

SeleCCTable™ LED
Direct Mount Collection

HALO



5
seleCCTable™
colors

HLB Ultra-thin
Recessed Downlight

EATON

Powering Business Worldwide

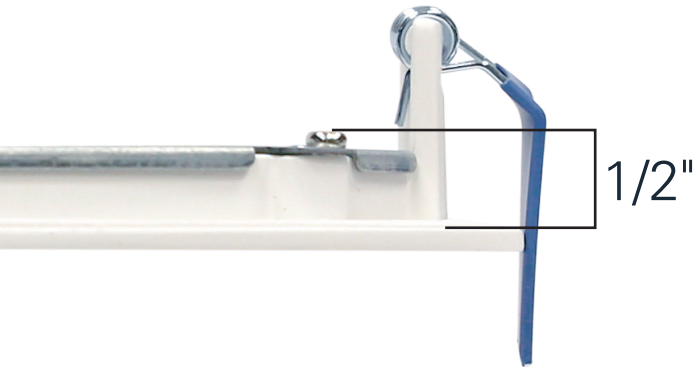


ultra-thin

The HLB is an ultra-thin LED lens downlight with a remote driver / junction box ideal for new construction and renovation work.

Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money. The HLB can install from below the ceiling in as little as a 3-1/2" plenum height and can be used in direct contact with insulation and is airtight.

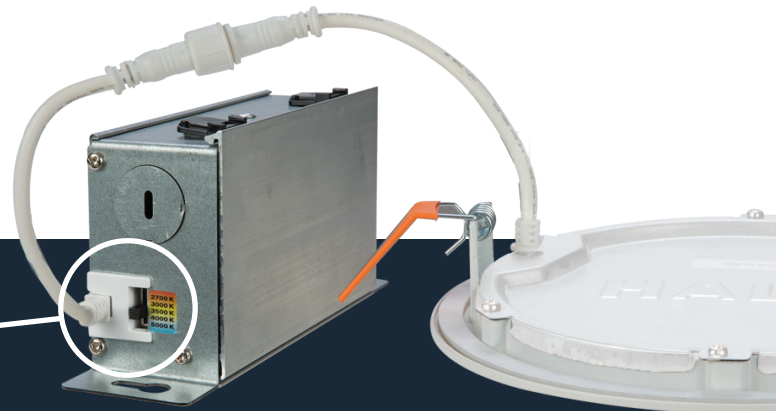
Distribution patterns work well in low to medium ceiling heights, applications are virtually universal including living and dining areas, bedrooms, closets, hallways, bathrooms, kitchens, basements, soffits, entryways and porches.



The SeleCCTable technology puts flexibility at your fingertips. By using the switch located on the driver junction box, the user can choose from a range of five color temperatures 2700K - 5000K.



2700K • 3000K • 3500K
4000K • 5000K



installs virtually anywhere

The HLB installs into a standard hole saw size cutout and is retained securely in place with springs.

The driver junction box installs through a cutout and can be positioned remotely from the fixture fitting. The keyhole slots facilitate attachment to the building structure.



New Construction Mounting Frame



The new construction mounting frame locates the fixture fitting during electrical rough-in. Halo's patented Got Nail! bar hangers are pre-installed support the mounting frame along rails.



During electrical rough-in, the HLB driver / junction box attaches to the mounting frame with captive fasteners meeting code requirements for attachment to the building structure.

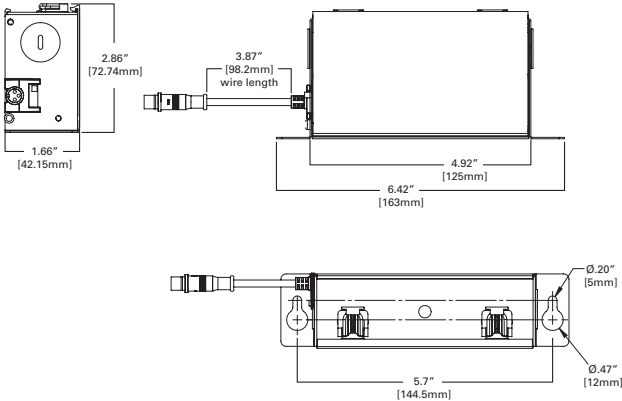
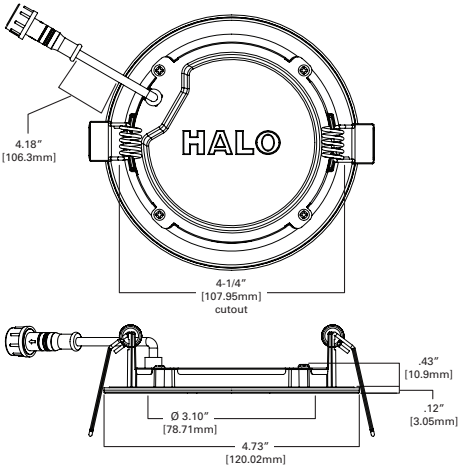


