HALO®

BLD Series
Surface LED Downlight

- 4" aperture low profile surface mounting options
- Two distinct lumen packages & CCT configurations available in both apertures
- 600 lumen package is available in 3000K
- 800 lumen package is available with field SeleCCTable CCT - 2700K|3000K|3500K|4000K|5000K
- 8.2W – 10.3W, Integral 120v 60 Hz constant current driver
- 90 CRI minimum as standard
- L70 @ 50,000 Hrs
- Dimmable to 5% with many 120V leading-edge and trailing-edge phase control dimmers
- Five-year limited warranty
- Installs in many 3-1/2" and 4" ceiling junction boxes as well as pancake boxes*
- Retrofits 4" recessed downlight housings
- cULus certified for Halo housings and many other housings**
- Damp Location Listed for walls
- Wet Location Listed for showers and outdoor protected ceilings
- AIR-TITE™ certified per ASTM-E283
- Plug-in LED connector for easy installation
  - Supply wire adapter connection, for junction box wiring
  - Screwbase adapter for recessed housing retrofit

Ordering Information

SAMPLE NUMBER: BLD406930WH

Models	Lumens	CRI / CCT	Finish	Voltage
BLD4 = 4" Backlit LED Downlight	**06**=600 lumen	**930**=90 CRI, 3000K	**WH**= matte white	**Blank**= 120V

SAMPLE NUMBER: BLD4089SWH

Models	Lumens	CRI / CCT	Finish	Voltage
BLD4 = 4" Backlit LED Downlight	**08**=800 lumen	**9S**=90 CRI, SeleCCTable 2700K, 3000K, 3500K, 4000K & 5000K	**WH**= matte white	**Blank**= 120V

supply wire adapter with LED connector
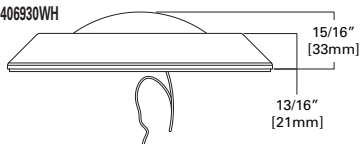
screwbase adapter with LED connector

* Selectable CCT configurations are not compatible with pancake junction boxes, please see installation instructions for further details.
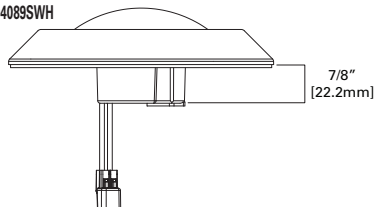
** Please verify the selected housing meets minimum requirement for internal volume. Refer to specification sheet for further details.

6-3/16"
[156mm]

FIXED CCT
BLD406930WH

15/16"
[33mm]

13/16"
[21mm]

SELECTABLE CCT
BLD4089SWH

7/8"
[22.2mm]

3000K - dedicated	
Lumens	690
Wattage	8.2W
Input current	0.07
Efficacy	84.1 LPW
THD	15.1%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99

SeleCCTable 2700K – 5000K	
Lumens	802
Wattage	10.3W
Input current	0.087
Efficacy	77.9 LPW
THD	11.9%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99

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)

RoHS

UL CERTIFIED SAFETY

air✦✦✦e™

Showerlight

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.

BLD6

- 6" aperture low profile surface mounting options
- Two distinct lumen packages & CCT configurations available in both apertures
- 600 lumen package is available in 3000K
- 800 lumen package is available with field SeleCCTable CCT - 2700K|3000K|3500K|4000K|5000K
- 8.2W – 10.3W, Integral 120v 60 Hz constant current driver
- 90 CRI minimum as standard
- L70 @ 50,000 Hrs
- Dimmable to 5% with many 120V leading-edge and trailing-edge phase control dimmers
- Five-year limited warranty
- Installs in many 3-1/2" and 4" ceiling junction boxes as well as pancake boxes*
- Retrofits 6" recessed downlight housings
- cULus certified for Halo housings and many other housings**
- Damp Location Listed for walls
- Wet Location Listed for showers and outdoor protected ceilings
- AIR-TITE™ certified per ASTM-E283
- Plug-in LED connector for easy installation
  - Supply wire adapter connection, for junction box wiring
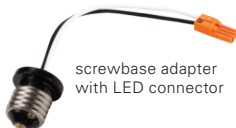 - Screwbase adapter for recessed housing retrofit

