MicroEdge™
LED Direct Mount Collection

HALO

5
seleCCTable™
colors

HLB
Ultra-thin Recessed Downlight

F·T·N
Powering Business Worldwide

HALO™ HLB

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 1-1/2" 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.

1/2"

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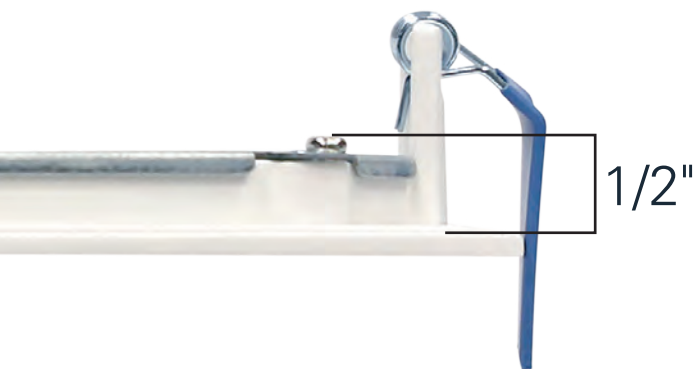
The SeleCCTable technology puts flexibility at your fingertips. By using the switch located on the driver junction box, the user can choose from a range of five color temperatures 2700K - 5000K.
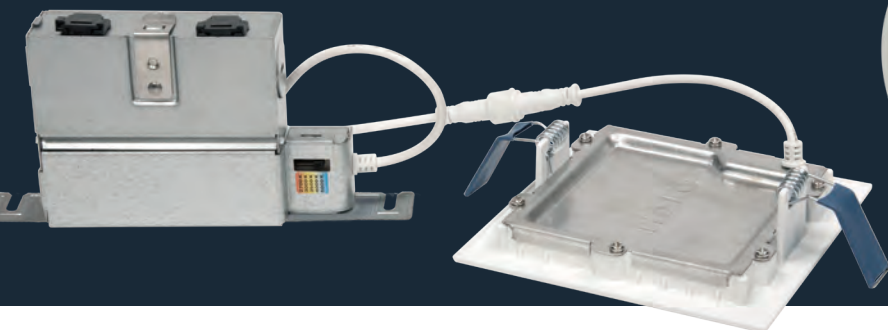
installs virtually anywhere

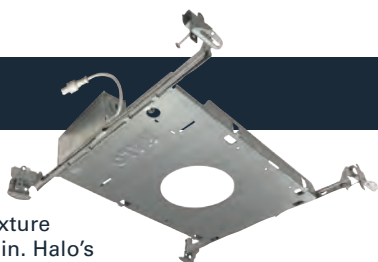The HLB installs into a standard hole saw size cutout and is retained securely in place with springs.

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

1

2

3

4

New Construction Mounting Frame

Available for the HLB4 and HLB6, 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.
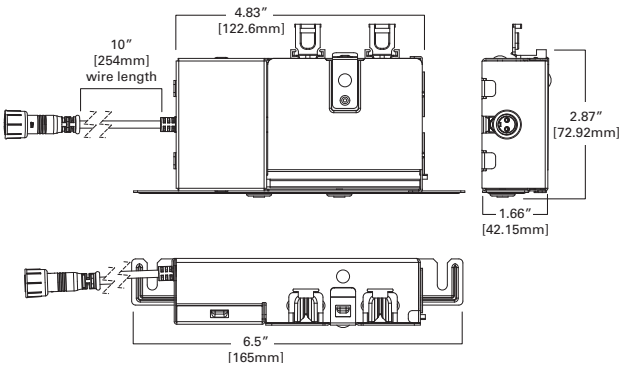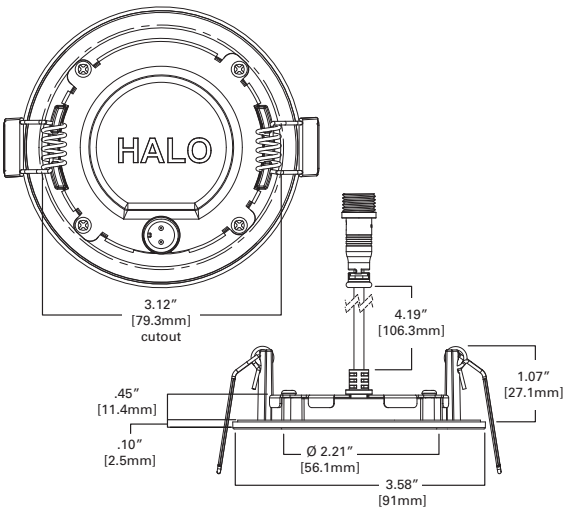
HL4NCMF = 4" new construction mounting frame
HL6NCMF = 6" new construction mounting frame

