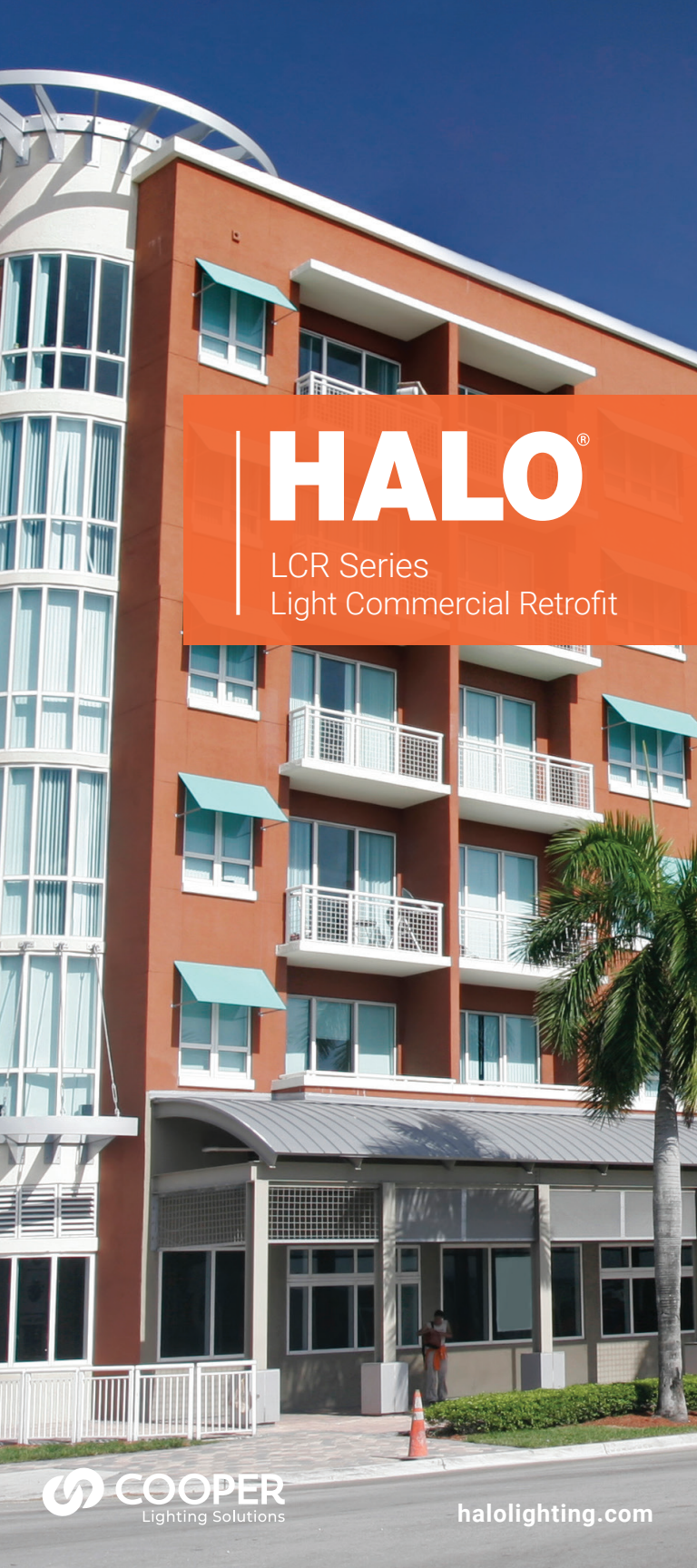




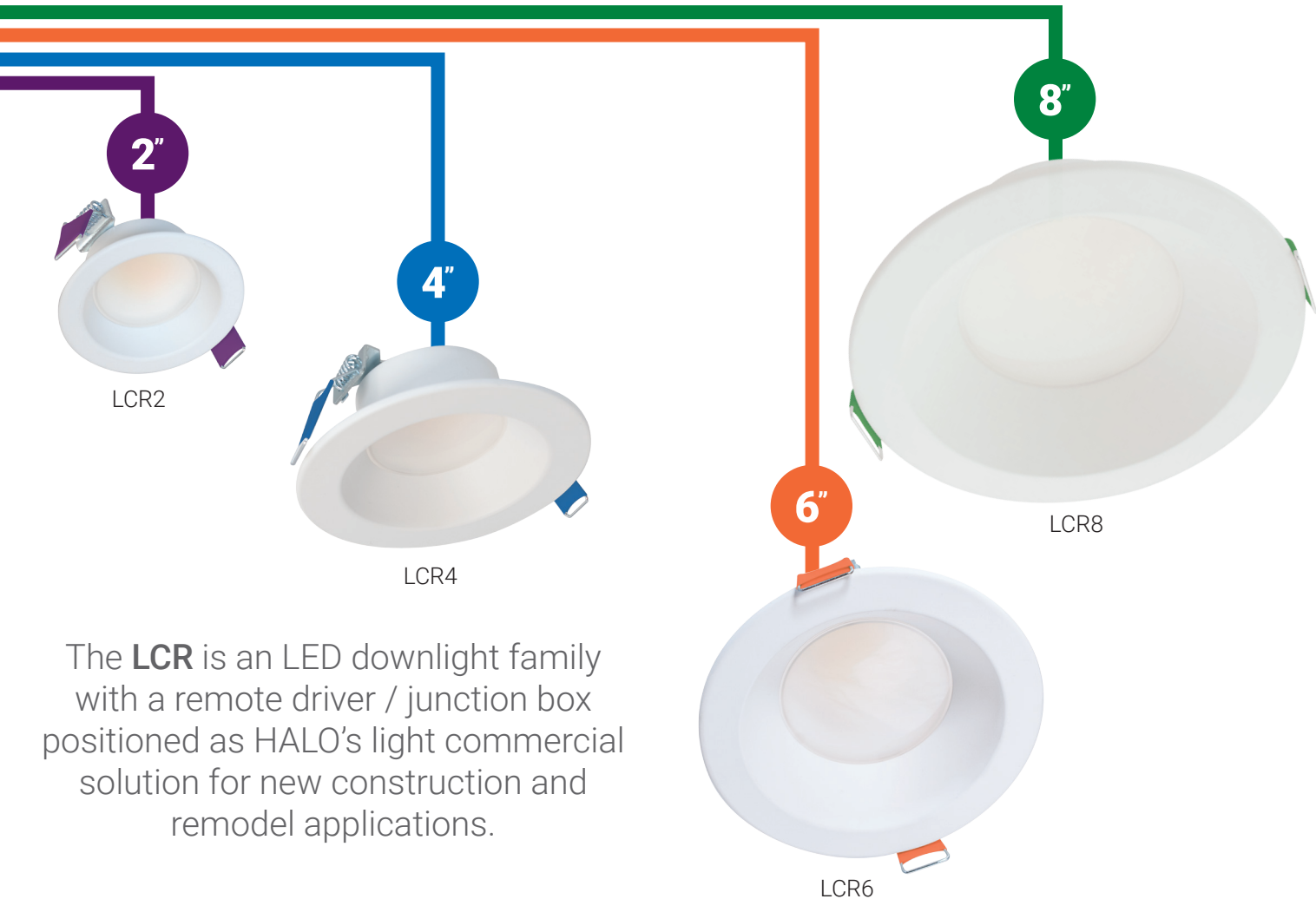
HALO[®]

LCR Series
Light Commercial Retrofit

HALO® LCR Series



Solutions for Mixed-Use and
Light Commercial Spaces



The **LCR** is an LED downlight family with a remote driver / junction box positioned as HALO's light commercial solution for new construction and remodel applications.

Direct Mount Installation

NO HOUSING NEEDED!



The LCR series simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money.

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



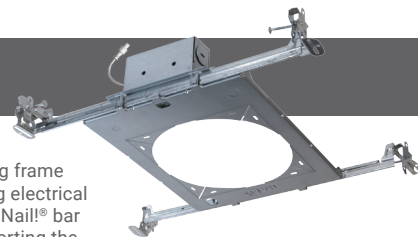
5
seleCCTable™
colors

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.