Ordering Information

SAMPLE NUMBER: BLD606930WH

Models	Lumens	CRI / CCT	Finish	Voltage
BLD6 = 6" Backlit LED Downlight	**06**=600 lumen	**930**=90 CRI, 3000K	**WH**= matte white	**Blank**= 120V

SAMPLE NUMBER: BLD6089SWH

Models	Lumens	CRI / CCT	Finish	Voltage
BLD6 = 6" Backlit LED Downlight	**08**=800 lumen	**9S**=90 CRI, SeleCCTable 2700K, 3000K, 3500K, 4000K & 5000K	**WH**= matte white	**Blank**= 120V

supply wire adapter with LED connector
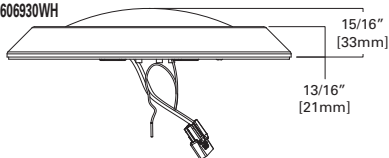

screwbase adapter with LED connector

* Selectable CCT configurations are not compatible with pancake junction boxes, please see installation instructions for further details.
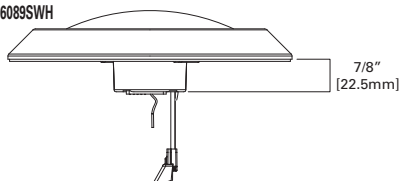** Please verify the selected housing meets minimum requirement for internal volume. Refer to specification sheet for further details.

halolighting.com

7-3/4"
[196mm]

FIXED CCT
BLD606930WH

15/16"
[33mm]

13/16"
[21mm]

SELECTABLE CCT
BLD6089SWH

7/8"
[22.5mm]

3000K - dedicated	
Lumens	700
Wattage	8.2W
Input current	0.07
Efficacy	85.4 LPW
THD	14.3%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99

SeleCCTable 2700K – 5000K	
Lumens	812
Wattage	10.3W
Input current	0.088
Efficacy	78.8 LPW
THD	11.8%
Frequency	60 Hz
T Ambient	-30 - +40°C
Voltage	120V
Sound Rating	Class A
Power Factor	0.99

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.

BLD4 Housing Compatibility

BLD4 LED is rated for installation in 4" HALO and other housings.

HALO LED[1]	H995ICAT, H995RICAT, H245ICAT, H245RICAT
HALO	H99ICAT, H99RTAT, H99TAT, E4ICATSB, E4TATSB, E4RTATSB
Other Brands	The BLD4 is UL Certified for use with any 4" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 62.3 in^3 in addition to those noted above.

1 HALO LED housings are non-screw base, high-efficacy code compliant.

H995ICAT
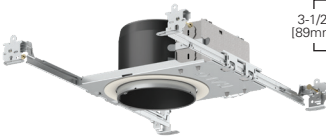4" LED, IC, AIR-TITE,
New Construction Housing

5-1/2"
[140mm]

4-3/8"
[111mm]
Ceiling Opening

1/2"
[13mm]
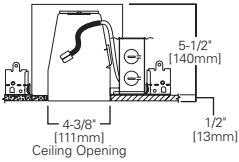
H995RICAT
4" LED, IC, AIR-TITE,
Remodel Housing

5-1/2"
[140mm]

4-1/4"
[108mm]

4-3/4"
[121mm]

Ceiling
Opening
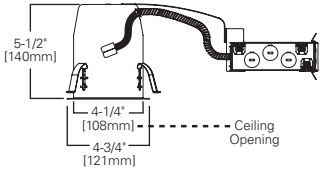
H245ICAT
4" LED, Ultra-shallow, IC, AIR-TITE, New Construction Housing

3-1/2"
[89mm]

4-1/16"
[103mm]

4"
[99mm]
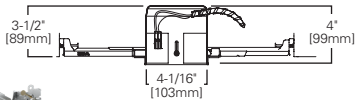
H245RICAT
4" LED, Ultra-shallow, IC, AIR-TITE, Remodel Housing

8"
[203.8mm]

3-3/4"
[95.4mm]

4-1/16"
[103.2mm]
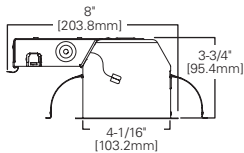
Friction clip install

BLD6 Housing Compatibility

BLD6 LED is rated for installation in 6" HALO and other housings.