Square Installation

1

2

3

4

HLB3

- Up to 550 lumens
- Use to replace 40W A19 incandescent lamp
- 2700, 3000, 3500, 4000, 5000 K fixed CCT
- 90 CRI
- 9W, 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

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.

3.12" [79.3mm] cutout

4.19" [106.3mm]

1.07" [27.1mm]

.45" [11.4mm]

.10" [2.5mm]

Ø 2.21" [56.1mm]

3.58" [91mm]

4.83" [122.6mm]

10" [254mm] wire length

2.87" [72.92mm]

1.66" [42.15mm]

6.5" [165mm]

Ordering Information

SAMPLE NUMBER: HLB3059301EMWR

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB3 = 3-Inch LED lens downlight with remote driver / junction box	**05** = 500 lumen (nominal)	**927** = 90 CRI minimum, 2700 K CCT **930** = 90 CRI minimum, 3000 K CCT **935** = 90 CRI minimum, 4000 K CCT **940** = 90 CRI minimum, 4000 K CCT	**1E** = 120V 60Hz, LE & TE phase cut 5% dimming	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display

Accessories

HLB3ROTMW = 3″ round oversized trim, matte white
HLB3RTRMMW = 3″ round decorative overlay, matte white
HLB3RTRMSN = 3″ round decorative overlay, satin nickel
HLB3RTRMTBZ = 3″ round decorative overlay, tuscan bronze
HLB06EC - 6 ft. extension cable
HLB12EC - 12 ft. extension cable
HLB20EC - 20 ft. extension cable

UP TO $240 SAVINGS

△ Savings are over the life of the HALO HLB3 luminaire.
Energy savings: $190
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.

Energy Data			
Lumens	500 Series	Inrush (A)	2.2 A @ 42mS
Input Voltage	120V	THD	≤ 20%
Input Current	100 (mA)	PF	≥ 0.90
Input Power	9.0 (W)	T Ambient	-30° - +40°C
Efficiency	60 (LPW)	Sound Rating	≤ 22dba

HLB3S

- Up to 550 lumens
- Use to replace 40W A19 incandescent lamp
- 2700, 3000, 3500, 4000, 5000 K fixed CCT
- 90 CRI
- 9W, 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

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Ordering Information

SAMPLE NUMBER: HLB3S059301EMWR

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB3S = 3-Inch LED square lens downlight with remote driver / junction box	**05** = 500 lumen (nominal)	**927** = 90 CRI minimum, 2700 K CCT **930** = 90 CRI minimum, 3000 K CCT **935** = 90 CRI minimum, 4000 K CCT **940** = 90 CRI minimum, 4000 K CCT	**1E** = 120V 60Hz, LE & TE phase cut 5% dimming	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display