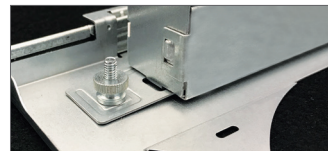


New Construction Mounting Frames

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



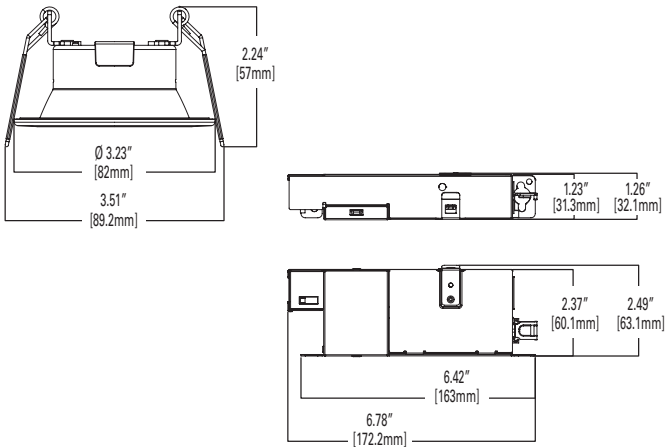
During electrical rough-in, the driver / junction box attaches to the mounting frame with captive fasteners meeting code requirements for attachment to the building structure.



HL4RSMF - 4" round and square mounting frame
HL6RSMF - 6" round and square mounting frame
HL8RSMF - 8" round and square mounting frame



- 2" smooth baffle provides high optical cutoff
- Direct mount - does not require recessed housing or junction box
- Delivers up to 800 lumens
- 5-color field selectable CCT - 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI minimum as standard
- L70 @ 50,000 Hrs
- Dimmable to 100% - 5% with 120-277V with 0-10V dimmers or 120V with phase control dimmers
- UL Certified for US and Canada
- UL Damp Location Listed for walls & ceiling
- Five-year limited warranty



LCR4089FSE010MW		
	120V	277V
Max. Lumens	787 @ 5000K	
Input Voltage	120-277V	
Input Frequency	50/60Hz	
Input Power	9.11W	9.26W
Input Current	0.077A	0.035A
Power Factor	>0.90	
THD	<20%	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)	
Sound Rating	Class A	
Minimum Starting Temp	-30°C (-22°F)	

Ordering Information

SAMPLE NUMBER: LCR2089FSE010MW

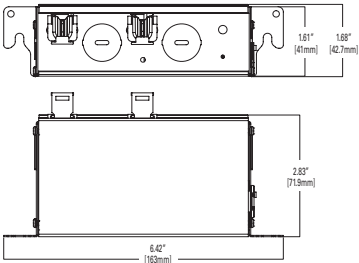
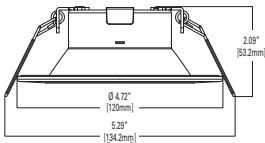
Models	Lumens	CRI / CCT
LCR2 = 2-inch all-purpose round LED module	08 = 800 lumens (nominal)	9FS=90 CRI minimum, field selectable CCT, choose 2700K, 3000K, 3500K, 4000K or 5000K CCT
Driver		Finish
E010 = UNV 120-277V, 50/60Hz, 0-10V analog 100%-5% dimming 1E = UNV 120-277V, 50/60Hz, 120V analog 100%-5% dimming		MW = Matte white



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" smooth baffle provides high optical cutoff
- Direct mount - does not require recessed housing or junction box
- Delivers up to 1200 lumens
- 5-color field selectable CCT - 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI minimum as standard
- L70 @ 50,000 Hrs
- Dimmable to 100% - 5% with 120-277V with 0-10V dimmers
- UL Certified for US and Canada
- UL Damp Location Listed for walls & ceiling
- Five-year limited warranty



	LCR4089FSE010MW		LCR4129FSE010MW	
	120V	277V	120V	277V
Max. Lumens	849 @ 3000K		1272 @ 4000K	
Input Voltage	120-277V		120-277V	
Input Frequency	50/60Hz		50/60Hz	
Input Power	9.77W	9.95W	14.31W	14.39W
Input Current	0.082A	0.037A	0.120A	0.055A
Power Factor	>0.90		>0.90	
THD	<20%		<20%	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)		FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)	
Sound Rating	Class A		Class A	
Minimum Starting Temp	-30°C (-22°F)		-30°C (-22°F)	

