DESCRIPTION

The HALO Home Smart Surface Mount Downlight with Bluetooth Mesh connectivity, incorporates state of the art lighting technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. This backlit LED downlight (BLD) is designed for installation in many 3-1/2" and 4" round or octagon junction boxes including pancake boxes. It can also retrofit in 5" or 6" aperture IC and Non-IC recessed housings. Suitable for residential or commercial installations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Wireless System
- For use with the HALO Home mobile app.
- Bluetooth low energy (BLE) mesh allows on/off and dimming to 5% to be controlled wirelessly with companion wall switches, smart phones and tablets using the HALO Home mobile application.
- Control adjustable white tuning (2700K - 5000K), setup groups, scenes and schedules to automate lighting with the HALO Home mobile app

Wireless Pairing
- See HALO Home Quick Start Guide for wireless setup, guidance and troubleshooting: www.cooperlighting.com

Bluetooth Mesh
- HALO Home products work better together. Smartphone(s) will need to be within range of HALO Home device to control
- Expand and strengthen the Bluetooth network range by adding HALO Home devices. Learn more at www.cooperlighting.com

CONSTRUCTION
- Stamped aluminum housing and frame

OPTICS
- Precision engineered optic provides uniform luminance from a low profile convex lens

LED ARRAY
- Backlit LED technology
- 90 CRI is standard
- L70 at 50,000 hours projected in accordance with TM-21
- Color Temperature (CCT) has an adjustable range from 2700K to 5000K within the mobile app (factory default 3000K)
- Impact-resistant polycarbonate
- Diffused for even illumination

DRIVER
- Integral 120V 60Hz constant current driver provides virtually noise free operation.
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers. See dimming guide for details.
- Halo home is not compatible with standard dimmers
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
- Inline electrical quick connect and E26 adapter (provided) provides mains connections.

ELECTRICAL JUNCTION BOX MOUNTING
- BLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes.
- Compatible with compact (pancake) junction boxes
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes

RECESSED HOUSING MOUNTING
Torsion Spring 5" & 6"
- Precision formed torsion spring bracket kit included
- The torsion springs adjust on the mounting plate to fit 5" or 6" compatible housings

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

COMPLIANCE
- UL Certified US and Canada for use with Halo housings and other's housings, see instruction sheet for conditions of acceptability.
- Wet and Damp Location listed, airtight per ASTM-E283 (protected ceiling only)
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- EMI/RFI emissions per FCC 47CFR Part 15B
- 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, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Coe (IECC) and Washington State Energy Code high efficiency luminaire Compliance
- ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List



HALO Home Smart Surface Mount Downlight (BLD6)

90 CRI

Adjustable CCT 2700K-5000K 6" Backlit LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

HALO HOME
Bluetooth®
Download on the App Store
GET IT ON Google Play

ENERGY DATA	
Lumens	819
Wattage	9.3W
Input current	0.088
Efficacy	88.1 LPW
THD	11.8%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99

warm cool adjustable white 2700K 5000K

ENERGY STAR

Can be used for 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)

Efficiency Standards T20 California Title 20 Certified LED Tier 1 Lamp

RoHS

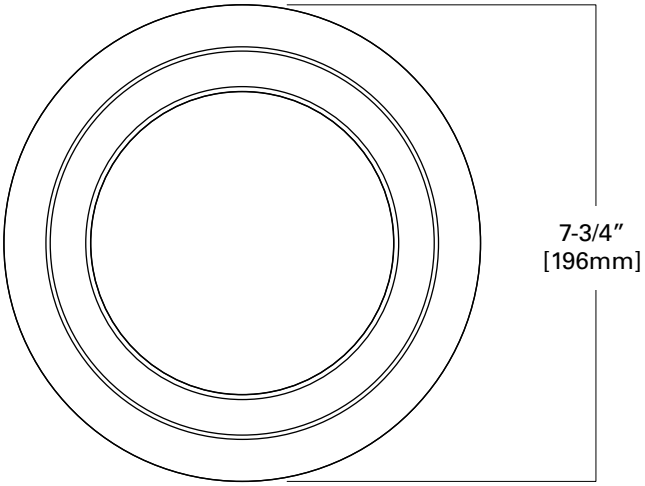
Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

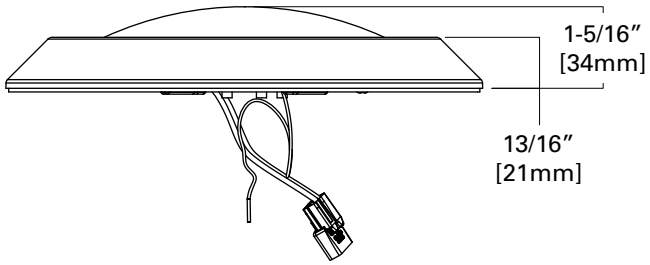
UL CERTIFIED SAFETY

Showerlight

air-tite

DIMENSIONS





ORDERING INFORMATION

SAMPLE NUMBER: BLD6089BLE40AWH = 6″ Backlit LED Downlight, 90CRI, 3000K

Models	Lumens	CRI / CCT	Protocol	Finish	Voltage
BLD6 = 6″ Backlit LED Downlight	**08**=800 lumen series	**9**=90CRI minimum; white tuning CCT 2700K - 5000K, in the mobile app	**BLE40A**=Bluetooth Mesh wireless control, 4.0	**WH**= Matte White	**Blank**= 120V

HOUSING COMPATIBILITY

The BLD6 is UL Certified for use with any 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in3 in addition to those noted below. Note: Some other's housings require installation with included friction clips.

