Project	Catalog #	Туре	
Prepared by	Notes	Date	



HCM1 | HCM2 | HCM3 | HCM4

Multi-Head 1, 2, 3, or 4 light adjustable heads in recessed enclosure for directional accent, signage, wall wash, task, and ambient lighting

Typical Applications

Healthcare • Hospitality • Retail • Institutional • Indoor Display & Signage

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Energy & Performance Data page 5
- Photometric Data page 6
- Connected Systems page 9
- Product Warranty

Product Certification













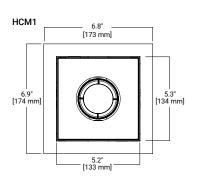


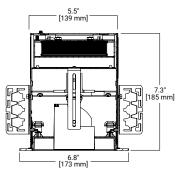


Top Product Features

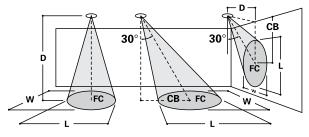
- 1, 2, 3, or 4 adjustable multi-head recessed luminaire, with 2700K, 3000K, 3500K, 4000K CCT options, in 90CRI
- Multi-heads feature nominal >1200 lumens per head, 0-70° tilt from nadir, 355° rotation, interchangeable optics SP, NFL, FL (NFL included)
- · Flanged trim standard, accessory rimless mud-in field installation kit option for new construction
- Matte White and Matte Black finish options for Housing, Multi-heads, Cover plate and Flange; in new construction or remodeler housings
- UNV 120V-277V with 1%-100% dimming on 0-10V controls at 277V; 1%-100% dimming on LE/TE phase control dimmers at 120V

Dimensional and Mounting Details





Directional Aiming



Note: 0-70° tilt from nadir, 30° illustrated.

D = Distance in feet to floor or wall.

FC = Footcandles on floor or wall at center beam aiming location.

L = Effective Visual Beam length in feet (50% of maximum footcandle level.)
W = Effective Visual Beam width in feet (50% of maximum footcandle level.)

CB = Distance in feet across or down to center beam location.





Order Information

SAMPLE ORDER NUMBER: HCM4935ED010MW

Additional options and accessories are purchased separately.

New Construction Housing ⁽⁶⁾	CRI/CCT	Input / Control	Finish	Factory Emergency Options	Factory Connected Options
HCM1 = 1-head adjustable multiple, in new construction housing HCM2 = 2-head adjustable multiple, in new construction housing HCM3 = 3-head adjustable multiple, in new construction housing HCM4 = 4-head adjustable multiple, in new construction housing HCM1CP = 1-head adjustable multiple, new construction housing CCEA Chicago Plenum HCM2CP = 2-head adjustable multiple, new construction housing, CCEA Chicago Plenum HCM3CP = 3-head adjustable multiple, new construction housing, CCEA Chicago Plenum HCM4CP = 4-head adjustable multiple, new construction housing, CCEA Chicago Plenum	927 = 90 CRI (minimum), 2700K CCT 930 = 90 CRI (minimum), 3000K CCT 935 = 90 CRI (minimum), 3500K CCT 940 = 90 CRI (minimum), 4000K CCT	ED010 = UNV 120V-277V, 50/60Hz; 1%-100% dimming with 0-10V dimming controls at 120V-277V; 1%-100% dimming with leading or trailing edge phase cut dimmers at 120V only D010347 = 347VAC 50/60Hz; 1%-100% dimming with 0-10V dimming controls at 347V (Canada only) (1) DLY = Distributed low voltage dimming (1%-100%) driver. For use with Cooper Lighting Solutions' DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details. (1)	MW = Matte White housing & multi-heads / Matte White flange trim MB = Matte Black housing & multi-heads / Matte Black flange trim MBWF = Matte Black housing & multi-heads / Matte White flange trim	REM7 = 7 watt emergency module with remote test / indicator light, use with ED010 only ⁽¹⁾⁽²⁾ REM14 = 14 watt emergency module with remote test / indicator light, use with ED010 ⁽¹⁾⁽²⁾ IEM7 = integral 7 watt emergency module with integral test / indicator light, use with ED010 only ⁽¹⁾⁽²⁾ IEM14 = integral 14 watt emergency module with integral test / indicator light, use with ED010 only ⁽¹⁾⁽²⁾ BOD7ST = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with ED010 only ⁽¹⁾⁽²⁾	WTA = Factory WaveLinx PRO Tilemount Sensor Kit (1)(2)(4) WTK = Factory WaveLinx LITE Tilemount Sensor Kit (1) (5) WPN = WaveLinx PRO Wireless Node without sensor (7) WLN = WaveLinx LITE Wireless Node without Sensor (8)
Notes (6) HCM25NFL 25* Narrow Flood optic preinstalled	Notes	Notes (1) Not available with CP models	Notes	Notes (1) Not available with CP models (2) Not available with D010347 (347V models)	Notes (1) Not available with CP models (2) Not available with D010347 (347V models) (4) WTA = WaveLinx RPG lite mount sensor kit for daylight dimming, PIR motion sensing, and optional RUTS - Real Time Location Services, use with D010 only. (Refer to WaveLinx PRO system specifications.) (5) WTK = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinx LITE system specifications.) (7) 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. Not compatible with 347V or Chicago plenum. (Refer to WaveLinx PRO system specifications.) (8) WLN = WaveLinx LITE 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. Not compatible with 347V or Chicago plenum. (Refer to WaveLinx LITE system specifications.)