HALO 6" LED[1]	H750ICAT, H750RICAT, H750T, H750TCP, H2750ICAT, H2750RICAT, E750ICAT, E750RICAT
HALO 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
HALO LED Retrofit	ML7BXRFK, ML7E26RFK
Other Brands*	The BLD6 is UL Certified for use with any 6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in^3 in addition to those noted above.

*When using BLD6 torsion springs for retrofit some housings will not have torsion spring receiver brackets –use HALO ML7RAB retrofit adapter band (order separately)

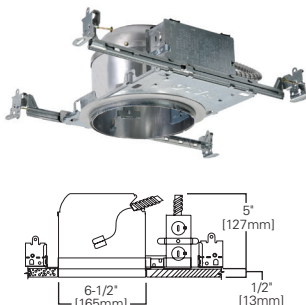1 HALO LED housings are non-screw base, high-efficacy code compliant.

H750ICAT
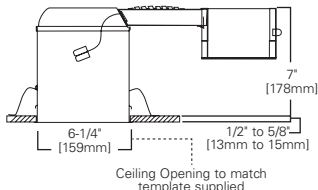6" LED, IC, AIR-TITE, Standard New Construction Housing
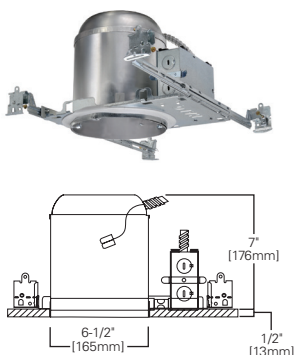
H2750ICAT
6" LED, IC, AIR-TITE, Shallow New Construction Housing

H750RICAT
6" LED, IC, AIR-TITE, Standard Remodel Housing
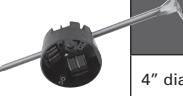
Friction clip install

Torsion spring install

Compatible Junction Boxes*

		BLD4	BLD6
	Octagon - steel light fixture / fan box		
	4" x 4" x 2-1/8"	✔	✔
	4" x 4" x 1-1/2"		✔
	Square - steel deep box		
	4" x 4" x 2-1/8"		✔
	4" x 4" x 1-1/2"	✔	✔
	Round - new work fixture box (plastic)		
	4" diameter x 2-3/16"	✔	✔
	Round - new work ceiling box (plastic)		
	3-1/2″ diameter x 2-3/4″	✔	✔
	Round - old work fixture box (plastic)		
	4" diameter x 2-3/16"	✔	✔
	Round - new work fixture box (plastic) with bar hanger		
	4″ diameter x 2-3/16″	✔	✔
	Round surface mount		
	4″ diameter x 1-1/2″	✔	✔
	Round ceiling pan**		
	4″ diameter x 13/16″	✔	✔
	TP316 - Cooper Lighting Solutions' Crouse-Hinds junction box for non-metallic cable		
	4″ x 2-1/8″	✔	✔
	TP317 - Cooper Lighting Solutions' Crouse-Hinds junction box for metal clad cable		
	4″ x 2-1/8″	✔	✔

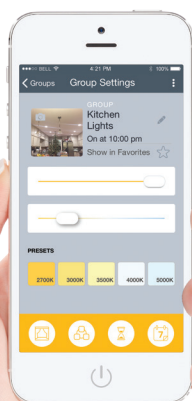## Junction box install

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HALOHOME™

HALO Home In-wall Smart Dimmer

HIWMA1BLE40AWH

Controls standard lighting fixtures with dimmer or HALO Home mobile app. Features include:
- ON/OFF
- Dim
- Group
- Scene
- Schedule

Cooper Lighting Solutions dimmers offer versatile options to set the mood and reduce energy consumption. These compatible LED dimmers are ideal for both residential and light commercial applications and are compatible with decorator (screwless) style devices and wallplates.
Refer to www.cooperlighting.com for additional information.

