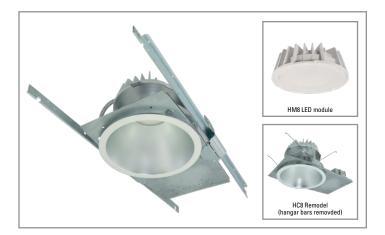
Project	Catalog #	Туре	
Prepared by	Notes	Date	



HALO Commercial

HC8 | HM8 | 81

8-inch LED downlight and wall wash

Typical Applications

Office • Education • Healthcare • Hospitality

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 10
- Product Warranty

Product Certification















Product Features





Control Compatibility





Top Product Features

- New construction/remodel series; 500 to 8,000 lumens
- Mounting frame converts to remodel that installs from below the ceiling
- 2700K, 3000K, 3500K, 4000K, 5000K CCT; 80 or 90 CRI
- · Reflector distributions in Narrow, Medium, Wide, and Wall Wash with rotatable linear spread lens
- Reflector finishes in Specular clear, semi-specular (haze), matte white, black baffle, and white baffle finishes
- Rapid Response emergency backup mounting frames fast delivery option

Dimensional and Mounting Details MAX MODULE HEIGHT (SEETABLE) -(CEILINGTHICKNESS) (REFLECTOR INNER APERTURE)





HALO Commercial

Mounting Frame Order Information

Sample Number: HC820D010REM7 - HM80520835 - 81MDC

A complete luminaire consists of a mounting frame, LED module, and reflector; ordered separately

Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
HC8 = 8" new construction downlight housing HC8CP = 8" new construction housing, Chicago Plenum - CCEA compliant	05 = 500 lm 07 = 750 lm 10 = 1000 lm 15 = 1500 lm 20 = 2000 lm 25 = 2500 lm 30 = 3000 lm 35 = 3500 lm 40 = 4000 lm 45 = 4500 lm 50 = 5000 lm 50 = 6000 lm	D010=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls Canada Option 500-5000 lumens: D010347 = 347VAC 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000lm models only (1) Canada Option 5500-8000 lumens: D010X347 = step down transformer factory installed (with standard "D010" 120V-277V LED driver). For 5500, 6000, 8000lm models only (1)(9) DLY = Distributed Low Voltage dimming driver 1%-100%, 1000-4000 lumens only. For use with DLVP system only, refer to DLVP specifications for details. (1)(6)	REM7 = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (8) REM14 = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (8) IEM7 = 7 watt emergency battery pack with integral test / indicator light, use with D010 only (1) (2) (8) IEM14 = 14 watt emergency battery pack with integral test / indicator light, use with D010 only (1) (2) (8) IEM15 = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (8) WTA = Factory WaveLinx Tilemount Sensor Kit (4) WTK = Factory WaveLinx LITE Commercial Tilemount Sensor Kit (8) WPN = WaveLinx PRO Wireless Node without sensor (11) REMV7 = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (8) (8) REMV14 = 14 watt emergency battery pack with integral test / indicator light, use with DLV only (1) (2) (9) (1) IEMV7 = 7 watt emergency battery pack with integral test / indicator light, use with DLV only (1) (2) (9) (1) IEMV14 = 14 watt emergency battery pack with integral test / indicator light, use with DLV only (1) (2) (9) (1) IEMV14 = 14 watt emergency battery pack with integral test / indicator light, use with DLV only (1) (2) (9) (1)	HB128APK = L channel hanger bar, 26", pair (replacement) RMB22 = Adjustable wood joist mounting bars, pair, extend to 22" long H347 = 347 to 120V step down transformer, 75VA H347200 = 347 to 120V step down transformer, 200VA WTA = Field WaveLinx Tilemount Sensor Kit (9) WTK = Field WaveLinx LITE Commercial Tilemount Sensor Kit (9)
Notes	Notes (7) Marked Spacing: Center to Center to Enter of Adjacent Luminaires = 38" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5"	Notes (1) Not available with CP models (6) New Construction ONLY - Not available with retrofit kit models	Notes (1) Not available with CP models (2) Not available with D010347 (34TV driver) (3) Ulus for U.S. only (4) WTA = WaveLinx tilemount sensor kit for daylight dimming, PIR motion sensing, and optional RITS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE specifications) (8) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C (11) WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.	Notes (4) WTA = WaveLinx tilemount sensor kit for day- light dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 noly (Refer to WaveLinx specifications) (5) WTK = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE specifications)

