



HALO Commercial

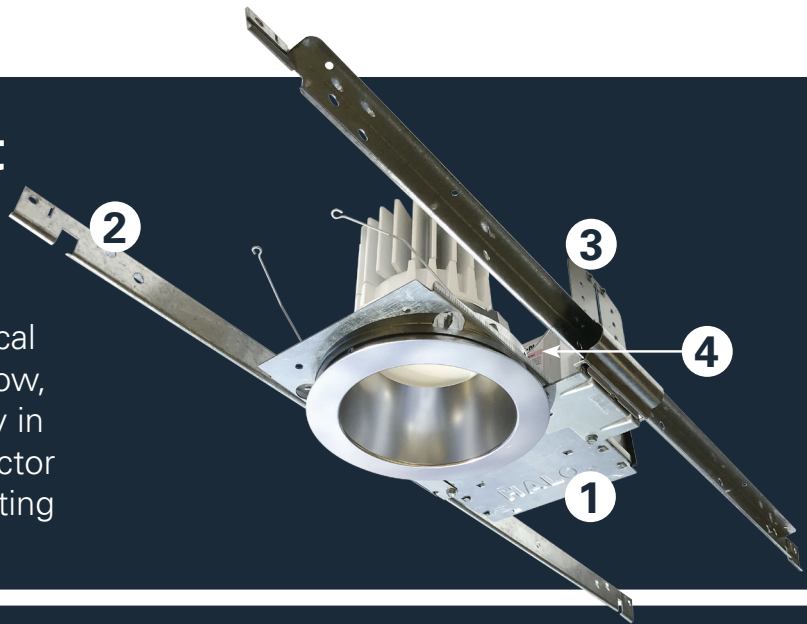
HC4

4-inch LED Downlight & Wall Wash

HC4

4-inch LED Downlight and Wall Wash

Versatile 4-inch commercial downlight optimized for lumen efficiency and optical performance. Reflectors offered in narrow, medium, wide distribution for efficiency in lumen delivery. Value priced and contractor installation friendly with connected lighting options available.



Standard Features

1. Housing Frame

- a. 4" Boat-shaped galvanized steel frames with die-formed aperture
- b. New construction or remodeling installation with boat shaped frame
- c. Plaster lip collar pre-set to 1/2" and adjusts for ceilings up to 1-1/2" thick

2. No Fuss Bar Hangers

- a. Pre-installed and centered mounting bars
- b. Bars lock to tee grid with screwdriver or pliers
- c. Centering marks on the bar bracket

3. Adjustable Mounting Brackets

- a. Bar brackets adjust 2" vertically from above the ceiling or through the aperture
- b. Brackets for use with the included "No Fuss" mounting bars or with 1/2" EMT
- c. Brackets are removable for remodel installation from below the ceiling

4. Junction Box

- a. Listed for (8) #12 AWG 90° C conductors (4-in/4-out)
- b. Listed for feed through branch wiring
- c. (3) 1/2" and (2) 3/4" trade size pry-outs
- d. Low voltage barrier section for 0-10V dimming wires
- e. (3) 4-port push wire nuts (1-port is fixture connection)

LED Modules

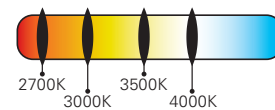


HM4 Low Lumen LED Module
Lumens
1000 | 1500 | 2000

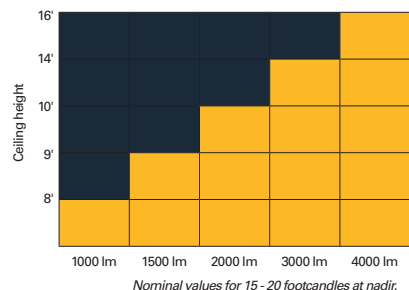
HM4 High Lumen LED Module
Lumens
3000 | 4000

The HC4 LED modules are available in a range of correlated color temperatures (CCT). The user can choose from a range of four 80 or 90 CRI color temperatures 2700K, 3000K, 3500K and 4000K.

Color temperature



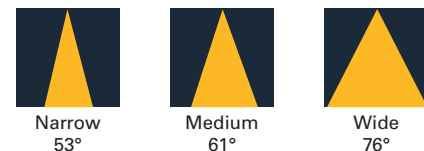
Lumen options



Reflectors



Beam distribution options*



Beam Distribution*			
Code	Distribution	Spacing Criteria	Beam Angle
ND	Narrow	0.84	53°
MD	Medium	1.0	61°
WD	Wide	1.2	76°

* Nominal values may vary depending on selected CRI/CCT and reflector finish.