	Accessories	
RMB22 = Adjustable wood joist mounting bars, pair, extend to 22" HB26 = C-Channel bar hanger, 26" long, pair HB50 = C-Channel bar hanger, 50" long, pair Uptics HCM15SP = 15° Spot beam optic HCM25NFL = 25° Narrow Flood beam optic - replacement part for NFL optic included HCM40FL = 40° Flood beam optic Flange Kits HCM1FLMW = 1-light multiple, flange kit, matte white - replacement part for flange included HCM2FLMW = 2-light multiple, flange kit, matte white - replacement part for flange included HCM3FLMW = 3-light multiple, flange kit, matte white - replacement part for flange included HCM1FLMB = 1-light multiple, flange kit, matte black - replacement part for flange included HCM1FLMB = 2-light multiple, flange kit, matte black - replacement part for flange included HCM3FLMB = 3-light multiple, flange kit, matte black - replacement part for flange included HCM4FLMB = 4-light multiple, flange kit, matte black - replacement part for flange included HCM4FLMB = Coverplate, matte white - replacement part for flange included HCMCVPLMB = Coverplate, matte white - replacement part for plate included HCMCVPLMB = Coverplate, matte black - replacement part for plate included Mud Ring Kits 1MRK = 1-light multiple, flangeless mud ring field installation kit (new construction only) 3MRK = 3-light multiple, flangeless mud ring field installation kit (new construction only) 4MRK = 4-light multiple, flangeless mud ring field installation kit (new construction only)	Optical Lenses (3) L110N = Diffuse Sand Blasted Lens L111 = Soft Focus Lens L113 = Prismatic Spread Lens L115 = Linear Spread Lens L100MB = Expanded metal louver 2" 50mm UV and Color Filters (3) L112 = Red Gel Filter L114 = Ultraviolet, Dichoric Filter L120 = Red, Dichoric Filter L121 = Amber, Dichoric Filter L122 = Yellow, Dichoric Filter L123 = Green, Dichoric Filter L124 = Daylight Blue, Dichoric Filter L125 = Blue, Dichoric Filter L127 = Cosmetic (2700K), Dichoric Filter L131 = Amber, Gel Filter	Connected Lighting WTA = Field WaveLinx PRO Tilemount Sensor Kit (1) (4) WTK = Field WaveLinx LITE Tilemount Sensor Kit (1) (5)
Notes	Notes (3) 2-inch nominal dia. [50mm]; maximum (2) lens/color media per multi-head	Notes (1) Not available for Chicago Plenum (4) WTA = WaveLinx PRO tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinx PRO system specifications.) (5) WTK = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinx LITE system specifications.)



Order Information

SAMPLE ORDER NUMBER: HCMR4935ED010MW

Additional options and accessories are purchased separately.