Rapid Response Emergency Mounting Frame Order Information

Sample Number:

Rapid Response Emergency Mounting Frame: RR-HC820D010REM7

LED module and reflectors are ordered separately.

Sample Number: LED Module: HM80520835 | Reflector: 81MDC

Select from the Rapid Response Mounting Frame ordering information to receive the Fast Delivery option for the frame.

RR Code	Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
RR = East Region BRR = West Region	HC8 = 8" new construction downlight housing	05 = 500 lm 07 = 750 lm 10 = 1000 lm 15 = 1500 lm 20 = 2000 lm 25 = 2500 lm 36 = 3000 lm 37 = 3500 lm 38 = 3500 lm 40 = 4000 lm 40 = 4500 lm 50 = 5000 lm 50 = 5000 lm 60 = 6000 lm	D010 =UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls	REM7 = 7 watt emergency battery pack with remote test / indicator light, use with D010 only ^{(2) (8)} REM14 = 14 watt emergency battery pack with remote test / indicator light, use with D010 only ^{(2) (8)} IEM7 = 7 watt emergency battery pack with integral test / indicator light, use with D010 only ^{(2) (8)} IEM14 = 14 watt emergency battery pack with integral test / indicator light, use with D010 only ^{(2) (8)} BDD7ST = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only ^{(2) (8)}	HB128APK = L channel hanger bar, 26", pair (replacement) RMB22 = Adjustable wood joist mounting bars, pair, extend to 22" long
Notes	Notes	Notes (7) Marked Spacing: Center to Center of Adjacent Luminaires = 36" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5"	Notes	Notes (2) Not available with D010347 (347V driver) (8) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C	Notes



HALO Commercial

LED Module Order Information

Module	Lumens	CRI / CCT	
HM8 = 8" LED Modules	0520 = 500 - 2000 lumen 2555 = 2500-5500 lumen 6080 = 6000-8000 lumen	827 = 80CRI, 2700K 927 = 90CRI, 2700K 830 = 80CRI, 3000K 930 = 90CRI, 3000K 835 = 80CRI, 3500K 935 = 90CRI, 3500K 840 = 80CRI, 4000K 940 = 90CRI, 4000K 850 = 80CRI, 5000K 950 = 90CRI. 5000K	
Notes	Notes	Notes	

Trim Order Information

Reflector	Distribution (10)	Finish	Flange	Accessories
81 = 8" conical reflector	ND = narrow reflector 13° beam angle, 0.24 SC MD = medium reflector 37° beam angle, 0.60 SC WD = wide reflector 71° beam angle, 1.08 SC RWW = rotatable wall wash with linear spread lens	C = Specular clear H = Semi-specular clear W = White	Blank = Polished flange standard with C & H reflectors Blank = White flange standard with W reflector WF = White flange option available with C & H reflectors	81RWWPK = Replacement part kit - wall wash lens insert - for use with 81RWW* only.
81 = 8" baffle reflector	WD = wide baffle 71° beam angle, 1.08 SC RWW = rotatable wall wash with linear spread lens (wide beam baffle with lens wall wash)	BB = Black baffle WB = White baffle	Blank = White flange standard with BB & WB BF = Black flange option available with BB	
81PS = 8" non-conductive polymer conical reflector (9)	MD = medium reflector 37° beam angle, 0.60 SC	W = White	Blank = White flange standard with W reflector	
Integral Emergency				
81IEM = 8" conical reflector for integral emergency only	ND = narrow reflector 13° beam angle, 0.24 SC MD = medium reflector 37° beam angle, 0.60 SC WD = wide reflector 71° beam angle, 1.08 SC	C = Specular clear H = Semi-specular clear W = White	Blank = Polished flange standard with C & H reflectors Blank = White flange standard with W reflector WF = White flange option available with C & H reflectors	IEM = Reflector for IEM only
81IEM = 8" baffle reflector for integral emergency only	WD = wide baffle 71° beam angle, 1.08 SC	BB = Black baffle WB = White baffle	Blank = White flange standard with BB & WB BF = Black flange option with BB	IEM = Reflector for IEM only
Notes (9) 81PS reflector is for Non-IC environment only, and up to 4000 lumens only	Notes (10) Values are nominal, based on specular clear reflector, other may vary.	Notes	Notes	Notes



