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

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- Energy & Performance Data page 4
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Product Certification

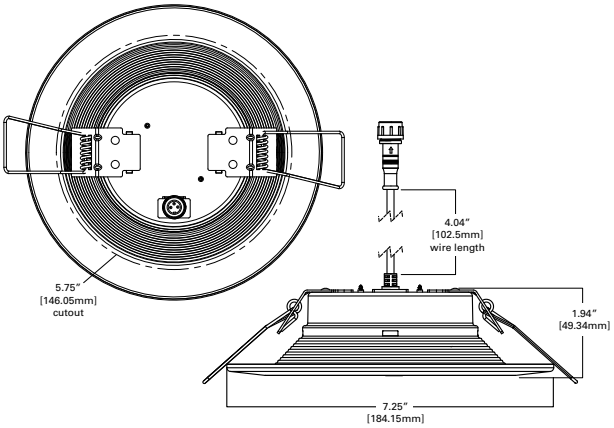
Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

Product Features

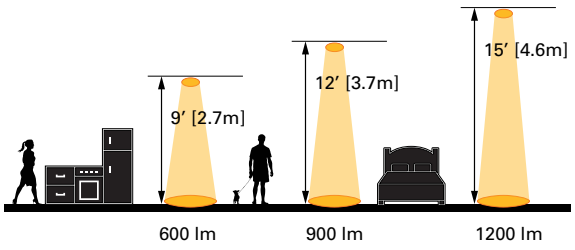
Top Product Features

- 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



Scale



additional product diagrams

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

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

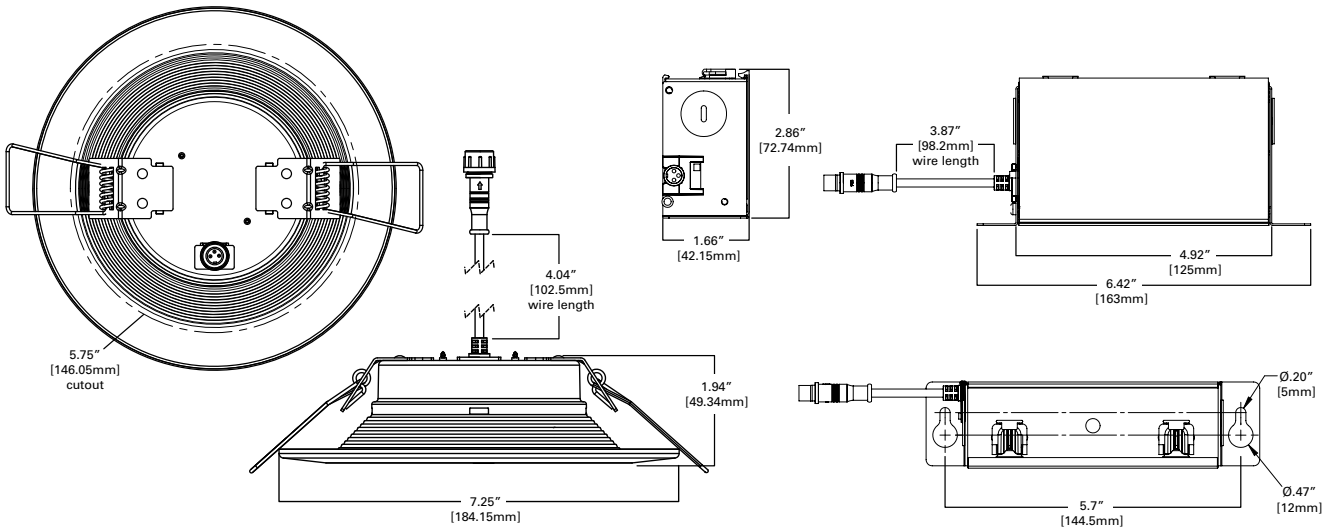
Installation
- Can be installed in 1/2" to 1-1/4"thick ceilings
- Cutout can utilize standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

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

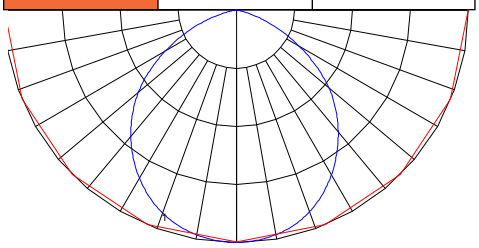
Dimensional and Mounting Details



Photometric Data

View IES files

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



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

Color Metric Summary - 3000K

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



CCT - Range of 2700K- 5000K

warm cool

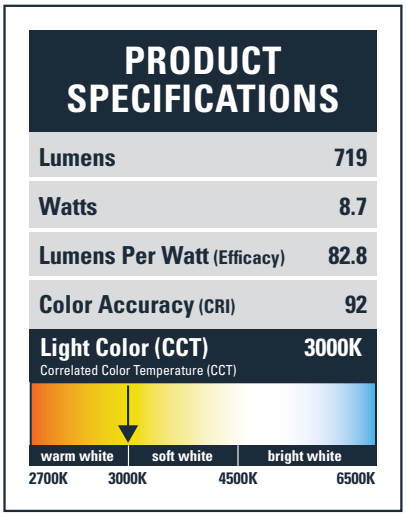
RL6-DM	CCT	Lumens	Power (W)	LPW
Field Selectable CCT	2700K	709.6	8.4	84.5
	3000K	735.2	8.4	87.5
	3500K	756.4	8.4	90
	4000K	772.5	8.4	92
	5000K	781.1	8.4	93

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



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Specifications and dimensions subject to change without notice.