Remodel Housing	CRI/CCT	Input / Control	Finish	Accessories
Remodel Housing ⁽⁶⁾	CRI/CCT	Input / Control	Finish	Accessories
HCMR1 = 1-head adjustable multiple, remodeler - install from below finished ceiling wintegral speed clamp ceiling retention HCMR2 = 2-head multiple, remodeler - install from below finished ceiling w/ integral speed clamp ceiling retention HCMR3 = 3-head multiple, remodeler - install from below finished ceiling w/ integral speed clamp ceiling retention HCMR4 = 4-head multiple, remodeler - install from below finished ceiling w/ integral speed clamp ceiling retention	927 = 90 CRI (minimum), 2700K CCT 930 = 90 CRI (minimum), 3000K CCT 935 = 90 CRI (minimum), 3500K CCT 940 = 90 CRI (minimum), 4000K CCT	ED010 = UNV 120V-277V, 50/60Hz; 1%-100% dimming with 0-10V dimming controls at 120V-277V; 1%-100% dimming controls at 120V-27V; 1%-100% dimming with leading or trailing edge phase cut dimmers at 120V only D010347 = 347VAC 50/60Hz; 1%-100% dimming with 0-10V dimming controls at 347V (Canada only) (1)	MW = Matte White housing & multi-heads / Matte White flange trim MB = Matte Black housing & multi-heads / Matte Black flange trim MBWF = Matte Black housing & multi-heads / Matte White flange trim	Optics HCM15SP = 15° Spot beam optic HCM25NFL = 25° Narrow Flood beam optic replacement part for NFL optic included HCM40FL = 40° Flood beam optic Coverplates HCMCVPLMW = Coverplate, matte white replacement part for plate included HCMCVPLMB = Coverplate, matte black replacement part for plate included HCMCVPLMB = Coverplate, matte black replacement part for plate included Optical Lenses (2) L110N = Diffuse Sand Blasted Lens L111 = Soft Focus Lens L113 = Prismatic Spread Lens L113 = Prismatic Spread Lens L115 = Linear Spread Lens L115 = Linear Spread Lens L110MB = Expanded metal louver 2" 50mm UV and Color Filters L112 = Red Gel Filter L114 = Ultraviolet, Dichroic Filter L121 = Amber, Dichroic Filter L123 = Green, Dichroic Filter L124 = Daylight Blue, Dichroic Filter L125 = Blue, Dichroic Filter L127 = Cosmetic (2700K), Dichroic Filter L131 = Amber, Gel Filter
Notes (6) HCM25NFL 25° Narrow Flood optic preinstalled	Notes	Notes (1) Not available with CP models	Notes	Notes (2) 2-inch nominal dia. [50mm]; maximum (2) lens/color media per multi-head

L100 Series

2" 50mm UV and Color Filters

Make a powerful lighting statement by injecting soft or intense hues to accent any space.

L112=Red Gel Filter L114=Ultraviolet, Dichroic Filter

L120=Red, Dichroic Filter

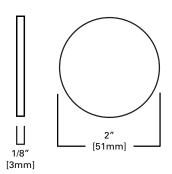
L121=Amber, Dichroic Filter L122=Yellow, Dichroic Filter

L123=Green, Dichroic Filter

L124=Daylight Blue, Dichroic Filter L125=Blue, Dichroic Filter

L127=Cosmetic (2700K), Dichroic Filter

L131=Amber, Gel Filter





L100 Series UV and **Color Filters**

L100 Series **Optical Lenses**

L110N-Diffuse Sandblasted Lens
Provides an even beam spread - especially useful in wall washing.

L111=Soft Focus Lens Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles.

L113=Prismatic Spread Lens

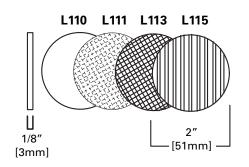
Provides a symmetrical broadening of beams. Suitable when a wide, uniform light distribution is required.

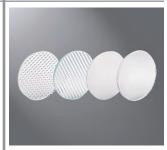
L115=Linear Spread Lens

Fans out the beam 55° (27-1/2° to each side) to produce a wide rectangular pattern.

L100MB=Expanded metal louvre

Miniature black finished hexagonal-cell louvre - controls light spill while retaining lamp optics.





L100 Series **Optical Lenses**

Product Specifications

Housings

- · New construction and remodel housings
- Housings are die-formed steel in matte white or matte black.
- Flange trim comes standard in matte white or matte black.
- Flange trim is removable in new construction housings for tile T-grid and above ceiling installations. Optional rimless mud-in kit may be ordered as an accessory for field installation in new construction ceilings to create a clean trimless look
- Remodeler flange trim is permanently attached to housing on remodel housings for secure fit to ceiling

Housing Mounting

- New construction housing universal mounting bracket accepts 1/2" EMT, C-channel and bar hangers (mounting channel/bars sold separately). Universal bracket adjusts vertically for ceiling thickness 1/2" to 2-1/2". Optional wood hanger bar kit available for field installation with wood framing
- Remodel housing speed clamps adjust to accommodate 3/8" to 2" thick ceilings.
 Combination hex, slot and Philips drive screws actuate clamps and speed installation. Clamps are accessible from below the ceiling. Remodel housing is designed for installation from below the finished ceiling only