Product Specifications

- Boat shaped galvanized steel plaster frame with adjustable plaster lip for 1/2" to 1-1/2" thick ceilings
- May be installed in new construction; or from below the finished (non-accessible) ceiling in remodelina.
- Provided with (2) old work clips to secure the frame to the ceiling when remodeling

Universal Mounting Bracket

- Mounting bracket adjusts 2" vertically from above the ceiling or thru the aperture
- Use with the included mounting bars or with 1/2" EMT (by others)
- Removable to facilitate installation from below the finished ceiling

- Captive preinstalled No Fuss™ mounting bars lock to tee grid with screwdriver or pliers
- Centering mechanism allows for consistent positioning of fixtures
- Accessory adjustable wood joist mounting bars option available to order separately (requires field replacement of No Fuss bars)

LED Module

- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and
- Available in 80 or 90 CRI minimum, provides accuracy within 3 SDCM color uniformity
- 90 CRI, R9>50 (refer to photometry section for colorimetric data)
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Lumen options include 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 8000 lumens (nominal)
- Passive thermal management achieves L70 at 60,000 hours in IC and non IC applications (refer to compliance listings)
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector

- Self-flanged aluminum reflectors are available in narrow, medium or wide distribution patterns
- Medium distribution non-conductive polymer matte white reflector for use in meeting 'dead front' applications
- Wall wash reflector features a rotatable linear spread lens for precise alignment of vertical illumination
- Reflectors attach to LED module with (3) speed
- Multiple painted or plated finishes are available

Reflector / Module Retention

Reflector / module assembly is securely retained in the housing with (2) torsion springs

Driver

- · Field replaceable constant current driver
- UNV 120-277VAC 50/60Hz input standard;
- Continuous 1% 100% dimming with 0-10V analog controls
- Optional "DLV" low voltage DC driver for Cooper Lighting Solutions DLVP distributed low voltage system combines power and control

Canada Options

- 347VAC 50/60Hz; 1% dimming on 0 -10V analog control, for 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000 lumen models only
- 347V step down transformer factory installed with the standard "D010" 120V-277V, LED driver on 5500, 6000, 8000 lumen models only

Emergency Option

- Provides 90 minutes of standby lighting meeting most life safety codes for egress
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic), with remote charge indicator and test switch
- Rapid Response emergency ordering option for quick-turn projects

Connected Lighting System

Two WaveLinx connected solutions to choose from. Refer to WaveLinx system specifications and application guides for details.

WaveLinx PRO Tilemount Sensor Kit

WaveLinx WTA tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available

WaveLinx PRO Wireless Node

WaveLinx PRO wireless node provides luminairelevel control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.