4" HC4 LED Downlight & Wall Wash

4-inch aperture LED downlight offered in narrow, medium, wide, and wall wash distributions ideal for general area lighting. Lumen options range from 1000 to 4000 lumens in color temperatures of 2700K, 3000K, 3500K, and 4000K; in 80 or 90CRI. Luminaire is airtight and can be installed in new construction or below the finished ceiling in remodeling applications. Intended for office spaces, healthcare, hospitality, and institutional uses.

Sample Number: HC410D010REM7 - HM412830 - 41NDC

A complete luminaire consists of a mounting frame, LED module, and reflector (order separately)

120-277VAC, 0-10V analog dimming			
Mounting Frame	Lumens	Driver	Options ¹
HC4 = 4" new construction and remodeler frame HC4CP = 4" new construction and remodeler housing, CCEA Chicago Plenum rated	Fixed, Factory Set 10 = 1000 lumens (nominal), use with HM412 module 15 = 1500 lumens (nominal), use with HM412 module 20 = 2000 lumens (nominal), use with HM412 module 30 = 3000 lumens (nominal), use with HM434 module 40 = 4000 lumens (nominal), use with HM434 module	D010 =120-277VAC 50/60Hz 0-10V analog 1% - 100% dimming D010347 = 347VAC 50/60Hz 0-10V analog 1%-100% dimming (Canada only) ¹	REM7 = 7 watt emergency module with remote test / indicator light, use with D010 only REM14 = 14 watt emergency module with remote test / indicator light, use with D010 only IEM7 = integral 7 watt emergency module with integral test / indicator light, use with D010 only IEM14 = integral 14 watt emergency module with integral test / indicator light, use with D010 only BOD7ST = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only WTA =Factory installed WaveLinX sensor Kit ⁵ WTK = Factory installed WaveLinX Lite Sensor Kit ⁶
		DLV =distributed low voltage dimming (1%-100%) driver ¹ For use with DLVP system only. Refer to DLVP system specifications for details.	REM7V = 7 watt emergency module with remote test / indicator light, use with DLV only ² REM14V = 14 watt emergency module with remote test / indicator light, use with DLV only ² IEM7V = integral 7 watt emergency module with integral test / indicator light, use with DLV only ² IEM14V = integral 14 watt emergency module with integral test / indicator light, use with DLV only ²

LED Module	Lumens	CRI/CCT	Accessories
HM4 = 4" LED module Use with 41 & 42 series reflectors. Compatible with HC4 & HC4R frames.	12 =1000, 1500, 2000 lumens (nominal). For use with HC410*, HC415*, HC420* frames. 34 =3000, 4000 lumens (nominal). For use with HC430* and HC440* frames.	827 =80CRI / 2700K 830 =80CRI / 3000K 835 =80CRI / 3500K 840 =80CRI / 4000K 927 =90CRI / 2700K 930 =90CRI / 3000K 935 =90CRI / 3500K 940 =90CRI / 4000K	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 installed WaveLinX sensor Kit (1) (5) WTK = Field installed WaveLinX Lite Sensor Kit (6)
Notes: 1. Not available with CP version 2. ULus for U.S. only 5. WTA = WaveLinX tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - RealTime Location Services, use with D010 only (Refer to WaveLinX system specifications) 6. WTK = WaveLinX Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX Lite system specifications)			



Precision formed 4-inch reflectors designed to deliver narrow, medium and wide beam distributions. A non-conductive polymer reflector may be used to meet 'dead-front' requirements.