- Up to 750 lumens
- Use to replace 60W A19 incandescent lamp
- 2700K, 3000K, 3500K, 4000K, 5000K CCT all in one
- 90 CRI
- 12W, 120V
- L70 @ 50,000 hrs
- HALO matte white finish
- No existing recessed housing or junction box required
- Fixture will not fit into existing housings or junction boxes
- Wet location listed (shower rated)
- Rated for direct contact to air permeable insulation
- AIR-TITE™ certified per ASTM-E283
- Textured lens provides smooth light distribution
- Five-year limited warranty

Ordering Information

SAMPLE NUMBER: HLB4069FS1EMWR

Models	Lumens	CRI / CCT	Driver
HLB4 = 4-Inch ultra-thin LED lens downlight with remote driver / junction box	06=600 lumen (nominal)	9FS=90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT	1E= 120V 60Hz, LE & TE phase cut 5% dimming
Finish	Packaging	Accessories	
MW= matte white flange	R= recyclable 4-color unit carton suitable for point of purchase merchandizing display	HL4NCMF = 4" new construction mounting frame	



ENERGY DATA			
Lumens	600 Series	Inrush (A)	2.0 A @ 15mS
Input Voltage	120V	THD	≤ 20%
Input Current	99 (mA)	PF	≥ 0.90
Input Power	12.0 (W)	T Ambient	-30° - +40°C
Efficiency	60 (LPW)	Sound Rating	≤ 20dba

UP TO **\$377**^A
SAVINGS

^A Savings are over the life of the HALO HLB4 luminaire.
Energy savings: \$327
Replacement lamp savings: \$50
Savings based on \$0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.



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.

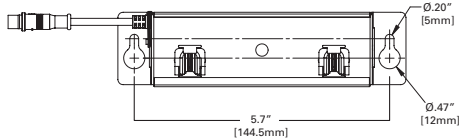
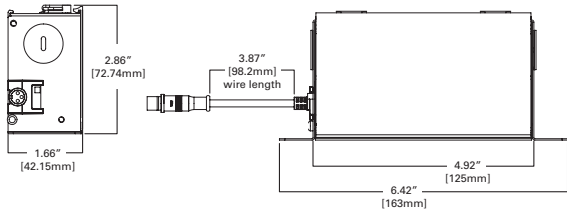
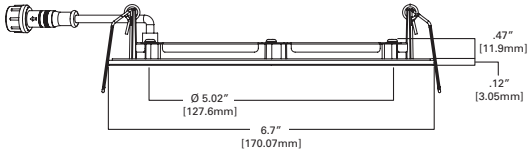
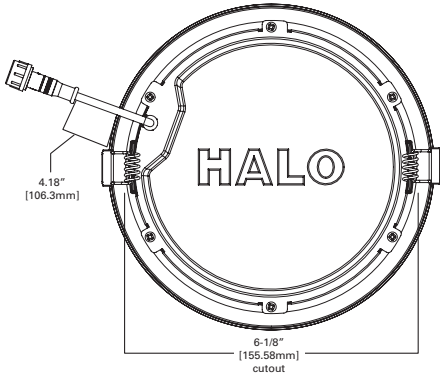


- Up to 1100 lumens
- Use to replace 75W A19 incandescent lamp
- 2700K, 3000K, 3500K, 4000K, 5000K CCT all in one
- 90 CRI
- 16W, 120V
- L70 @ 50,000 hrs
- HALO matte white finish
- No existing recessed housing or junction box required
- Fixture will not fit into existing housings or junction boxes
- Wet location listed (shower rated)
- Rated for direct contact to air permeable insulation
- AIR-TITE™ certified per ASTM-E283
- Textured lens provides smooth light distribution
- Five-year limited warranty