Multi-heads

- Pull-down telescoping action allows adjustable 0-70° tilt and 355° rotation (70° tilt from nadir)
- Multi-heads designed for up to (2) industry standard 2-inch diameter [50mm] color or lens media
- Multi-heads finish matches the housing as matte white or matte black
- · Nominal >1200 lumens per multi-head
- Multi-heads in each housing (1-2-3-4 heads) switch or dim from one control input (no individual head control)
- Inset polymer cover plates shield multi-head pulldown mechanism, and allow tool-less access to inner housing

Multi-head Optics

- Three interchangeable beam forming reflectors: 25° Narrow Flood, 15° Spot and 40° Flood
- 25° Narrow Flood optic included in each multi-head (available separately as replacement part)
- 15° Spot and 40° Flood optics may be ordered separately for tool-less field installation
- · Reflector optics of vacuum metalized polymer
- All optics are available to order separately for field installation

Multi-head Media Holder

- Integral media holder provides tool-less access to reflector optics and lens media
- Media holder accepts up to (2) 2-inch [50mm] diameter 3.0mm thick color filters or lens
- · Order color filters and lens media separately

LED

- · Chip on board LED is integral to each multi-head
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- 90 CRI minimum, R9>50

- Color accuracy within 3 SDCM provides color uniformity
- · Correlated color temperature options
 - · 2700K
 - · 3000K
 - 3500K
 - 4000K
- Passive thermal management achieves L70 at 50,000 hours

LED Driver / Dimming

- Universal 120V-277VAC, 50/60Hz driver. Continuous 1%-100% dimming on 0-10V dimmer controls at 277V, and 1%-100%dimming on leading edge/trailing edge phase control dimmers at 120V. Consult dimming guide, and dimmer manufacturer for details
- 347VAC 50/60Hz input option with 1%-100%dimming on 0-10V dimmer controls (Canada only)
- Driver output controls all multi-heads in each housing (not individual heads)
- Optional "DLV" low voltage DC driver for Cooper Lighting Solutions DLVP distributed low voltage system combines power and control

Emergency Options

- Remote and integral emergency options include charge indicator and test switch
- Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting
- Remote emergency option with Self-Test (selfdiagnostic), includes remote charge indicator and test switch

Connected Lighting System Options

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

WaveLinx PRO Tilemount Sensor Kit

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

WaveLinx PRO Wireless Node

 WaveLinx PRO WPN 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. Note: Not compatible with 347V or Chicago plenum.

WaveLinx LITE Tilemount Sensor Kit

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

WaveLinx LITE Wireless Node

 WaveLinx LITE WLN 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. Note: Not compatible with 347V or Chicago plenum.

WaveLinx Tilemount Sensor Kits Application

- The WTA and WTK tilemount sensor 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 boxes.
- The WTA and WTK tilemount sensor kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- Note: WaveLinx PRO devices are only compatible with the WaveLinx PRO system.
- Note: WaveLinx LITE devices are only compatible with the WaveLinx LITE system.

Electrical Junction box

- Integral electrical compartment in housing enclosure
- 7.25 in³ low voltage divider for 0-10V low voltage dimming wire connections
- 23.85 (1 head), 73.85 (2 head), 124.13 (3 head), 154 (4 head) in³ internal volume excluding 0-10V low voltage barrier
- 51.63 (1 head), 101.63 (2 head), 151.92 (3 head), 202.31 (4 head) in³ total internal volume
- Listed for (4) #12 AWG 90° C splice conductors
- (2) 3/8" and (4) 1/2" trade size pry-outs (1 head)
 (2) 3/8" and (5) 1/2" trade size pry-outs (2 head)
 (2) 3/8" and (7) 1/2" trade size pry-outs (3 head)
 (2) 3/8" and (7) 1/2" trade size pry-outs (4 head)
- (3) 4-port push wire nuts for mains voltage, use 1-port for fixture connection