Ordering Information

SAMPLE NUMBER: LCR4089FSE010MW		
Models	Lumens	CRI / CCT
LCR4 = 4-inch all-purpose round LED module	08 = 800 lumens (nominal) 12 = 1200 lumens (nominal)	9FS=90 CRI minimum, field selectable CCT, choose 2700K, 3000K, 3500K, 4000K or 5000K CCT
Driver	Finish	
E010 = UNV 120-277V, 50/60Hz, 0-10V analog 100%-5% dimming	MW = Matte white	



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1500 Lumen / 2100 Lumen

3000 Lumen

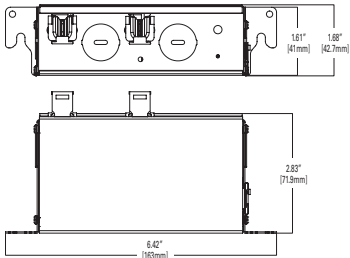
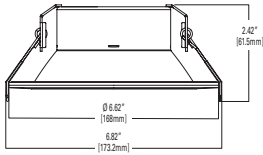
- 6" smooth baffle provides high optical cutoff
- Direct mount - does not require recessed housing or junction box
- Delivers up to 3000 lumens
- 5-color field selectable CCT - 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI minimum as standard
- L70 @ 50,000 Hrs
- Dimmable to 100% - 5% with 120-277V with 0-10V dimmers
- UL Certified for US and Canada
- UL Damp Location Listed for walls & ceiling
- Five-year limited warranty

Ordering Information

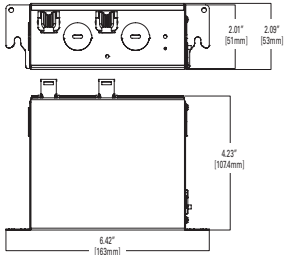
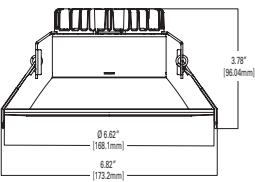
SAMPLE NUMBER: LCR6089FSE010MW

Models	Lumens	CRI / CCT
LCR6 = 6-inch all-purpose round LED module	15 = 1500 lumens (nominal) 21 = 2100 lumens (nominal) 30 = 3000 lumens (nominal)	9FS =90 CRI minimum, field selectable CCT, choose 2700K, 3000K, 3500K, 4000K or 5000K CCT
Driver		Finish
E010 = UNV 120-277V, 50/60Hz, 0-10V analog 100%-5% dimming		MW = Matte white

1500 lumen / 2100 lumen



3000 lumen



	LCR6159FSE010MW		LCR6219FSE010MW		LCR6309FSE010MW	
	120V	277V	120V	277V	120V	277V
Lumens	1613 @ 4000K		2333 @ 3500K		2999 @ 4000K	
Input Voltage	120-277V		120-277V		120-277V	
Input Frequency	50/60Hz		50/60Hz		50/60Hz	
Input Power	16.33W	16.45W	25.08W	24.36W	30.66W	30.28W
Input Current	0.137A	0.067A	0.211A	0.097A	0.257A	0.115A
Power Factor	>0.90		>0.90		>0.90	
THD	<20%		<20%		<20%	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)		FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)		FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)	
Sound Rating	Class A		Class A		Class A	
Minimum Starting Temp	-30°C (-22°F)		-30°C (-22°F)		-30°C (-22°F)	



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.