WaveLinx LITE Tilemount Sensor Kit

WaveLinx LITE WTK tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx Tilemount Kits Application

- The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Junction Box

- Galvanized steel junction box
- 20 in 3 internal volume excluding voltage barrier
- 25 in 3 internal total volume
- Voltage divider for 0-10V dimming wires [occupies (1) 1/2" pry-out space]
- Listed for (8) #12 AWG (four in, four out) 90° C conductors and feed-thru branch wiring
- (3) 1/2" and (2) 3/4" trade size pry-outs available
- (3) 4-port push wire nuts for mains voltage, with 1-port for fixture connection

Compliance

- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- Emergency options provided with UL Listed emergency drivers to UL 924 / C22.2 No. 141, suitable for indoor/damp locations.
- IP20 Above finished ceiling; IP65 - Below finished ceiling
- Non-IC rated 3500, 4000, 4500, 5000, 5500, 6000, 8000 lumen models. Insulation must be kept 3" from top and sides.
- IC rated 500, 750, 1000, 1500, 2000, 2500, 3000 lumen models are suitable for direct contact with air permeable insulation (IC models are also suitable for Non-IC)
- Non-IC marked spacing required for 3500, 4000, 4500, 5000, 5500, 6000, 8000 lumen models
 - Marked Spacing Center to Center of Adjacent Luminaires = 36
 - Center of Luminaire to Building Member = 18"
 - Minimum overhead = 0.5
- · Emergency battery backup options are Non-IC only.
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- 500, 750, 1000, 1500 lumen 90CRI IC rated model may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code, in Non-IC, as a dimmable LED luminaire
- ENERGY STAR® certified, refer to certified light fixtures database

Warranty

Five year limited warranty, consult website for details. www.cooperlighting.com/legal

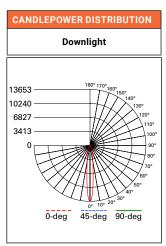


Photometric Data



NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K





С	CONE OF LIGHT			
000				
МН	FC	L	W	
5.5'	451.4	1.2	1.2	
7'	278.6	1.4	1.4	
8'	213.3	1.6	1.6	
9'	168.6	1.8	1.8	
10'	136.5	2.2	2.2	
12'	94.8	2.6	2.6	

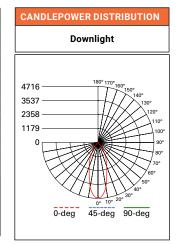
CANDELA TABLE		
Degrees Vertical	Candela	
0	13653	
5	8724	
15	2306	
25	1331	
35	319	
45	47	
55	3	
65	2	
75	0	
85	2	
90	0	

ZONAL LUMEN SUMMARY				
Zone	Lumens % Fixture			
0-30	1946 87			
0-40	2190 97.9			
0-60	2234 99.9			
0-90	2237 100			
90-180	0 0			
0-180	2237 100			

LUMIN	LUMINANCE		
Average Candela Degrees	Average 0° Luminance		
45	2037		
55	161		
65	109		
75	0		
85	531		

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

MEDIL	MEDIUM (60° BEAM*)		
Test Number	P575617		
Housing	HC820D010		
Module	HM80520835		
Reflector	81MDC		
Lumens	2434 Lm		
Efficacy	121.7 Lm/W		
sc	0.58		
UGR	11.8		



CONE OF LIGHT				
0° D				
МН	FC	L	W	
5.5'	155.9	3.2	3.2	
7'	96.3	4	4	
8'	73.7	4.6	4.6	
9'	9' 58.2 5.2 5.2			
10'	47.2	5.8	5.8	
12'	32.8	7	7	

CANDEL	CANDELA TABLE		
Degrees Vertical	Candela		
0	4716		
5	4483		
15	2870		
25	1630		
35	592		
45	93		
55	14		
65	3		
75	0		
85	0		
90	0		

ZONAL LUMEN SUMMARY				
Zone	Lumens	% Fixture		
0-30	1954	80.3		
0-40	2339	96.1		
0-60	2431	99.9		
0-90	2434	100		
90-180	0	0		
0-180	2434	100		