Accessories

HLB3SOTMW = 3″ square oversized trim, matte white
HLB3STRMMW = 3″ square decorative overlay, matte white
HLB3STRMSN = 3″ square decorative overlay, satin nickel
HLB3STRMTBZ = 3″ square decorative overlay, tuscan bronze
HLB06EC - 6 ft. extension cable
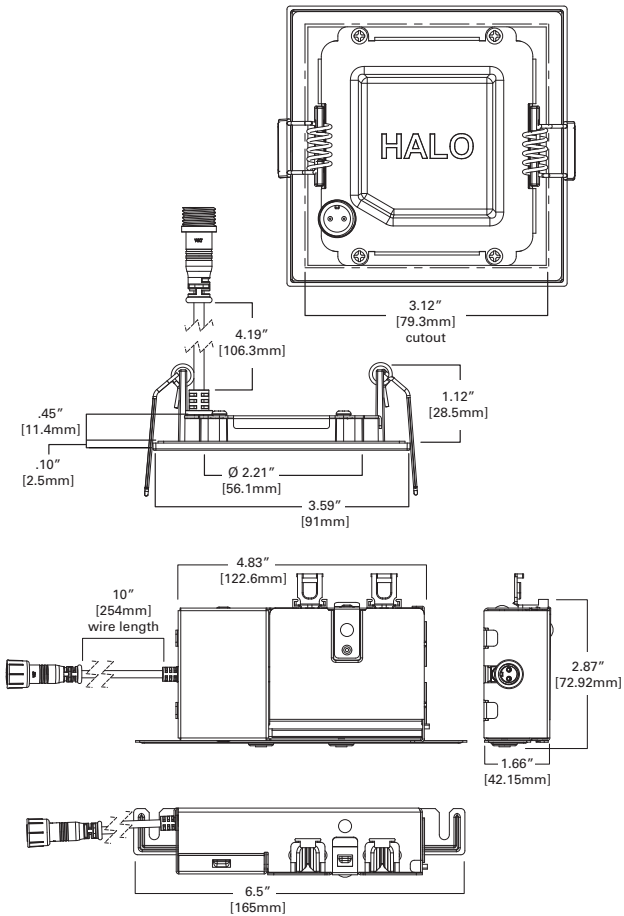**HLB12EC** - 12 ft. extension cable
HLB20EC - 20 ft. extension cable

UP TO **$240** SAVINGS ^

^ Savings are over the life of the HALO HLB3S luminaire.
Energy savings: $190
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.

Energy Data			
Lumens	500 Series	Inrush (A)	2.2 A @ 42mS
Input Voltage	120V	THD	≤ 20%
Input Current	100 (mA)	PF	≥ 0.90
Input Power	9.0 (W)	T Ambient	-30° - +40°C
Efficiency	60 (LPW)	Sound Rating	≤ 22dba

- Up to 750 lumens
- Use to replace 60W A19 incandescent lamp
- 2700, 3000, 3500, 4000, 5000 K CCT field select
- 3000 K, 4000 K fixed CCT
- 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
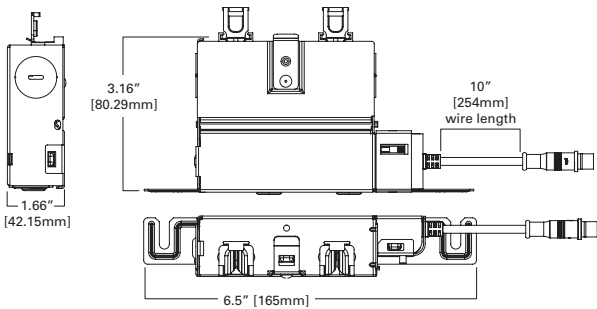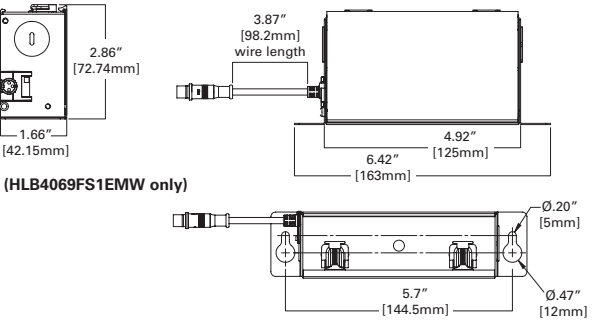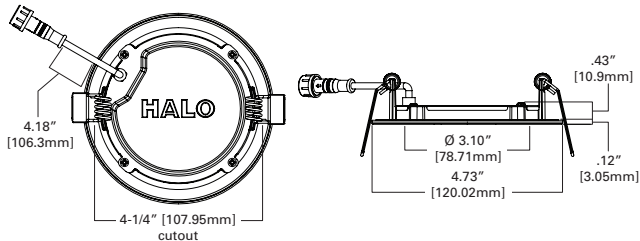- Five-year limited warranty

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.

