable **HLB12EC** − 12 ft. extension cable **HLB20EC** − 20 ft. extension cable **Extension Cable | seleCCTable Driver/Jbox** **HLB06FSEC** − 6 ft. extension cable **HLB12FSEC** − 12 ft. extension cable **HLB20FSEC** − 20 ft. extension cable

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Product Specifications

CCT Select System
- SeleCCTable models use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

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 within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has an selectable range from 2700K to 5000K (factory default 3000K)
- Optional dedicated 3000K color temperature, color accuracy within 3 SDCM.

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

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) ½" 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

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%.
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 1/2" to 1-1/4"thick ceilings
- Cutout can utilize standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

Mounting / Retention
- The RL-DM 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
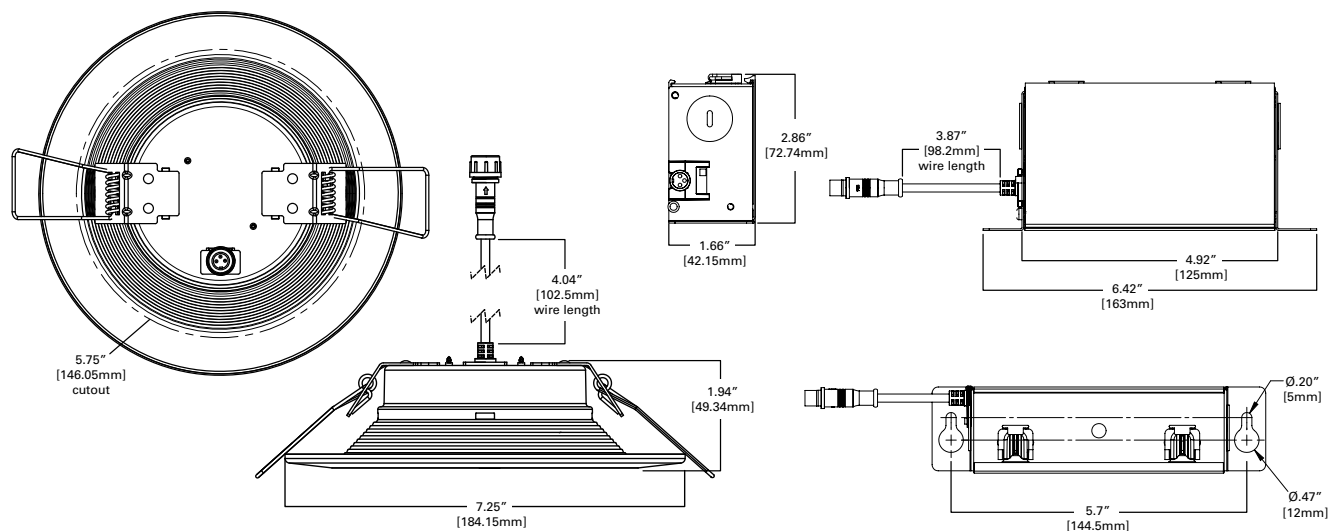- Not for installation in recessed cans

Compliance
- UL Certified for US and Canada, type IC suitable for direct contact with air permeable insulation
- Not for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
- 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 Coe (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty
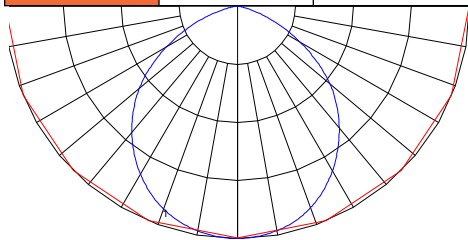
Dimensional and Mounting Details

Photometric Data

RL6069S1EWHDM-3000K		
Luminaire lumens		735.2
Input watts		8.4
LER (LPW)		87.5
Spacing Criteria	0-180	1.16
	90-270	1.16
	Diagonal	1.22
Beam angle (degrees)		89.1
Field angle (degrees)		140.1
Zonal lumen	Lumens	% Lumens
0-30	269.1	36.6
0-40	423.5	57.6
0-60	655.1	89.1
0-90	735.2	100

Color Metric Summary - 3000K

TM-30-15	Rf = 90.8
	Rg = 99.7
CRI/CIE	Ra = 93.7
	R9 = 69.3

93°

CCT - Range of 2700K- 5000K

warm ← → cool

RL6-DM	CCT	Lumens	Power (W)	LPW
Field Selectable CCT	2700K	709.6	8.4	84.5
	3000K	735.2	8.4	87.5
	3500K	756.4	8.4	90
	4000K	772.5	8.4	92
	5000K	781.1	8.4	93

* Tested in accordance with IES LM63. Field results may vary.

Energy Data

Energy Data @ 3000K	
Lumens	600 Series
Input Voltage	120V
Input Current	74 (mA)
Input Power	8.7 (W)
Efficiency	82.8 (LPW)
Inrush (A)	2.1 (A)
THD: ≤ 20%	
PF: ≥ 0.90	
T Ambient -30 - +40°C	
Sound Rating ≤ 20dba	

Product Specifications

SeleCCTable RL6069S1EWHDM

PRODUCT SPECIFICATIONS

Lumens	719
Watts	8.7
Lumens Per Watt (Efficacy)	82.8
Color Accuracy (CRI)	92
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

warm white — soft white — bright white
2700K — 3000K — 4500K — 6500K

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