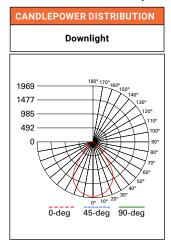
LUMINANCE			
Average Candela Degrees	Average 0° Luminance		
45	4073		
55	731		
65	219		
75	0		
85	0		

Photometric Data



WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE	(65° BEAM*)
Test Number	P575620
Housing	HC820D010
Module	HM80520835
Reflector	81WDC
Lumens	2531 Lm
Efficacy	126.5 Lm/W
SC	1.1
UGR	11.6



CONE OF LIGHT						
0° D						
МН	FC	L	W			
5.5'	65.1	6	6			
7'	40.2	7.6	7.6			
8'	8' 30.8 8.6 8.6					
9'	24.3	9.8	9.8			
10'	19.7	10.8	10.8			
12' 13.7 13 13						

CANDELA TABLE			
Candela			
1969			
1909			
1809			
1585			
1107			
389			
130			
15			
2			
0			
0			

ZONAL LUMEN SUMMARY			
Zone	Lumens	% Fixture	
0-30	1415	55.9	
0-40	2076	82	
0-60	2510	99.2	
0-90	2531	100	
90-180	0	0	
0-180	2531	100	

LUMINANCE		
Average Candela Degrees	Average 0° Luminance	
45	16947	
55	6962	
65	1094	
75	179	
85	0	

*Value are nominal with specular clear reflectors, other finishes and field results may vary. SC = Spacing Criteria UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.32	0.43	0.53	0.72	1.00	1.24	1.51	1.80
4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen	8000 Lumen		

 $\label{eq:multipliers} \mbox{Multipliers for relative lumen values with other series models}.$

Color Finish Multipliers

Finish code	С	Н	W	ВВ
Finish	Specular Clear	Semi-Specular	Matte White	Black Baffle (lower cone)
Multiplier	1.00	0.95	0.91	0.89

Multipliers for relative lumen values with other color finishes.

CCT Multipliers - 80CRI

2700K	3000K	3500K	4000K	5000K
0.97	0.96	1.00	1.07	1.07

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers - 90CRI

2700K	3000K	3500K	4000K	5000K
0.78	0.87	0.92	0.94	0.94

Multipliers for relative lumen values with other series color temperatures.

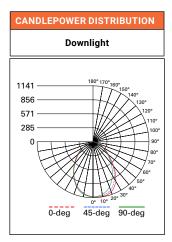


Photometric Data



WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH			
Test Number	P575619		
Housing	HC820D010		
Module	HM80520835		
Reflector	81RWWC		
Lumens	2145 Lm		
Efficacy	107.2 Lm/W		
sc	1.08		



CANDEL	A TABLE			
Degrees Vertical	Candela			
0	1129			
5	1139			
15	1127			
25	1028			
35	803			
45	524			
55	330			
65	197			
75	90			
85	15			
90	0			

ZONAL	LUMEN SU	JMMARY
Zone	Lumens	% Fixture
0-30	831	38.7
0-40	1278	59.6
0-60	1933	90.1
0-90	2145	100
90-180	0	0
0-180	2145	100

LUMIN	NANCE
Average Candela Degrees	Average 0° Luminance
45	22864
55	17741
65	14403
75	10770
85	5307

SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

SINGLE UNIT FOOTCANDLES											
2.5' from wall (distance from fixture along wall)											
1	20.6	14.6	6.2	2.3	0.8	0.3	0.1				
2	30	23.2	12.3	5.7	2.6	1.2	0.6				
3	27.9	23	13.8	7.2	3.7	1.9	1				
4	21	18.3	12.5	7.4	4.1	2.3	1.3				
5	14.3	13	9.9	6.6	4.1	2.5	1.5				
6	9.7	9	7.4	5.4	3.7	2.4	1.6				
7	6.7	6.3	5.5	4.3	3.2	2.2	1.5				
8	4.7	4.5	4	3.4	2.6	1.9	1.4				
9	3.4	3.3	3.1	2.6	2.1	1.7	1.3				
10	2.6	2.5	2.3	2.1	1.7	1.4	1.1				