Ordering Information

SAMPLE NUMBER: HLB6099FS1EMWR

Models	Lumens	CRI / CCT	Driver
HLB6 = 6-Inch ultra-thin LED lens downlight with remote driver / junction box	09=900 lumen (nominal)	9FS=90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT	1E= 120V 60Hz, LE & TE phase cut 5% dimming
Finish	Packaging	Accessories	
MW= matte white flange	R= recyclable 4-color unit carton suitable for point of purchase merchandizing display	HL6NCMF = 6" new construction mounting frame	



ENERGY DATA			
Lumens	900 Series	Inrush (A)	2.1 A @ 14mS
Input Voltage	120V	THD	≤ 20%
Input Current	132 (mA)	PF	≥ 0.90
Input Power	16.0 (W)	T Ambient	-30° - +40°C
Efficiency	66 (LPW)	Sound Rating	≤ 20dba

UP TO

\$352^Δ

SAVINGS

^Δ Savings are over the life of the HALO HLB6 luminaire.
Energy savings: \$302
Replacement lamp savings: \$50
Savings based on \$0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 75W A19 lamp lumen equivalent.



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.

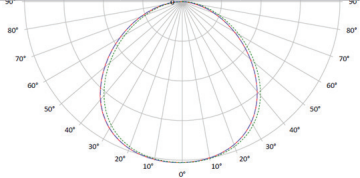
Product and Photometric Data

HLB4069FS1EMWR
HLB4 SeleCCTable



	CCT	Lumens	Power (W)	LPW
4in HLB	2700K	706.9	12	58.9
	3000K	723.0	12	60.3
	3500K	735.2	12	61.3
	4000K	746.1	12	62.2
	5000K	751.9	12	62.7

HLB4069FS1EMW-3000K		
Luminaire lumens		723
Input watts		12
LER (LPW)		60.3
Spacing Criteria	0-180	1.28
	90-270	1.28
	Diagonal	1.39
Beam angle (degrees)		110.2
Field angle (degrees)		160
Zonal lumen	Lumens	% Lumens
0-30	203	28.1
0-40	335	46.3
0-60	581	80.4
0-90	723	100



Color Metric Summary-3000K	
TM-30-15	Rf = 90.9
	Rg = 100.7
CRI/CIE	Ra = 94.1
	R9 = 68.5

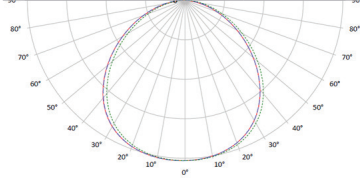


HLB6099FS1EMWR
HLB6 SeleCCTable



	CCT	Lumens	Power (W)	LPW
6in HLB	2700K	1037.3	16	64.8
	3000K	1061	16	66.3
	3500K	1078.9	16	67.4
	4000K	1094.9	16	68.4
	5000K	1103.4	16	69

HLB6099FS1EMW-3000K		
Luminaire lumens		1061
Input watts		16
LER (LPW)		66.3
Spacing Criteria	0-180	1.31
	90-270	1.31
	Diagonal	1.41
Beam angle (degrees)		112.2
Field angle (degrees)		161.3
Zonal lumen	Lumens	% Lumens
0-30	294	27.7
0-40	486	45.8
0-60	851	80.2
0-90	1061	100



Color Metric Summary-3000K	
TM-30-15	Rf = 90.9
	Rg = 100.7
CRI/CIE	Ra = 94.1
	R9 = 68.4



*Additional photometric ies files available online.

Lighting Control Solution

Eaton 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 (screw-less) style devices and wallplates. Refer to www.eaton.com for additional information.



Decorator
WBSD-DEC-*



Slide
WBSD-SLD-*



Toggle
WBSD-TOG-*



Smart
WBSD-SMT-*

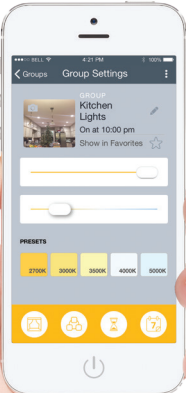
eaton.com/lighting

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



eaton.com/HALOHome

Eaton

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

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

Our 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
Sure-Lites

Our Controls Product Lines

Fifth Light Technology
Greengate
iLight (International Only)
iLumin
Zero 88

Connected Lighting Systems

Distributed Low-Voltage Power
HALO Home
iLumen Plus
LumaWatt Pro
WaveLinx

Eaton

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

© 2018 Eaton
All Rights Reserved
Printed in USA
Publication No. BR518053EN
August 2018

Products, specifications and
compliances are subject to
change without notice.

Eaton is a registered trademark.

All other trademarks are property
of their respective owners.



Powering Business Worldwide