Compliance

- · cULus Certified damp location in covered ceilings
- Type IC, suitable for direct contact to air permeable insulation
- Not for use in direct contact with spray foam insulation consult NEMA LSD57-2013
- · Airtight per ASTM-E283-04
- EMI/RFI emissions per FCC 47CFR Part 15 Class B at 120VAC and Class A at 277VAC.
 CAN ICES-005(B)/NMB-005(B) at 120VAC.
 CAN ICES-005(A)/NMB-005(A) at 277VAC.
- · Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES I M-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- May be used for State of California Title 24 high efficacy LED compliance, per JA8 High Efficacy Lighting certification standards, reference CEC appliance efficiency database
- ENERGY STAR® certified, reference certified light fixtures database
- May be used to comply with State of California Title 24 non-residential code, as a dimmable LED luminaire

Warranty

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



Energy Data

HCM1 Series 1-Multi-head	>1200 lum	en / head*	
Input Voltage (VAC)	120V	277V	
Input Current (A)	0.127	0.058	
Input Power (W)	15.2	14.9	
In-rush Current (A)	6	13.2	
In-rush Duration (µs)	178	93	
THDi (%)	12.3	11.3	
PF (Nominal input 120-277VAC at 100% of rated output)	≥ 0.98	≥ 0.93	
Minimum starting temperature -40°C (-40°F)**			
Sound Rating: Class A standards			

HCM3 Series 3-Multi-head	>1200 lum	en / head
Input Voltage (VAC)	120V	277V
Input Current (A)	0.357	0.157
Input Power (W)	42.3	41.02
In-rush Current (A)	6.9	15
In-rush Duration (ms)	171	111
THDi (%)	10.7	9.2
PF (Nominal input 120-277VAC at 100% of rated output)	≥ 0.98	≥ 0.94
Minimum starting temperature -40°C (-40°F)**		
Sound Rating: Class A standard	ds	

HCM2 Series 2-Multi-head	>1200 lum	en / head*
Input Voltage (VAC)	120V	277V
Input Current (A)	0.238	0.104
Input Power (W)	28.3	27.7
In-rush Current (A)	6.3	14.2
In-rush Duration (ms)	168	101
THDi (%)	9.9	10.2
PF (Nominal input 120-277VAC at 100% of rated output)	≥ 0.98	≥ 0.95
Minimum starting temperature -40°C (-40°F)**		
Sound Rating: Class A standards		

HCM4 Series 4-Multi-head	>1200 lum	en / head*
Input Voltage (VAC)	120V	277V
Input Current (A)	0.47	0.207
Input Power (W)	56.1	54.8
In-rush Current (A)	12.1	25.1
In-rush Duration (ms)	212	69
THDi (%)	10.5	8.9
PF (Nominal input 120-277VAC at 100% of rated output)	≥ 0.988	≥ 0.95
Minimum starting temperature	-40°C (-40°I	=)**
Sound Rating: Class A standar	ds	

- **Notes:*** Nominal lumen value per head, field results may vary.
- ** Emergency Battery packs are rated for a minimum starting temperature of 0°C.



HCM 1-2-3-4 Series Multiples

ANCE DATA (CD/N

32724 327

20128

24400 244

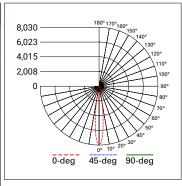
6227

201

173 17395

Photometric Data

HCM-1-Head @3000K, 90 CRI, Spot (15°)			
Filename	HCM1R15930ED010MW.ies		
Test No.	P434571		
Lumcat	HCM1R15930ED010MW		
Lumens	1223 Lm		
Watts	14.3 W		
LPW	85.5 Lm/W		
CCT	3000K		
SC (0/90/45)	0.25 / 0.25 / 0.25		
Beam Angle	15°		
UGR	10		

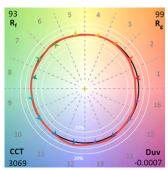


ZONAL LUMENS SUMMARY			LUMII	NANCE
Zone	Lumens	% Fixture	Angle	0°
0-30	938	76.7	45	32724
0-40	1129	92.3	55	20128
0-60	1192	97.4	65	17395
0-90	1223	100		
90-180	0	0	75	24400
0-180	1223	100	85	6227

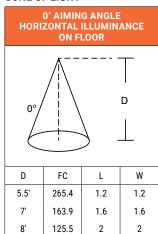
CD/M ²)	CANDELA TABLI	
90°	Degrees Vertical	Candela
	0	8030
32724	5	5918
00100	15	890
20128	25	487
17395	35	332
	45	47
24400	55	23
6227	65	15
UZZI	75	13
	85	1
	90	0