MULTIPLE UNIT FOOTCANDLES											
		5' from wa e from fixtu — 3 —				5' from w e from fixtu — 4 "—					
1	22.9	20	22.9		21.4	12.5	21.4				
2	35.7	35	35.7		32.6	24.7	32.6				
3	35.1	36.6	35.1		31.6	27.7	31.6				
4	28.4	31	28.4		25.2	25	25.2				
5	20.9	23.2	20.9		18.4	19.8	18.4				
6	15.1	16.6	15.1		13.3	14.8	13.3				
7	11	11.9	11		9.8	10.9	9.8				
8	8.1	8.7	8.1		7.3	8.1	7.3				
9	9 6.1 6.4		6.1		5.6	6.1	5.6				
10	4.6	4.9	4.6		4.3	4.7	4.3				

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.32	0.43	0.53	0.72	1.00	1.24	1.51	1.80
4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen	8000 Lumen		
2 10	2.26	2 39	2.50	2 63	3.05		

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	С	Н	W	ВВ
Finish	Specular Clear	Semi-Specular	Matte White	Black Baffle (lower cone)
Multiplier	1.00	0.95	0.91	0.89

Multipliers for relative lumen values with other color finishes.

CCT Multipliers - 80CRI

2700K	3000K	3500K	4000K	5000K	
0.97	0.96	1.00	1.07	1.07	

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers - 90CRI

<u> </u>					
2700K	3000K	3500K	4000K	5000K	
0.78	0.87	0.92	0.94	0.94	

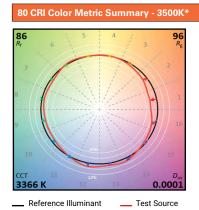
Multipliers for relative lumen values with other series color temperatures.

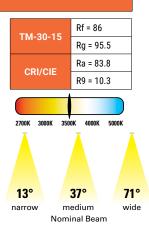
Note: Refer to IES files for more product data.

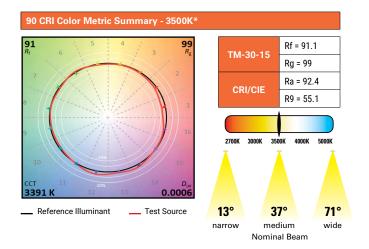


Energy and Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)







ENERGY DATA

Series	500 lumen		750 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.051	0.026	0.067	0.036	0.083	0.039	0.119	0.053	0.171	0.077
Input Power (W)	6.1	6.5	7.9	8.3	10	10.4	14.5	14.5	20.9	20.6
In-rush (A)	1.9	8.4	2	8.4	2.2	8.5	2.7	8.5	2.1	9.7
Inrush duration (µs)	251	135	237	133	250	134	250	139	245	131
THD (%)	6.2	13.5	7.4	8.8	5.4	10.3	10	6.7	6.5	7.9
PF	≥ 0.99	≥ 0.9	≥ 0.98	≥ 0.92	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.96

Series	2500	umen	3000	umen	3500	lumen	4000	umen	4500 l	umen
Input Voltage 120-277VAC	120V	277V								
Input Current (A)	0.2	0.088	0.24	0.107	0.292	0.152	0.351	0.159	0.384	0.172
Input Power (W)	23.9	23.8	28.6	28.5	34.6	35.1	42.1	42.1	45.9	45.6
In-rush (A)	2.1	9.9	2.5	11.6	3.4	13.9	3.1	14.7	3.1	14.8
Inrush duration (µs)	244	137	216	111	183	95	200	98	202	100
THD (%)	8.7	6.7	7.8	8.3	5.6	10	4.1	9.5	4.5	8.5
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