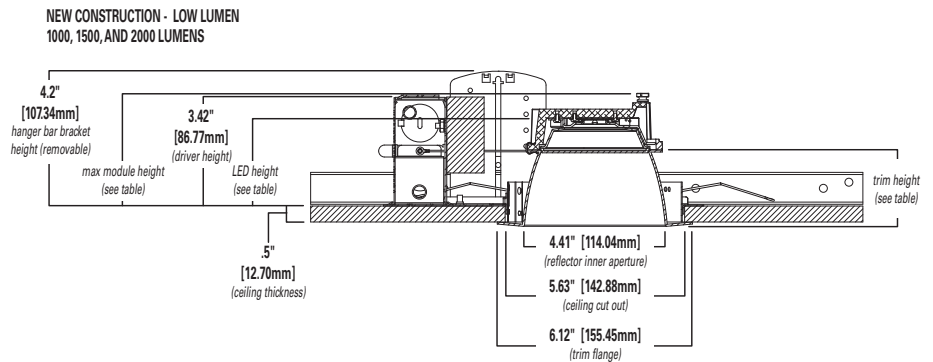
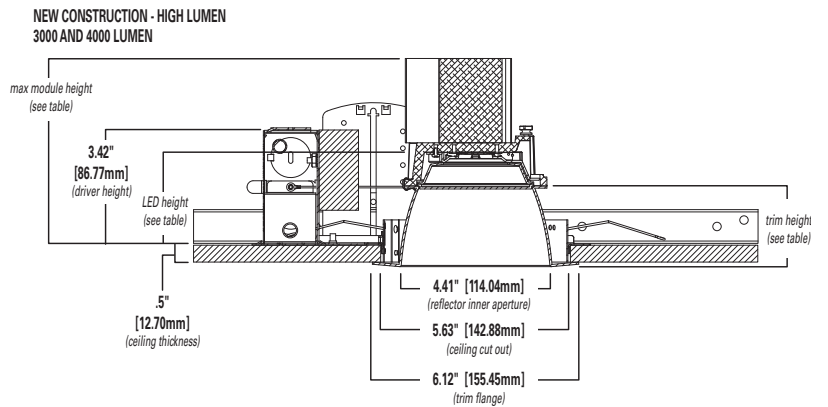
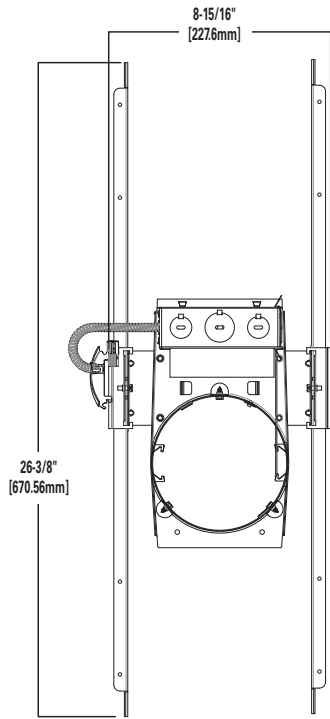
Reflector	Beam Distribution ³	Finish	Flange	Accessories
41 = 4" conical reflector	ND = narrow (53°, 0.84 SC) MD = medium (61°, 1.00 SC) WD = wide (76°, 1.24 SC) RWW = rotatable wall wash with linear spread lens	C = Specular clear H = Semi-specular clear (haze) W = Matte white (white flange)	Blank = Polished flange on C, H reflectors Blank = White flange on W reflectors WF = White flange option for C & H reflectors	41RWWPK = 4" rotatable wall wash insert, replacement part kit
Baffle	Beam Distribution ³	Finish	Flange	Accessories
41 = 4" baffle reflector	WD = wide (75°, 1.24 SC) RWW = rotatable wall wash with linear spread lens	BB =black baffle (white flange) WB =white baffle (white flange)	Blank = White flange on BB & WB BF = Black flange option available with BB	41RWWPK = 4" rotatable wall wash insert, replacement part kit
IEM Reflector	Beam Distribution ³	Finish	Flange	Integral Emergency
41 = 4" conical reflector for integral emergency only	ND = narrow (53°, 0.84 SC) MD = medium (61°, 1.00 SC) WD = wide (76°, 1.24 SC)	C = Specular clear H = Semi-specular clear (haze) W = Matte white (white flange)	Blank = Polished flange on C, H reflectors Blank = White flange on W reflectors WF = White flange option for C & H reflectors	IEM = Reflector for integral emergency only
IEM Baffle	Beam Distribution ³	Finish	Flange	Integral Emergency
41 = 4" conical reflector for integral emergency only	WD = wide (76°, 1.24 SC)	BB =black baffle (white flange) WB =white baffle (white flange)	Blank = White flange on BB & WB BF = Black flange option available with BB	IEM = Reflector for integral emergency only
Reflector	Beam Distribution ³	Finish	Flange	
41PS = 4" non-conductive polymer 'dead-front' conical reflector ⁴	MD = medium (61°, 1.00 SC)	W = Matte white (white flange)	Blank = White flange on W reflector	

1. Not available with CP version **2.** ULus for U.S. only **3.** Values are nominal for white reflector, others may vary. **4.** 41PS reflector only available in NON-IC environments and up to 3000 lumens.