(HLB4069FS1EMW only)

Ordering Information

SAMPLE NUMBER: HLB4069FS1EMWR

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB4 = 4-Inch ultra-thin LED lens downlight with remote driver / junction box	**06** = 600 lumen (nominal)	**930** = 90 CRI minimum, 3000K CCT **940** = 90 CRI minimum, 4000 K CCT **9FS** = 90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT	**1E** = 120V 60Hz, LE & TE phase cut 5% dimming	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display

Accessories

HL4NCMF = 4″ new construction mounting frame
HLB4ROTMW = 4″ round oversized trim, matte white
HLB4RTRMMW = 4″ round decorative overlay, matte white
HLB4RTRMSN = 4″ round decorative overlay, satin nickel
HLB4RTRMTBZ = 4″ round decorative overlay, tuscan bronze

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

UP TO $377 SAVINGS

Δ 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.

Energy Data			
Lumens	600 Series	Inrush (A)	2.2 A @ 42mS
Input Voltage	120V	THD	≤ 20%
Input Current	100 (mA)	PF	≥ 0.90
Input Power	12.0 (W)	T Ambient	-30° - +40°C
Efficiency	60 (LPW)	Sound Rating	≤ 22dba

HLB4S

- Up to 668 lumens
- Use to replace 60W A19 incandescent lamp
- 2700, 3000, 3500, 4000, 5000 K CCT field select
- 3000 K, 4000 K fixed CCT
- 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

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.

Ordering Information

SAMPLE NUMBER: HLB4S069FS1EMWR

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB4S = 4-Inch LED square lens downlight with remote driver / junction box	**06** = 600 lumen (nominal)	**930** = 90 CRI minimum, 3000K CCT **940** = 90 CRI minimum, 4000 K CCT **9FS** = 90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT	**1E** = 120V 60Hz, LE & TE phase cut 5% dimming	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display

Accessories

HLB4SOTMW = 4″ square oversized trim, matte white
HLB4STRMMW = 4″ square decorative overlay, matte white
HLB4STRMSN = 4″ square decorative overlay, satin nickel
HLB4STRMTBZ = 4″ square decorative overlay, tuscan bronze

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

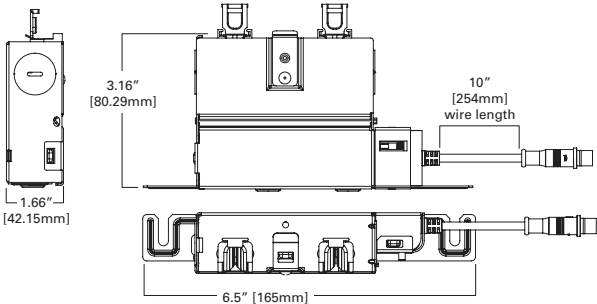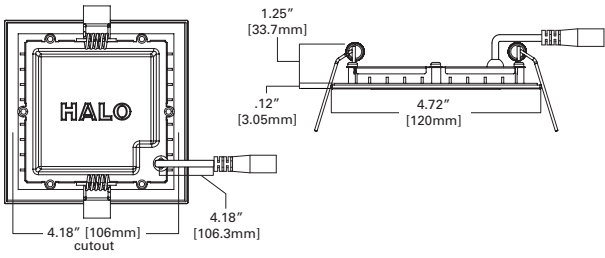**UP TO $377 SAVINGS**

△ Savings are over the life of the HALO HLB4S 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.