Series	5000 lumen		5500 lumen		6000 lumen		8000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.419	0.186	0.457	0.201	0.489	0.214	0.61	0.29
Input Power (W)	50.1	49.5	54.6	53.7	58.4	57.4	72.5	72.9
In-rush (A)	3.1	15	3.2	14.8	3.4	14.8	6.8	12.9
Inrush duration (µs)	202	117	196	131	192	121	119	109
THD (%)	5.5	7.6	7	7.2	8.1	7.2	10.1	18.6
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.97	≥ 0.98	≥ 0.91

Minimum starting temperature -30°C (-22°F)*

(Nominal input 120-277VAC & 100% of rated output power)

Sound Rating: Class A standards

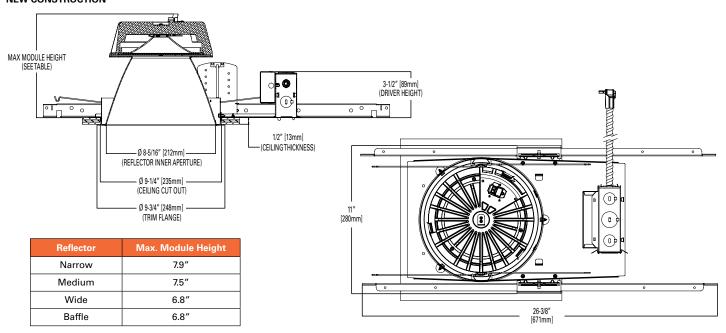
Notes:

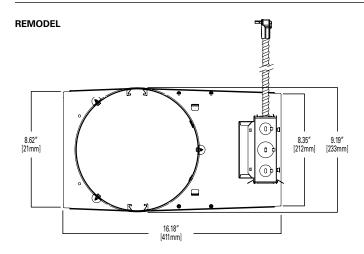
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.



Dimensional Details

NEW CONSTRUCTION







Connected Solutions



WaveLinx LITE - WTK Tilemount Sensor

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details









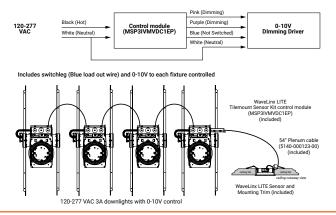








WaveLinx LITE WTK Tilemount Wiring Diagram



WaveLinx LITE Bluetooth Enabled System * 8

WaveLinx PRO - WTA Tilemount Sensor

- WaveLinx PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations



WaveLinx mobile app settings











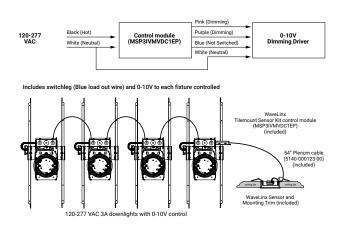




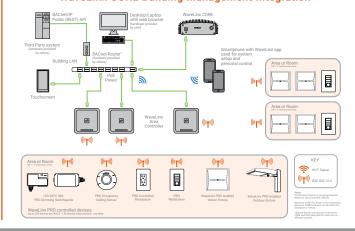




WaveLinx WTA Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions

WaveLinx PRO Wireless Node - WPN

- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- · Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinx Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations



WaveLinx mobile app settings











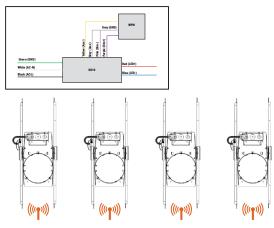






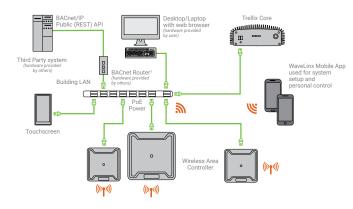


WaveLinx PRO Wireless Node (WPN) Wiring Diagram



120-277 VAC 3A downlights with 0-10V control

WaveLinx CORE Building Management Integration



Cooper Lighting Solutions

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