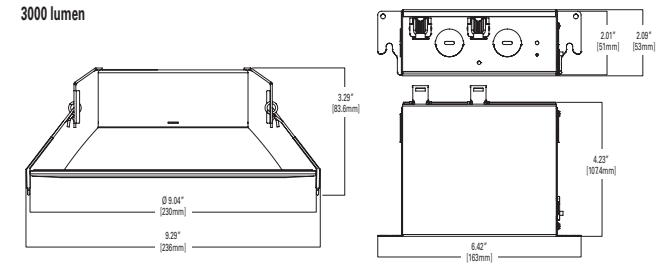
- 8" smooth baffle provides high optical cutoff
- Direct mount - does not require recessed housing or junction box
- Delivers up to 8000 lumens
- 5-color field selectable CCT - 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI minimum as standard
- L70 @ 50,000 Hrs
- Dimmable to 100% - 5% with 120-277V with 0-10V dimmers
- UL Certified for US and Canada
- UL Damp Location Listed for walls & ceiling
- Five-year limited warranty

Ordering Information

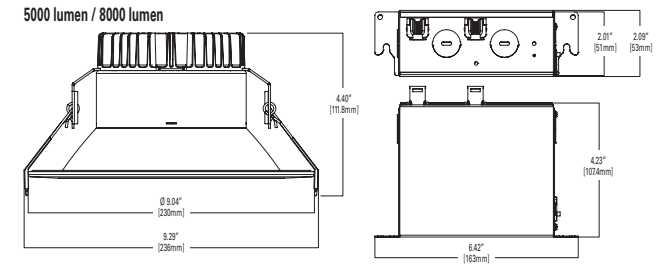
SAMPLE NUMBER: LCR8089FSE010MW

Models	Lumens	CRI / CCT
LCR8 = 8-inch all-purpose round LED module	30 = 3000 lumens (nominal) 50 = 5000 lumens (nominal) 80 = 8000 lumens (nominal)	9FS=90 CRI minimum, field selectable CCT, choose 2700K, 3000K, 3500K, 4000K or 5000K CCT
Driver		Finish
E010 = UNV 120-277V, 50/60Hz, 0-10V analog 100%-5% dimming		MW = Matte white

3000 lumen



5000 lumen / 8000 lumen



	LCR8309FSE010MW		LCR8509FSE010MW		LCR8809FSE010MW	
	120V	277V	120V	277V	120V	277V
Lumens	3164 @ 3500K		4989 @ 3500K		7752 @ 3500K	
Input Voltage	120-277V		120-277V		120-277V	
Input Frequency	50/60Hz		50/60 Hz		50/60 Hz	
Input Power	34.99W	34.64W	46.93W	47.72W	94.03W	90.1W
Input Current	0.294A	0.135A	0.396A	0.184A	0.788A	0.338A
Power Factor	>0.90		>0.90		>0.90	
THD	<20%		<20%		<20%	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)		FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)		FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)	
Sound Rating	Class A		Class A		Class A	
Minimum Starting Temp	-30°C (-22°F)		-30°C (-22°F)		-30°C (-22°F)	



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 Number	Accessories			
	Designer Trims	Oversized Trim	Extension Cable	Mounting Frame
LCR2089FSE010MW	●		●	
LCR2089FS1EMW	●		●	
LCR4089FSE010MW	●	●	●	●
LCR4129FSE010MW	●	●	●	●
LCR6159FSE010MW	●	●	●	●
LCR6219FSE010MW	●	●	●	●
LCR6309FSE010MW	●	●	●	●
LCR8309FSE010MW	●	●	●	●
LCR8509FSE010MW	●	●	●	●
LCR8809FSE010MW	●	●	●	●

Designer Trims



2" Round
LCR2TRMAH = 2" Haze, white flange
LCR2TRMSC = 2" Specular, white flange
LCR2TRMTBZ = 2" Tuscan bronze
LCR2TRMWH = 2" Paintable white

4" Round
LCR4TRMAH = 4" Haze, white flange
LCR4TRMSC = 4" Specular, white flange
LCR4TRMTBZ = 4" Tuscan bronze
LCR4TRMWH = 4" Paintable white

6" Round
LCR6TRMAH = 6" Haze, white flange
LCR6TRMSC = 6" Specular, white flange
LCR6TRMTBZ = 6" Tuscan bronze
LCR6TRMWH = 6" Paintable white

8" Round
LCR8TRMAH = 8" Haze, white flange
LCR8TRMSC = 8" Specular, white flange
LCR8TRMTBZ = 8" Tuscan bronze
LCR8TRMWH = 8" Paintable white