Energy Data			
Lumens	600 Series	Inrush (A)	2.2 A @ 54mS
Input Voltage	120V	THD	≤ 20%
Input Current	90 (mA)	PF	≥ 0.90
Input Power	10.5 (W)	T Ambient	-30° - +40°C
Efficiency	60 (LPW)	Sound Rating	≤ 22dba

- Up to 1100 lumens
- Use to replace 75W A19 incandescent lamp
- 2700, 3000, 3500, 4000, 5000 K CCT field select
- 3000 K, 4000 K fixed CCT
- 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

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(HLB6099FS1EMW only)

Ordering Information

SAMPLE NUMBER: HLB6099FS1EMWR

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB6 = 6-Inch ultra-thin LED lens downlight with remote driver / junction box	**09** = 900 lumen (nominal)	**930** = 90 CRI minimum, 3000K CCT **940** = 90 CRI minimum, 4000 K CCT **9FS** = 90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT	**1E** = 120V 60Hz, LE & TE phase cut 5% dimming	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandizing display

Accessories
HL6NCMF = 6″ new construction mounting frame **HLB6ROTMW** = 6″ round oversized trim, matte white **HLB6RTRMMW** = 6″ round decorative overlay, matte white **HLB6RTRMSN** = 6″ round decorative overlay, satin nickel **HLB6RTRMTBZ** = 6″ round decorative overlay, tuscan bronze

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

UP TO $352 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.

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	≤ 22dba

HLB6S

- Up to 1100 lumens
- Use to replace 75W A19 incandescent lamp
- 2700, 3000, 3500, 4000, 5000 K CCT
- 3000 K, 4000 K fixed CCT
- 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

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)
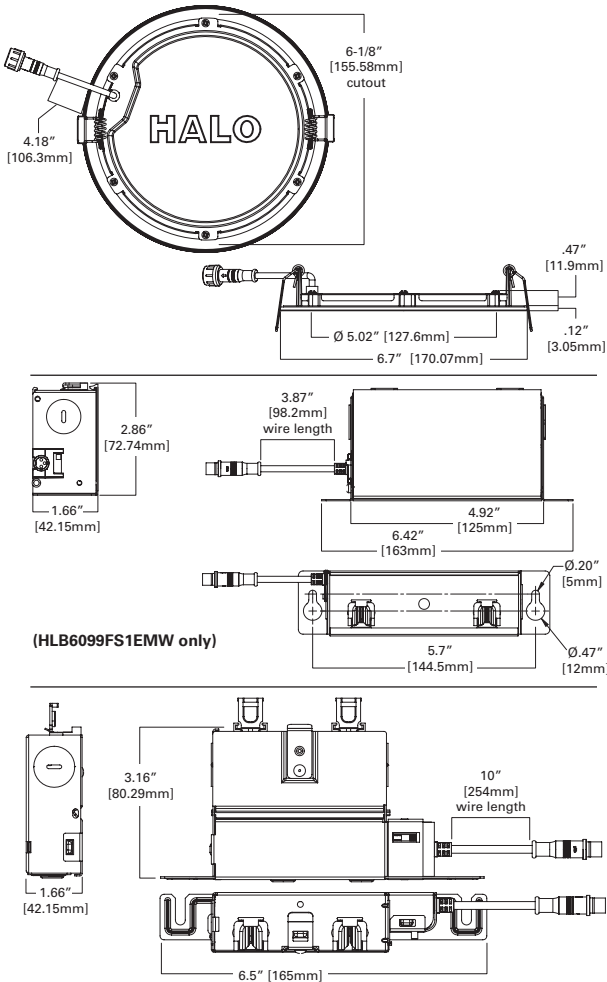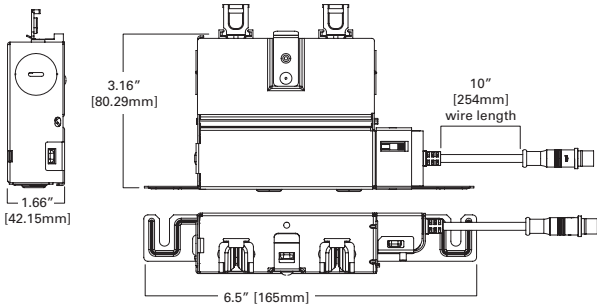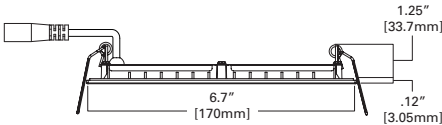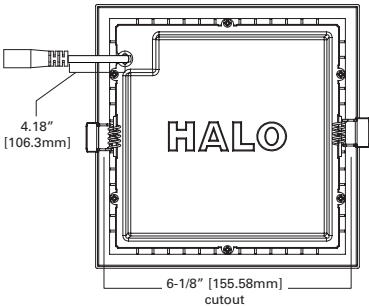
RoHS