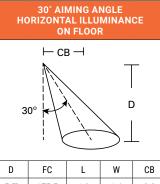
COLOR METRIC SUMMARY





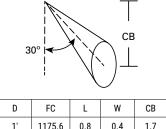
CONE OF LIGHT





D	FC	L	W	СВ
5.5'	175.5	1.8	1.6	3.2
7'	108.3	2.3	2	4
8'	82.9	2.6	2.2	4.6
9'	65.5	2.9	2.6	5.2
10'	53.1	3.2	2.8	5.8
12'	36.9	3.9	3.4	6.9





U	FC	L	VV	CB
1'	1175.6	0.8	0.4	1.7
2'	293.9	1.6	0.8	3.5
3'	130.6	2.4	1.4	5.2
4'	73.5	3.3	1.8	6.9
5'	47	4.1	2.2	8.7
6'	32.7	4.9	2.8	10.4

CCT Multipliers - 90CRI

2700K	3000K	3500K	4000K
0.94	1.00	1.05	1.08

9'

10'

12'

99.1

80.3

55.8

2.2

2.4

3

2.2

2.4

3

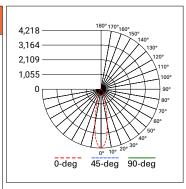
Multipliers for nominal values with other series models

- **D** = Distance in feet to floor or wall.
- FC = Footcandles on floor or wall at center beam aiming location.
- L = Effective Visual Beam length in feet (50% of maximum footcandle level.) **W** = Effective Visual Beam width in feet (50% of maximum footcandle level.)
- CB = Distance in feet across or down to center beam location.

HCM 1-2-3-4 Series Multiples

Photometric Data

HCM-1-Head @3000K, 90 CRI, Narrow Flood(25˚)			
Filename	HCM1R25930ED010MW.ies		
Test No.	P434583		
Lumcat	HCM1R25930ED010MW		
Lumens	1213 Lm		
Watts	14.3 W		
LPW	84.9 Lm/W		
CCT	3000K		
SC (0/90/45)	0.39 / 0.39 / 0.39		
Beam Angle	25°		
UGR	10		



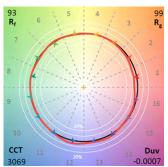
ZONAL LUMENS SUMMARY				
Zone	Lumens	% Fixture		
0-30	924	76.1		
0-40	1117	92.1		
0-60	1180	97.2		
0-90	1213	100		
90-180	0	0		
0-180	1213	100		

1	LUMINANCE DATA (CD/M²)					
è	Angle	0°	45°	90°		
	45	30491	30491	30491		
	55	22881	22881	22881		
	65	18679	18679	18679		
	75	24400	24400	24400		
	85	6227	6227	6227		
_						

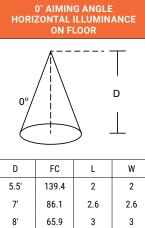
CANDEL	A TABLE
Degrees Vertical	Candela
0	4218
5	3761
15	1283
25	504
35	337
45	44
55	27
65	16
75	13
85	1
90	0

COLOR METRIC SUMMARY





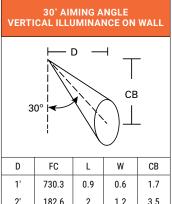
CONE OF LIGHT



D	FC	L	W
5.5'	139.4	2	2
7'	86.1	2.6	2.6
8'	65.9	3	3
9'	52.1	3.4	3.4
10'	42.2	3.8	3.8
12'	29.3	4.6	4.6

30° AIMING ANGLE HORIZONTAL ILLUMINANCE **ON FLOOR** \vdash CB \dashv D

D	FC	L	W	СВ
5.5'	93.8	2.6	2.4	3.2
7'	57.9	3.4	3	4
8'	44.3	3.9	3.4	4.6
9'	35	4.4	4	5.2
10'	28.4	4.9	4.4	5.8
12'	19.7	5.9	5.2	6.9



D	FC	L	W	СВ
1'	730.3	0.9	0.6	1.7
2'	182.6	2	1.2	3.5
3'	81.1	3.1	1.8	5.2
4'	45.6	4.1	2.6	6.9
5'	29.2	5.2	3.2	8.7
6'	20.3	6.2	3.8	10.4

CCT Multipliers - 90CRI

2700K	3000K	3500K	4000K
0.94	1.00	1.05	1.08

Multipliers for nominal values with other series models

- **D** = Distance in feet to floor or wall.
- FC = Footcandles on floor or wall at center beam aiming location.
- L = Effective Visual Beam length in feet (50% of maximum footcandle level.) W = Effective Visual Beam width in feet (50% of maximum footcandle level.)
- CB = Distance in feet across or down to center beam location.