Energy Data - HC4 Series

Nominal Lumens Model Number	1000 lumen HC410		1500 lumen HC415		2000 lumen HC420		3000 lumen HC430		4000 lumen HC440	
LED Module	Low Lumen Module		Low Lumen Module		Low Lumen Module		High Lumen Module		High Lumen Module	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Current (A)	0.085	0.042	0.119	0.055	0.176	0.082	0.228	0.102	0.345	0.15
Power (W)	10.1	10.9	14.2	14.9	21.1	21.4	27.2	27	41.3	40.7
In-rush (A)	0.644	1.95	0.212	0.85	0.588	0.624	0.898	1.7	1.05	2.23
In-rush Duration (ms)	0.125	0.24	0.28	0.32	0.3	0.38	0.36	0.38	0.32	0.34
THD (%)	8.6	15.6	7.8	16.3	8.8	11.2	9.7	9.3	10.06	14.01
PF ≥	≥ 0.90									
Minimum starting temperature	-40 C (-40 F)									

Dimensions - HC4 Series



High Lumen (3000 & 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	5.6"	2.5"	2.9"
Medium	5.7"	2.6"	3.0"
Wide	5.5"	2.4"	2.8"
Baffle	5.5"	2.4"	2.8"

Low Lumen (1000, 1500 & 2000 Lumens)*

Max. Module Height	Trim Height	LED Height
3.6"	2.5"	2.7"
3.7"	2.6"	2.8"
3.5"	2.4"	2.6"
3.1"	2.4"	2.6"

*Max. height w/hanger bar bracket 4.2"

4" HC4R LED Retrofit Downlight

4-inch aperture LED retrofit downlight is designed for installation into other 4.75" (4-3/4") to 4.875" (4-7/8") nominal aperture commercial housings. The retrofit reflector offered in medium distribution is ideal for general area lighting. Lumen packages range 1000 to 4000 lumens (nominal) in color temperatures of 2700K, 3000K, 3500K, and 4000K; in 80 or 90CRI. Installs from below the ceiling into existing open frame recessed housings. Applications include office spaces, healthcare, hospitality, and other institutional uses.

Sample Number: HC410D010REM7 - HM412830 - 41NDC

A complete luminaire consists of a mounting frame, LED module, and reflector (order separately)

120-277VAC, 0-10V analog dimming			
Mounting Frame	Lumens	Driver	Options
HC4R = 4" retrofit kit for 4.75" (4-3/4") to 4.875" (4-7/8") nominal aperture existing open frame commercial housings	Fixed, Factory Set 10 = 1000 lumens (nominal), use with HM412 module 15 = 1500 lumens (nominal), use with HM412 module 20 = 2000 lumens (nominal), use with HM412 module 30 = 3000 lumens (nominal), use with HM434 module 40 = 4000 lumens (nominal), use with HM434 module	D010 =120-277VAC 50/60Hz 0-10V analog 1% - 100% dimming D010347 = 347VAC 50/60Hz 0-10V analog 1%-100% dimming (Canada only)	REM7 = integral 7 watt emergency module with remote test / indicator light, for use with D010 only REM14 = integral 14 watt emergency module with remote test / indicator light, for use with D010 only BOD7ST = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only WTA =Factory installed WaveLinX sensor Kit ² WTK = Factory installed WaveLinX Lite Sensor Kit ³