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)

	Recessed Can Size	Catalog Number
HALO LED	5"	H550ICAT, H550RICAT, E550ICAT, E550RICAT
	6"	H750ICAT, H750RICAT, H750T, H750RINTD010, H750TCP, H2750ICAT, H2750RICAT, E750ICAT, E750RICAT

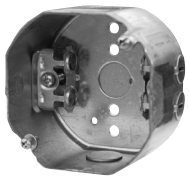
Compatible Halo Incandescent E26 Screwbase Housings

HALO	5"	H5ICAT,H5RICAT,H5ICATNB,H5T, H5RT,H25ICAT,H25ICATNB,E5TAT, E5RTAT,H5TNB,E5TATNB,E5ICAT, E5RICAT, E5ICATNB
	6"	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICT, H7UICAT, H27ICAT, H27RICAT, H27T, H27RT, E7ICAT, E7RICAT, E27ICAT, E27RICAT, E7ICATNB, E7TAT, E7RTAT, E7TATNB, E27TAT, E27RTAT

COMPATIBLE WITH COOPER LIGHTING SOLUTIONS' CROUSE-HINDS JUNCTION BOXES



TP316
for non-metallic cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)



TP317
for metal clad cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

- **TP316 -** for non-metallic cable
- **TP317 -** for metal clad cable
- UL Listed
- Refer to www.crouse-hinds.com

COMPATIBLE WITH MANY OTHER JUNCTION BOXES*



4" octagon light fixture/fan steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)



4" octagon steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)



4" square deep steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)



4" square standard steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)



4" round new work non-metallic light fixture/fan box
4" diameter x 2-3/16"
(102mm x 56mm)



3-1/2" round new work non-metallic ceiling box
3-1/2" diameter x 2-3/4"
(89mm x 70mm)



3-1/2" round old work non-metallic box
4-1/4" O.D. flange, 3-1/2" I.D. x 2-5/8"
(108mm O.D., 89mm I.D. x 67mm)



4" round surface mount box
4" diameter x 1-1/2"
(102mm x 38mm)



4" round new work non-metallic box with hanger bar assembly
4" diameter x 2-3/16" (102mm x 56mm)

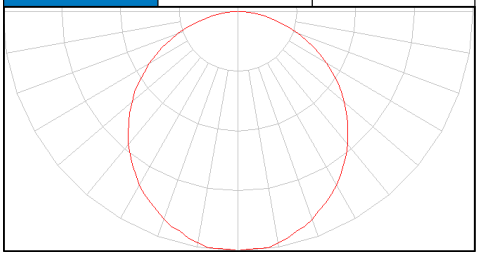


Round ceiling pan
4" diameter x 13/16"
(102mm x 21mm)
Note: only compatible with fixed CCT BLD606930

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Cooper Lighting Solutions makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.

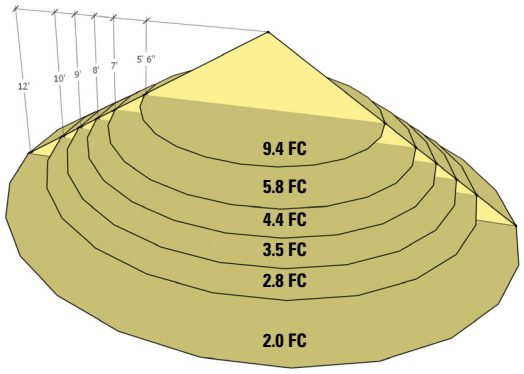
PHOTOMETRIC DATA

BLD6089BLE40AWH		
Luminaire lumens		819
Input watts		9.3
LER (LPW)		88.1
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		111.9
Field angle (degrees)		169.9
Max. Candela		277.7
Zonal lumen	Lumens	% Lumens
0-30	214.6	26.2%
0-40	349.7	42.7%
0-60	618.3	75.5%
0-90	819.0	100%



Foot-candle Values at Nadir 0 degree Aiming Angle		
DD (FT)	BLD6089BLE40AWH (FC)	DIA (FT)
5.5	9.4	6.6
7	5.8	8.4
8	4.4	9.6
9	3.5	11
10	2.8	12.2
12	2.0	14.6

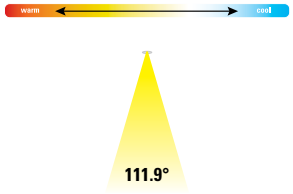
DD = distance down to illuminated work plane
FC = initial foot-candles at nadir
DIA = diameter



COLOR METRIC SUMMARY

	BLD6089BLE40AWH
TM-30-15	R_f = 91.8
	R_g = 98.7
CRI/CIE	R_a = 93.9
	R_9 = 69.3

CCT - Range of 2700K- 5000K



COOPER Lighting Solutions

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Specifications and dimensions subject to change without notice.