Showerlight

airtite™

UL CERTIFIED SAFETY US-CA SÉCURITÉ US-CA E349750

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.

4.18" [106.3mm]

HALO

6-1/8" [155.58mm] cutout

1.25" [33.7mm]

6.7" [170mm]

.12" [3.05mm]

3.16" [80.29mm]

1.66" [42.15mm]

10" [254mm] wire length

6.5" [165mm]

Ordering Information

SAMPLE NUMBER: HLB6S099FS1EMWR

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB6S = 6-Inch LED square lens downlight with remote driver / junction box	**09** = 900 lumen (nominal)	**930** = 90 CRI minimum, 3000K CCT **940** = 90 CRI minimum, 4000 K CCT **9FS** = 90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000K CCT	**1E** = 120V 60Hz, LE & TE phase cut 5% dimming	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display

Accessories
HLB6SOTMW = 6″ square oversized trim, matte white **HLB6STRMMW** = 6″ square decorative overlay, matte white **HLB6STRMSN** = 6″ square decorative overlay, satin nickel **HLB6STRMTBZ** = 6″ square decorative overlay, tuscan bronze

Extension Cable | Dedicated Driver/Jbox	Extension Cable | SeleCCTable Driver/Jbox
HLB06EC - 6 ft. extension cable	**HLB06FSEC** - 6 ft. extension cable
HLB12EC - 12 ft. extension cable	**HLB12FSEC** - 12 ft. extension cable
HLB20EC - 20 ft. extension cable	**HLB20FSEC** - 20 ft. extension cable

UP TO $352 SAVINGS

Δ Savings are over the life of the HALO HLB6S 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.

Energy Data			
Lumens	900 Series	Inrush (A)	2.2 A @ 45mS
Input Voltage	120V	THD	≤ 20%
Input Current	120 (mA)	PF	≥ 0.90
Input Power	14.0 (W)	T Ambient	-30° - +40°C
Efficiency	66 (LPW)	Sound Rating	≤ 22dba

Accessories

Decorative Overlay
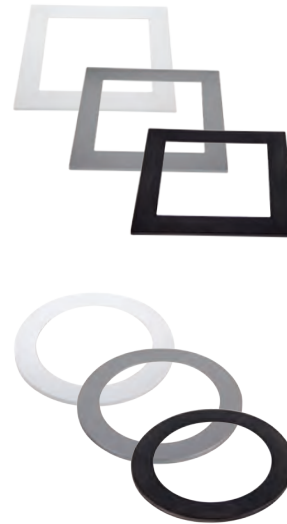
3″ Round
HLB3RTRMMW = matte white
HLB3RTRMSN = satin nickel
HLB3RTRMTBZ = tuscan bronze

3″ Square
HLB3STRMMW = matte white
HLB3STRMSN = satin nickel
HLB3STRMTBZ = tuscan bronze

4″ Round
HLB4RTRMMW = matte white
HLB4RTRMSN = satin nickel
HLB4RTRMTBZ = tuscan bronze

4″ Square
HLB4STRMMW = matte white
HLB4STRMSN = satin nickel
HLB4STRMTBZ = tuscan bronze

6″ Round
HLB6RTRMMW = matte white
HLB6RTRMSN = satin nickel
HLB6RTRMTBZ = tuscan bronze

6″ Square
HLB6STRMMW = matte white
HLB6STRMSN = satin nickel
HLB6STRMTBZ = tuscan bronze