Dimmer Features	Decorator (DAL06P)	Slide (SAL06P)	Toggle (TAL06P)
Rapid Start feature	Fully adjustable	Fixed ON	Fully adjustable
Adjustable high-end trim			
Adjustable low-end trim	•	•	•
Wiring configurations	Single-pole or three-way	Single-pole or three-way	Single-pole or three-way
Color change kits	•		•

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.
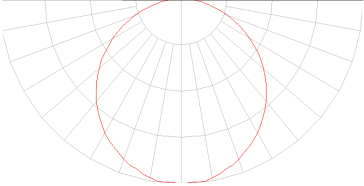
** Only compatible with fixed CCT BLD406930 & BLD606930

Product and Photometric Data

BLD406930WH
BLD4 3000K

BLD406930WH		
Luminaire lumens		690
Input watts		8.2
LER (LPW)		84.1
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		114.4
Field angle (degrees)		178.6
Max. Candela		222
Zonal lumen	**Lumens**	**% Lumens**
0-30	172	24.9%
0-40	282	40.8%
0-60	502	72.7%
0-90	690	100.00%

Color Metric Summary-3000K		
TM-30-15	Rf = 91	
	Rg = 101.1	
CRI/CIE	Ra = 93	
	R9 = 75	

CCT - Range of 2700K- 5000K

warm   cool

93°

BLD4089SWH
BLD4 SeleCCTable

BLD4089SWH		
Luminaire lumens		802
Input watts		10.3
LER (LPW)		77.9
Spacing Criteria	0-180	1.28
	90-270	1.28
	Diagonal	1.4
Beam angle (degrees)		116.8
Field angle (degrees)		180
Max. Candela		250
Zonal lumen	**Lumens**	**% Lumens**
0-30	195	24.3%
0-40	321	40.0%
0-60	576	71.8%
0-90	802	100.00%
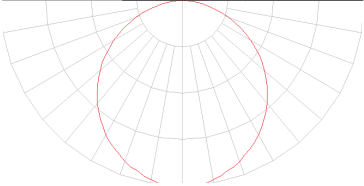
Color Metric Summary-3000K		
TM-30-15	Rf = 91.8	
	Rg = 101.3	
CRI/CIE	Ra = 93	
	R9 = 70	

CCT - Range of 2700K- 5000K

warm   cool

93°

*Additional photometric ies files available online.

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BLD606930WH
BLD6 3000K

BLD606930WH		
Luminaire lumens		700
Input watts		8.2
LER (LPW)		85.4
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		112.3
Field angle (degrees)		170.2
Max. Candela		235.8
Zonal lumen	**Lumens**	**% Lumens**
0-30	182	26.0%
0-40	298	42.5%
0-60	527	75.3%
0-90	700	100.00%
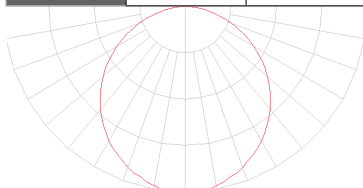
Color Metric Summary-3000K		
TM-30-15	Rf = 92.1	
	Rg = 102	
CRI/CIE	Ra = 93	
	R9 = 77	

CCT - Range of 2700K- 5000K

warm   cool

93°

BLD6089SWH
BLD6 SeleCCTable

BLD6089SWH		
Luminaire lumens		812
Input watts		10.3
LER (LPW)		78.8
Spacing Criteria	0-180	1.24
	90-270	1.24
	Diagonal	1.36
Beam angle (degrees)		108.5
Field angle (degrees)		170.3
Max. Candela		283.5
Zonal lumen	**Lumens**	**% Lumens**
0-30	217	26.7%
0-40	352	43.4%
0-60	615	75.7%
0-90	812	100.00%
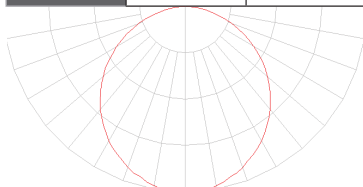
Color Metric Summary-3000K		
TM-30-15	Rf = 92.5	
	Rg = 102	
CRI/CIE	Ra = 93	
	R9 = 76	

CCT - Range of 2700K- 5000K

warm   cool

93°

*Additional photometric ies files available online.

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

Lighting Product Lines
Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
io
IRiS
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
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Controls Product Lines
Greengate

Connected Lighting Systems
Fifth Light (Canada Only)
HALO Home
WaveLinx

IoT Platform
Trellix