## HALO HOME"

### 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 4' aperture IC and Non-IC recessed housings. Suitable for residential or commercial installations.

## 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: halohomesupport.eaton.com/ downlight

### **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 halohomesupport. eaton.com/mesh

## 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.

COMPLIANCE

acceptability.

ceiling only)

requirements.

RoHS compliant.

with IES LM-79-08

• Can be used for State of

and TM-21-11.

Compliance

Part 15B

UL Certified US and Canada

for use with Halo housings

· Wet and Damp Location listed,

when installed in accordance

with the NEC 410.16 spacing

EMI/RFI emissions per FCC 47CFR

· Contains no mercury or lead and

• Photometric testing in accordance

Lumen maintenance projections

California Title 24 high efficacy

Title 20 Appliance Efficiency

Database for current listings.

Can be used for International

luminaire compliance, reference

Energy Conservation Coe (IECC)

and Washington State Energy

Code high efficiency luminaire

ENERGY STAR® Certified

luminaire - consult ENERGY

STAR® Certified Product List

the California Energy Commission

in accordance with IES LM-80-08

Suitable for use in clothes closets

and other's housings, see

- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers. See dimming auide.
- 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

· Can be installed in industry standard 4-inch recessed housings using friction mounting springs and (E26) medium base adapter provided.

### WARRANTY

 Five-year limited warranty, consult website for details. www.eaton.com/lighting/legal



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



Catalog # Туре Project Date Comments Prepared by



## **HALO Home** Smart Surface **Mount Downlight** (BLD4)

**90 CRI** 

Adjustable CCT 2700K-5000K 4" Backlit LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 4" recessed housing retrofit (IC, Non-IC & AIR-TITE<sup>™</sup>)

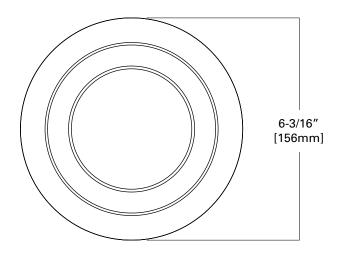


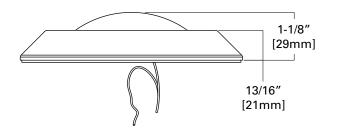
ENERGY DATA	
Lumens	805
Wattage	9.2W
Input current	0.087
Efficacy	87.5 LPW
THD	11.9%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99

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## 

## DIMENSIONS





## ORDERING INFORMATION

SAMPLE NUMBER: BLD4089BLE40AWH= 4" Backlit LED Downlight, 90CRI

Models	Lumens	CRI / CCT	Protocol	Finish	Voltage
<b>BLD4</b> = 4" Backlit LED Downlight	<b>08</b> =800 lumen series	<b>9</b> =90 CRI minimum, white tuning, select CCT 2700K – 5000K, in the mobile app	BLE40A=Bluetooth Mesh wireless control, 4.0	WH= Matte White	<b>Blank=</b> 120V



## HALO HOME

## HOUSING COMPATIBILITY

The BLD4 is UL Certified in for use with any 4 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 62.3 in<sup>3</sup> in addition to those noted below:

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)		
HALO	Recessed Can Size	Catalog Number
LED	4"	H995ICAT, H995RICAT, H245ICAT, H245RICAT
Compatible Halo	Incandescent E26 Screw	base Housings
	Recessed Can Size	Catalog Number
HALO	4"	H99ICAT, H99TAT, H99RTAT, E4ICATSB, E4TATSB, E4RTATSB

## COMPATIBLE WITH EATON'S 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)

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



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



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

•TP316 - for non-metallic cable •TP317 - for metal clad cable

Refer to www.crouse-hinds.com

UL Listed



4" diameter x 2-3/16" (102mm x 56mm)



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)



Round ceiling pan 4" diameter x 13/16" (102mm x 21mm) Note: only compatible with fixed CCT BLD406930

> \*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. Eaton 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.



## HALO HOME

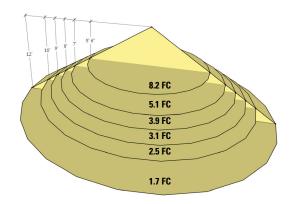
## PHOTOMETRIC DATA

BLD4089BLE40AWH		
Luminaire lumens		805
Input watts		9.2
LER (LPW)		87.5
	0-180	1.26
Spacing Criteria	90-270	1.26
ontonia	Diagonal	1.38
Beam angl	e (degrees)	114.9
Field angle (degrees)		178.6
Max. Candela		256
Zonal lumen	Lumens	% Lumens
0-30	198.8	24.7%
0-30		
0-30	325.2	40.4%
		40.4% 72.1%
0-40	325.2	

Foot-candle Values at Nadir 0 degree Aiming Angle		
DD (FT)	BLD4089BLE40AWH (FC)	DIA (FT)
5.5	8.2	6.8
7	5.1	8.8
8	3.9	10
9	3.1	11.4
10	2.5	12.6
12	1.7	15.2

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

DIA = diameter



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Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

## COLOR METRIC SUMMARY

	BLD4089BLE40AWH
TM-30-15	Rf = 91.1
	R <sub>g</sub> = 98.1
CRI/CIE	Ra = 93.3
	R9 = 67.5
(	CCT - Range of 2700K- 5000K
warm	<>
	<u> </u>

115°