LED Module	Lumens	CRI/CCT	Accessories
HM4 = 4" LED module Compatible with HC4 & HC4R frames.	12 =1000, 1500, 2000 lumens (nominal). For use with HC4R10*, HC4R15*, HC4R20* frames. 34 =3000, 4000 lumens (nominal). For use with HC4R30* and HC4R40* frames.	827 =80CRI / 2700K 830 =80CRI / 3000K 835 =80CRI / 3500K 840 =80CRI / 4000K 927 =90CRI / 2700K 930 =90CRI / 3000K 935 =90CRI / 3500K 940 =90CRI / 4000K	H347 = 347 to 120V step down transformer, 75VA H347200 = 347 to 120V step down transformer, 200VA WTA =Field installed WaveLinX sensor Kit ² WTK = Field installed WaveLinX Lite Sensor Kit ³
Reflector	Beam Distribution ¹	Finish	Flange
42R = 4" retrofit conical reflector, for use with HC4R frame/ collar only	MD = medium (66°, 1.15 SC)	C = Specular clear H = Semi-specular clear (haze) W = Matte white (white flange)	Blank = Polished flange on C, H reflectors Blank = White flange on W reflectors WF = White flange option for C & H reflectors

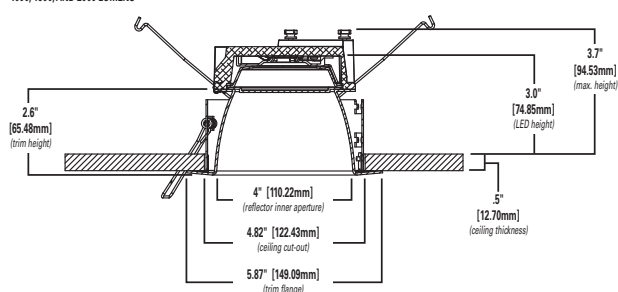
1. Values are nominal for white reflector, others may vary.

2. WTA = WaveLinX tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinX system specifications)

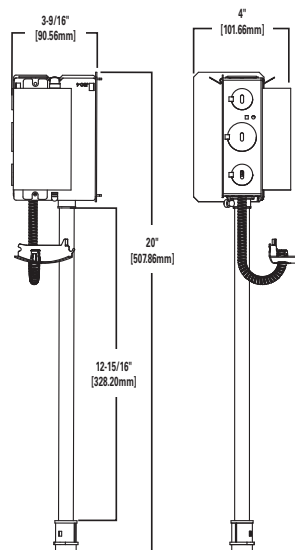
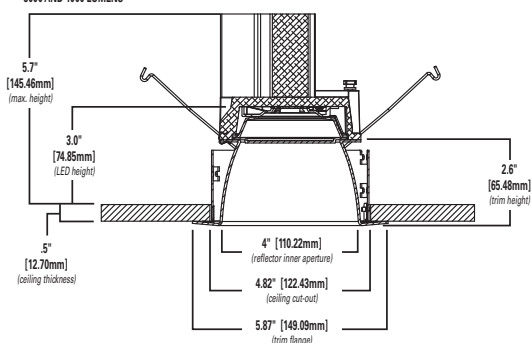
3. WTK = WaveLinX Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX Lite system specifications)

Dimensions - HC4R Series

RETROFIT - LOW LUMEN
1000, 1500, AND 2000 LUMENS



RETROFIT - HIGH LUMEN
3000 AND 4000 LUMENS



Connected Systems

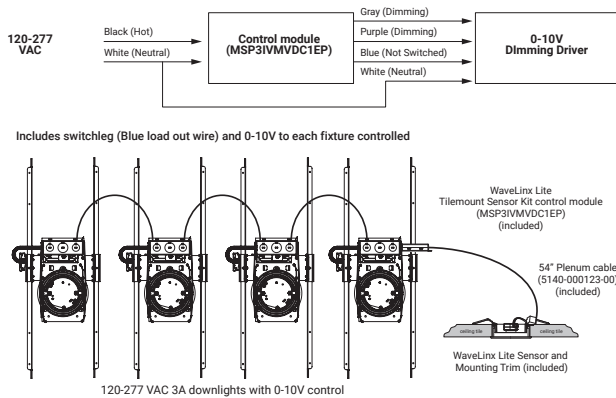


WaveLinX Lite - WTK Tilemount Sensor

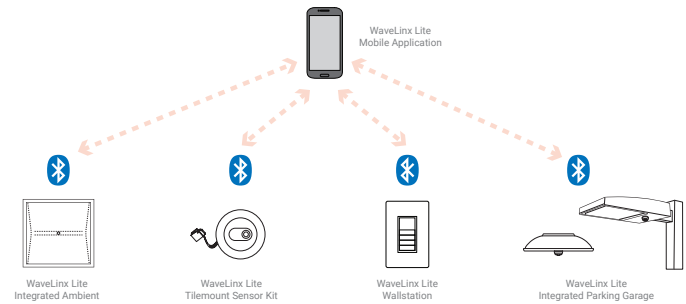
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic 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