HCM 1-2-3-4 Series Multiples

LUMINANCE DATA (CD/M²

30491

23827

24866

32407

6227

30491

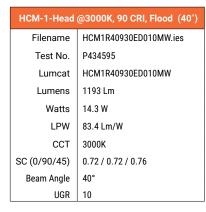
23827

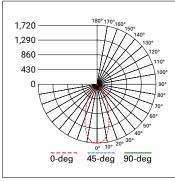
24866

32407

6227

Photometric Data



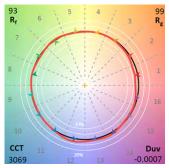


ZONAL LUMENS SUMMARY			LUMI
Zone	Lumens	% Fixture	Angle
0-30	868	72.8	45
0-40	1086	91	55
0-60	1150	96.4	65
0-90	1193	100	
90-180	0	0	75
0-180	1193	100	85

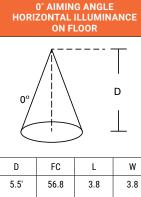
CD/M ²)	CANDEL	.A TABLE
90°	Degrees Vertical	Candela
	0	1720
30491	5	1685
23827	15	1318
23827	25	756
24866	35	364
	45	44
32407	55	28
6227	65	21
UZZ,	75	17
	85	1
	90	0

COLOR METRIC SUMMARY





CONE OF LIGHT

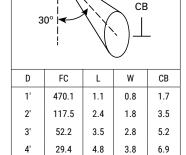


D	FC	L	W
5.5'	56.8	3.8	3.8
7'	35.1	5	5
8'	26.9	5.6	5.6
9'	21.2	6.4	6.4
10'	17.2	7	7
12'	11.9	8.6	8.6

30° AIMING ANGLE HORIZONTAL ILLUMINANCE **ON FLOOR** \vdash CB \dashv D 309

D	FC	L	W	СВ		
5.5'	42.8	4.4	4.2	3.2		
7'	26.4	5.7	5.2	4		
8'	20.2	6.5	6	4.6		
9'	16	7.4	6.8	5.2		
10'	13	8.3	7.6	5.8		
12'	9	9.9	9	6.9		





6

7.2

4.8

5.8

8.7

10.4

CCT Multipliers - 90CRI

2700K	3000K	3500K	4000K
0.94	1.00	1.05	1.08

Multipliers for nominal values with other series models

- D = Distance in feet to floor or wall.
- FC = Footcandles on floor or wall at center beam aiming location.
- L = Effective Visual Beam length in feet (50% of maximum footcandle level.) W = Effective Visual Beam width in feet (50% of maximum footcandle level.)

5'

6'

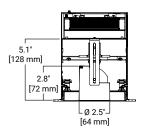
18.8

13.1

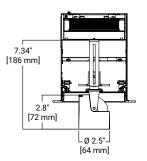
CB = Distance in feet across or down to center beam location.