Oversized Trim Plate

HLB3ROTMW - 3″ round oversized trim
HLB3SOTMW - 3″ square oversized trim

HLB4ROTMW - 4″ round oversized trim
HLB4SOTMW - 4″ square oversized trim

HLB6ROTMW - 6″ round oversized trim
HLB6SOTMW - 6″ square oversized trim

Extension cables

Dedicated driver/jbox
HLB06EC - 6 ft. extension cable
HLB12EC - 12 ft. extension cable
HLB20EC - 20 ft. extension cable

SeleCCTable driver/jbox
HLB06FSEC - 6 ft. extension cable
HLB12FSEC - 12 ft. extension cable
HLB20FSEC - 20 ft. extension cable

Product and Photometric Data

HLB305930EMWR
HLB3 3000K

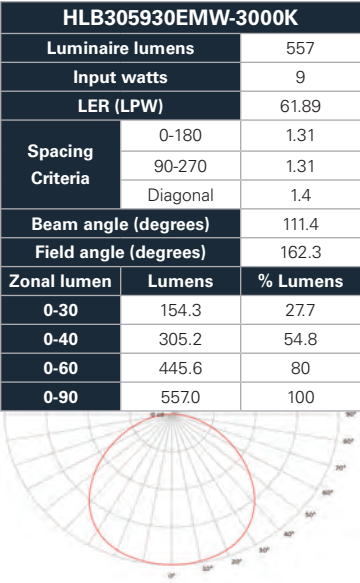|	CCT	Lumens	Power (W)	LPW
3in HLB	2700K	557	9	61.9
	3000K	577	9	64.1
	3500K	556	9	61.8
	4000K	583	9	64.8

HLB305930EMW-3000K		
Luminaire lumens		557
Input watts		9
LER (LPW)		61.89
Spacing Criteria	0-180	1.31
	90-270	1.31
	Diagonal	1.4
Beam angle (degrees)		111.4
Field angle (degrees)		162.3
Zonal lumen	Lumens	% Lumens
0-30	154.3	27.7
0-40	305.2	54.8
0-60	445.6	80
0-90	557.0	100

Color Metric Summary-3000K		
TM-30-15	Rf = 88	
	Rg = 96	
CRI/CIE	Ra = 94	
	R9 = 70	

CCT - Range of 2700K- 4000K

warm — cool

110°

HLB3S05930EMWR
HLB3S 3000K

	CCT	Lumens	Power (W)	LPW
3in HLB	2700K	574	9	63.8
	3000K	553	9	64.1
	3500K	562	9	62.4
	4000K	573	9	63.7
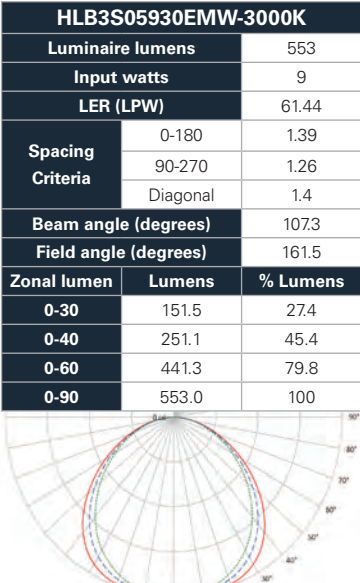
HLB3S05930EMW-3000K		
Luminaire lumens		553
Input watts		9
LER (LPW)		61.44
Spacing Criteria	0-180	1.39
	90-270	1.26
	Diagonal	1.4
Beam angle (degrees)		107.3
Field angle (degrees)		161.5
Zonal lumen	Lumens	% Lumens
0-30	151.5	27.4
0-40	251.1	45.4
0-60	441.3	79.8
0-90	553.0	100

Color Metric Summary-3000K		
TM-30-15	Rf = 88	
	Rg = 96	
CRI/CIE	Ra = 94	
	R9 = 70	

CCT - Range of 2700K- 4000K

warm — cool

110°

*Additional photometric ies files available online.