Oversized Trims



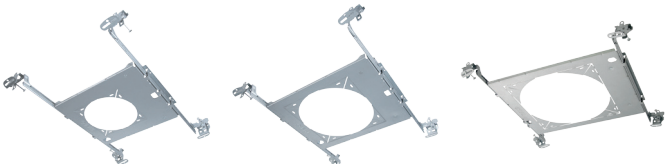
HLB4ROTMW - 4" round oversized trim
HLB6ROTMW - 6" round oversized trim
OT810P - 8" round oversized trim

Extension cables



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

Mounting Frames



HL4RSMF - 4" round and square mounting frame
HL6RSMF - 6" round and square mounting frame
HL8RSMF - 8" round and square mounting frame

Lighting Control Solution

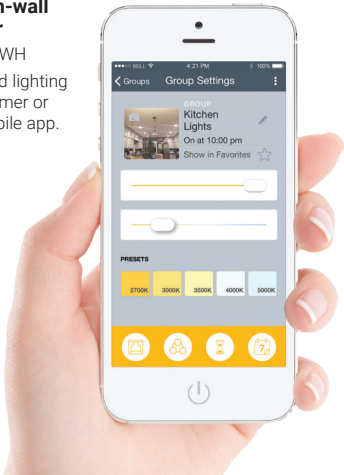
HALOHOME™



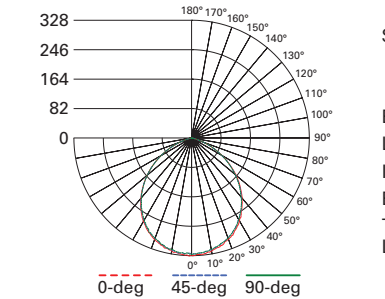
HALO Home In-wall Smart Dimmer

HIWMA1BLE40AWH
Controls standard lighting fixtures with dimmer or HALO Home mobile app.
Features include:

- ON/OFF
- Dim
- Group
- Scene
- Schedule



LCR2089FSE010MW



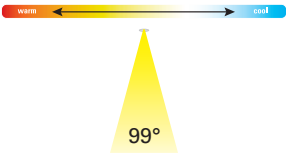
Spacing criterion: (0-180) 1.22
(90-270) 1.21
(Diagonal) 1.30

Beam Angle: 99°
Lumens: 755
Input Watts: 8.93 W
Efficacy: 84.6 LPW
Test Report:
LCR2089FSE010MW.IES

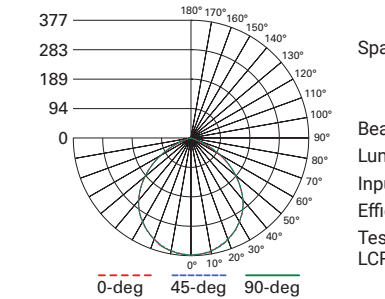
Zonal Lumen	Lumens	% Lumens
0-30	248	32.8
0-40	399	52.9
0-60	662	87.6
0-90	755	100

TM-30-15	Rf = 94 Rg = 99
CRI/CIE	Ra = 95 R9 = 64

CCT - Range of 2700K- 5000K



LCR4089FSE010MW



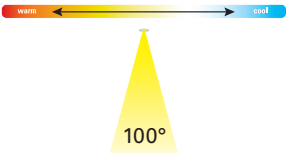
Spacing criterion: (0-180) 1.23
(90-270) 1.23
(Diagonal) 1.32

Beam Angle: 100°
Lumens: 869
Input Watts: 9.15 W
Efficacy: 95 LPW
Test Report:
LCR4089FSE010MW.IES

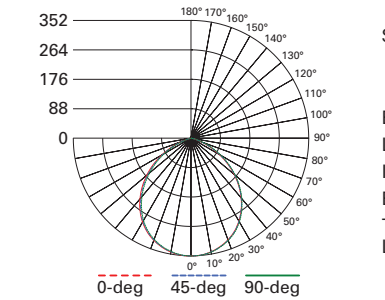
Zonal Lumen	Lumens	% Lumens
0-30	288	33.2
0-40	468	53.8
0-60	779	89.6
0-90	869	100