Dimensional Details

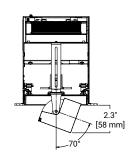
HEAD IN REGRESSED POSITION

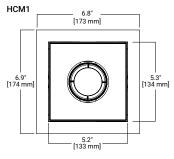


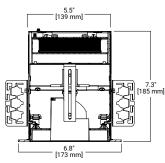
HEAD IN PULL-DOWN

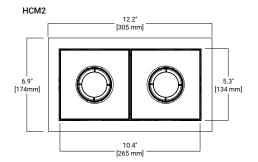


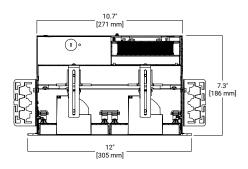
HEAD IN PULL-DOWN WITH MAX. TILT

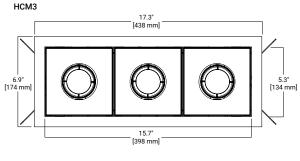


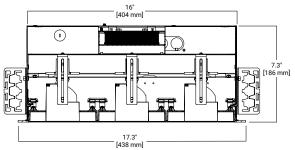


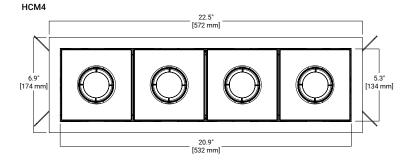


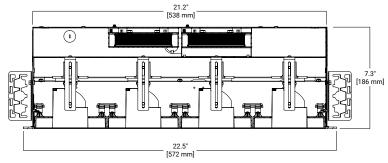




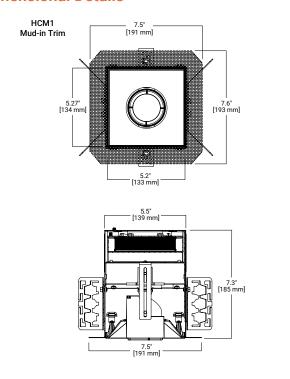


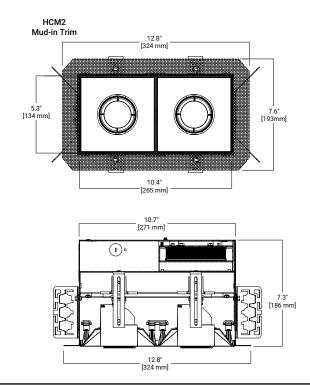


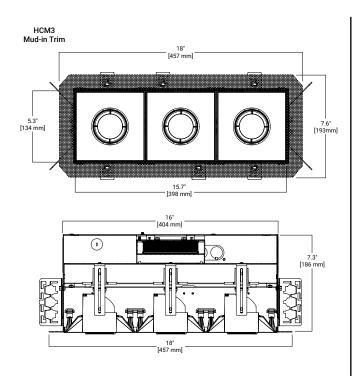


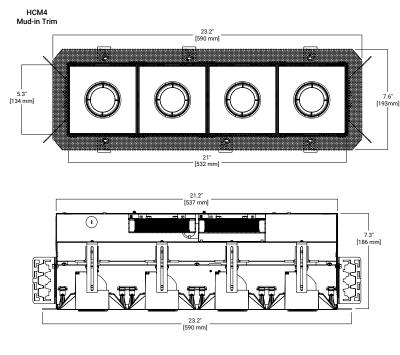


Dimensional Details









Connected Solutions

WaveLinx Lite O COOPER

WaveLinx LITE - WTK Tilemount Sensor

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- 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









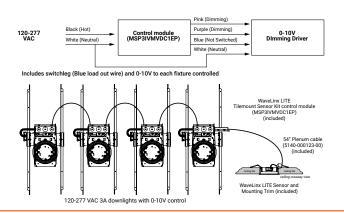








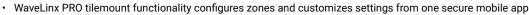
WaveLinx LITE WTK Tilemount Wiring Diagram





WaveLinx PRO - WTA Tilemount Sensor

WaveLinx PRO devices only compatible with the WaveLinx PRO system.





- 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





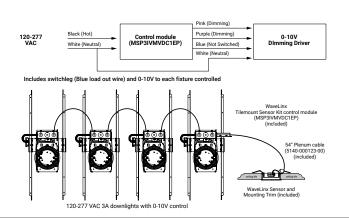




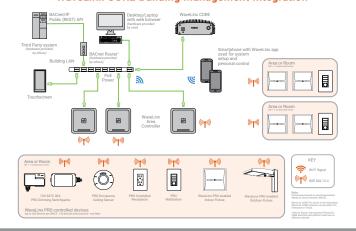




WaveLinx WTA Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions



WaveLinx LITE Wireless Node - WLN

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- 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
- · Refer to the WaveLinx system specifications for details

WaveLinx mobile app settings









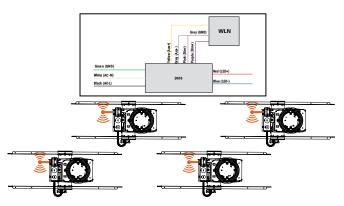








WaveLinx LITE Wireless Node (WLN) Wiring Diagram





WaveLinx PRO Wireless Node - WPN

WaveLinx PRO devices only compatible with the WaveLinx PRO system.

- · 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











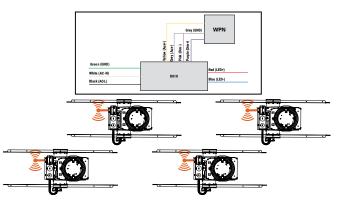




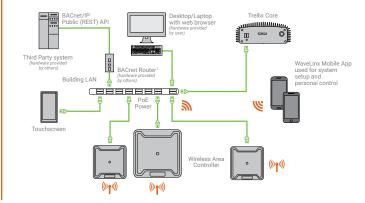




WaveLinx PRO Wireless Node (WPN) Wiring Diagram



WaveLinx CORE Building Management Integration





www.cooperlighting.com