Product and Photometric Data

HLB4069FS1EMWR
HLB4 SeleCCTable

	CCT	Lumens	Power (W)	LPW
4in HLB	2700K	720.0	12	60.0
	3000K	723.0	12	60.3
	3500K	735.2	12	61.3
	4000K	746.1	12	62.2
	5000K	751.9	12	62.7

HLB4069FS1EMWR-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	

CCT - Range of 2700K- 5000K
warm → cool

110°
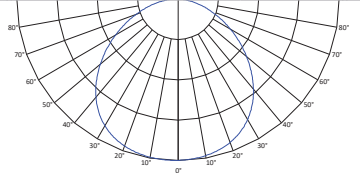
HLB4S069FS1EMWR
HLB4S SeleCCTable

	CCT	Lumens	Power (W)	LPW
4in HLBS	2700K	684.9	10.1	67.8
	3000K	695.9	10.1	68.9
	3500K	689.6	10.1	68.3
	4000K	693.7	10.1	68.7
	5000K	694.6	10.1	68.8

HLB4S069FS1EMW-3000K		
Luminaire lumens	696	
Input watts	10.1	
LER (LPW)	68.9	
Spacing Criteria	0-180	1.30
	90-270	1.32
	Diagonal	1.40
Beam angle (degrees)	110.3	
Field angle (degrees)	161.8	
Zonal lumen	Lumens	% Lumens
0-30	196	28.1
0-40	321	46.1
0-60	557	80
0-90	696	100
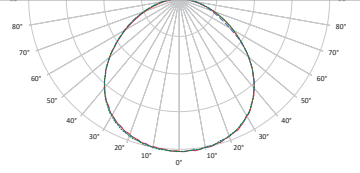
Color Metric Summary-3000K		
TM-30-15	Rf = 90.1	
	Rg = 97.9	
CRI/CIE	Ra = 95	
	R9 = 75.8	

CCT - Range of 2700K- 5000K
warm → cool

110°

HLB6099FS1EMWR
HLB6 SeleCCTable

	CCT	Lumens	Power (W)	LPW
6in HLB	2700K	1037.3	16	64.8
	3000K	1061.0	16	66.3
	3500K	1078.9	16	67.4
	4000K	1094.9	16	68.4
	5000K	1103.4	16	69.0

HLB6099FS1EMWR-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
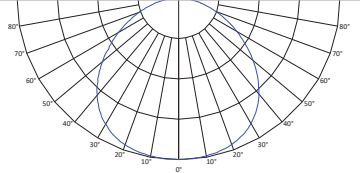
Color Metric Summary-3000K		
TM-30-15	Rf = 90.9	
	Rg = 100.7	
CRI/CIE	Ra = 94.1	
	R9 = 68.4	

CCT - Range of 2700K- 5000K

warm — cool

110°

*Additional photometric ies files available online.

HLB6S099FS1EMWR
HLB6S SeleCCTable

	CCT	Lumens	Power (W)	LPW
6in HLBS	2700K	954	13.7	69.6
	3000K	975	13.7	71.1
	3500K	1002	13.7	73.2
	4000K	1012	13.7	73.9
	5000K	1009	13.7	73.6

HLB6S099FS1EMW-3000K		
Luminaire lumens		975
Input watts		13.7
LER (LPW)		71.2
Spacing Criteria	0-180	1.22
	90-270	1.30
	Diagonal	1.38
Beam angle (degrees)		110.3
Field angle (degrees)		161.8
Zonal lumen	**Lumens**	**% Lumens**
0-30	273	28
0-40	449	46.1
0-60	782	80.2
0-90	975	100
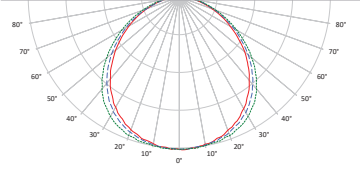
Color Metric Summary-3000K		
TM-30-15	Rf = 92.7	
	Rg = 98	
CRI/CIE	Ra = 94.9	
	R9 = 74.9	

CCT - Range of 2700K- 5000K

warm — cool

110°

*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-*

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