TM-30-15	Rf = 92 Rg = 97
CRI/CIE	Ra = 94 R9 = 58

CCT - Range of 2700K- 5000K



LCR2089FS1EMW



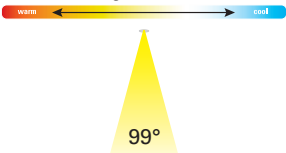
Spacing criterion: (0-180) 1.22
(90-270) 1.21
(Diagonal) 1.29

Beam Angle: 99°
Lumens: 802
Input Watts: 9.77 W
Efficacy: 82.1 LPW
Test Report:
LCR2089FS1EMW.IES

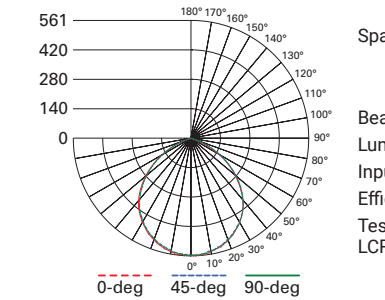
Zonal Lumen	Lumens	% Lumens
0-30	269	33.6
0-40	432	53.9
0-60	709	88.5
0-90	801	100

TM-30-15	Rf = 94 Rg = 99
CRI/CIE	Ra = 95.3 R9 = 67.3

CCT - Range of 2700K- 5000K



LCR4129FSE010MW



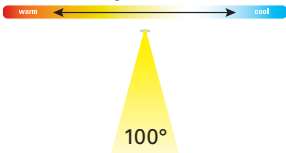
Spacing criterion: (0-180) 1.23
(90-270) 1.22
(Diagonal) 1.31

Beam Angle: 100°
Lumens: 1277
Input Watts: 13.58 W
Efficacy: 94.1 LPW
Test Report:
LCR4129FSE010MW.IES

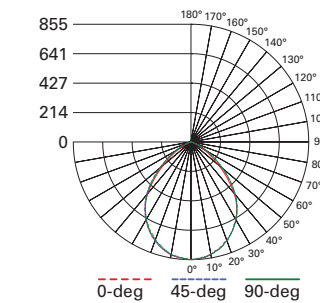
Zonal Lumen	Lumens	% Lumens
0-30	426	33.4
0-40	691	54.1
0-60	1145	89.6
0-90	1277	99.9

TM-30-15	Rf = 92 Rg = 97
CRI/CIE	Ra = 94 R9 = 56

CCT - Range of 2700K- 5000K



LCR6159FSE010MW

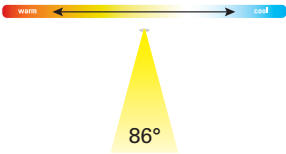


Spacing criterion: (0-180) 1.14
(90-270) 1.14
(Diagonal) 1.21

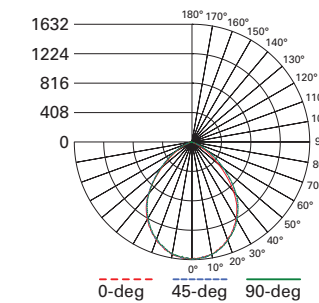
Beam Angle: 86°
Lumens: 1609
Input Watts: 15.85 W
Efficacy: 101.5 LPW
Test Report: LCR6159FSE010MW.IES

Zonal Lumen	Lumens	% Lumens
0-30	633	39.3
0-40	996	61.9
0-60	1490	92.6
0-90	1607	99.9

TM-30-15	Rf = 94 Rg = 99
CRI/CIE	Ra = 95 R9 = 67
CCT - Range of 2700K- 5000K	



LCR6309FSE010MW

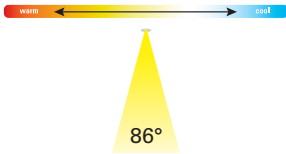


Spacing criterion: (0-180) 1.14
(90-270) 1.14
(Diagonal) 1.21

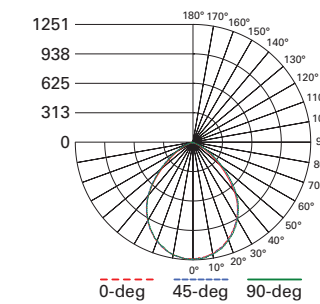
Beam Angle: 86°
Lumens: 3055
Input Watts: 29.41 W
Efficacy: 103.9 LPW
Test Report: LCR6309FSE010MW.IES