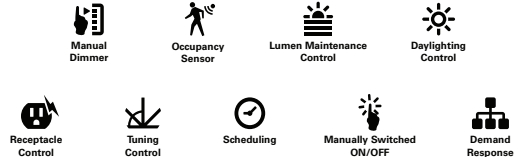
WaveLinX Wireless – WTA Tilemount Sensor



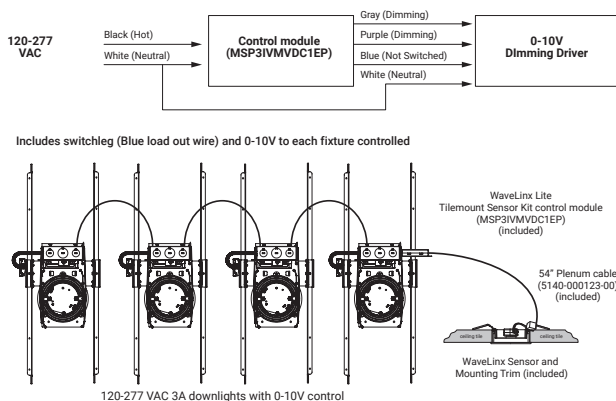
- WaveLinX Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



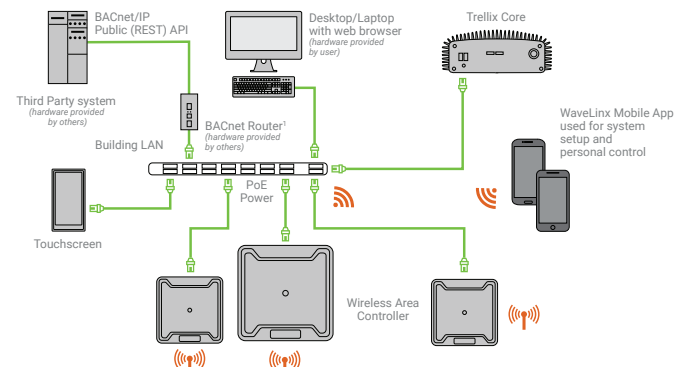
WaveLinX mobile app settings



WaveLinX Lite WTA Tilemount Wiring Diagram



WaveLinX Wireless Trellix Building Management Integration



HALO Commercial



Efficiency + Value

Halo Commercial achieves the perfect balance of optical control and efficiency to deliver lower watts per square foot in meeting commercial lighting energy codes and provide uniform beam distributions.

Design/build, tenant improvement, hospitality and institutional projects will appreciate the Halo Commercial balance of performance and budget-minded design.

Contractor and Distributor Friendly

- Housings ship complete with No-Fuss bar hangers (no additional bars or C-channel to assemble)
- No-Fuss bars lock to T-grid by quick bend of a screwdriver or pliers (no screws to secure to grid)
- Boat-shaped plaster frame offers versatility in new construction and "old-work" remodeling
- Oversized junction box with 1/2" and 3/4" trade size pry-outs ships with quick wiring connectors
- Junction box low voltage section provides code-required barrier for 0-10V dimmer wiring
- Plaster lip collar is preset for 1/2" ceiling material, and adjusts up to 1-1/2"

Performance and Efficiency

- Reflector designs optimized for greater optical efficiency (lumen delivery) and beam distribution
- Greater efficiency allows maximized fixture spacing with good uniformity
- Maximized spacing achieves desired watts per square foot (fewer fixtures = less power)
- Control from industry standard 120V-277V, 0-10V 1% dimmable LED driver
- Optional connected lighting control with Distributed Low Voltage Power system (DLVP) and WaveLinx

Product Mix

- Mainstream offering meets market demand in 4-inch, 6-inch, and 8-inch downlights
- PR series offers contractors versatility of lumen and LED color select-ability on-site
- HC series offers discrete selection of lumen and LED color for design/build and tenant improvement projects

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

Controls Product Lines

Greengate

Connected Lighting Systems

Fifth Light (Canada Only)
HALO Home
WaveLinx

IoT Platform

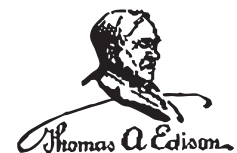
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