Zonal Lumen	Lumens	% Lumens
0-30	1200	39.3
0-40	1884	61.7
0-60	2823	92.4
0-90	3049	99.8

TM-30-15	Rf = 94 Rg = 100
CRI/CIE	Ra = 96 R9 = 72
CCT - Range of 2700K- 5000K	



LCR6219FSE010MW

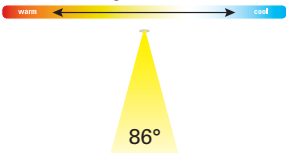


Spacing criterion: (0-180) 1.15
(90-270) 1.15
(Diagonal) 1.21

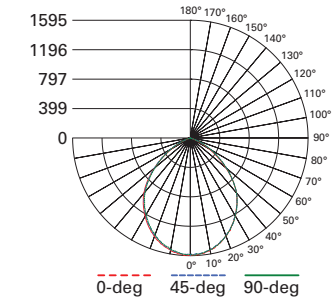
Beam Angle: 86°
Lumens: 2348
Input Watts: 24.26 W
Efficacy: 96.8 LPW
Test Report: LCR6219FSE010MW.IES

Zonal Lumen	Lumens	% Lumens
0-30	921	39.2
0-40	1449	61.7
0-60	2172	92.5
0-90	2344	99.8

TM-30-15	Rf = 93 Rg = 99
CRI/CIE	Ra = 95 R9 = 65
CCT - Range of 2700K- 5000K	



LCR8309FSE010MW



Spacing criterion: (0-180) 1.15
(90-270) 1.14
(Diagonal) 1.24

Beam Angle: 89°
Lumens: 3172
Input Watts: 33.91 W
Efficacy: 93.5 LPW
Test Report: LCR8309FSE010MW.IES

Zonal Lumen	Lumens	% Lumens
0-30	1172	37
0-40	1857	58.5
0-60	2906	91.6
0-90	3166	99.8

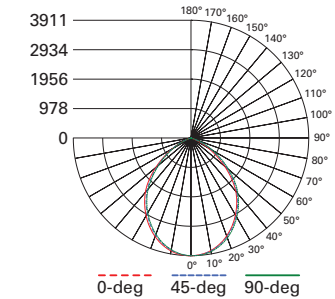
TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 95
	R9 = 65

CCT - Range of 2700K- 5000K



89°

LCR8809FSE010MW



Spacing criterion: (0-180) 1.14
(90-270) 1.14
(Diagonal) 1.22

Beam Angle: 89°
Lumens: 7699
Input Watts: 84.91 W
Efficacy: 90.7 LPW
Test Report: LCR8809FSE010MW.IES

Zonal Lumen	Lumens	% Lumens
0-30	2880	37.4
0-40	4539	59
0-60	7042	91.5
0-90	7681	99.8

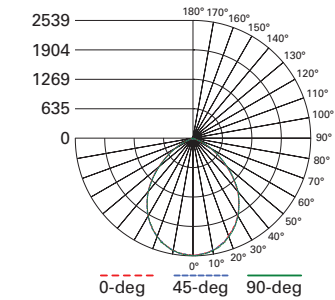
TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 95
	R9 = 65.8

CCT - Range of 2700K- 5000K



90°

LCR8509FSE010MW



Spacing criterion: (0-180) 1.15
(90-270) 1.15
(Diagonal) 1.23

Beam Angle: 89°
Lumens: 4999
Input Watts: 46.14 W
Efficacy: 108.3 LPW
Test Report: LCR8509FSE010MW.IES

Zonal Lumen	Lumens	% Lumens
0-30	1879	37.6
0-40	2962	59.2
0-60	4572	91.5
0-90	4989	99.8

TM-30-15	Rf = 91
	Rg = 99
CRI/CIE	Ra = 93
	R9 = 58

CCT - Range of 2700K- 5000K



89°





Cooper Lighting Solutions

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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
iLumin Plus
LumaWatt Pro
WaveLinx

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