HALO Commercial

PR6
6-inch Selectable LED Downlight

![Cooper Lighting Solutions logo] COOPER
Lighting Solutions

PR6

6-inch Selectable LED
Downlight / Retrofit / Surface

The PR6 series offers ultimate flexibility...
an all-inclusive utility downlight.

Selectable CCT - select between 3000K / 3500K / 4000K

Selectable lumen - select low or high lumen range

Low lumen: 1000 / 1500 / 2000 lumen

High lumen: 2000 / 3000 / 4000 lumen

Interchangeable lens optics - choose Medium or Wide beam optics (included)

New construction / Remodeler - frame coverts from new to remodeler with bar brackets removed

Retrofit - update old work with a LED retrofit (apertures from 5-3/4" to 7-1/2")

Surface - cylinder drums in low lumen and high lumen profiles

Selectable technology puts flexibility at your fingertips.

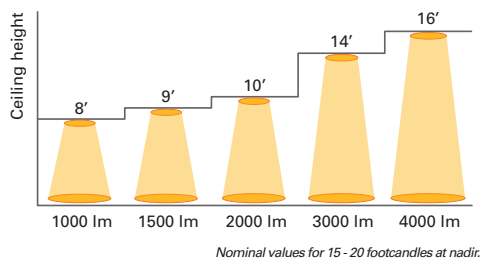### Dip switch selection settings for color temperature & lumens

Field SeleCCTable color temperature

3 seleCCTable colors

SeleCCTable technology puts flexibility at your fingertips. By using switches located on the LED module, the user can choose from a range of three color temperatures 3000K, 3500K and 4000K.

Field selectable lumens

selectable lumens

Ceiling height

| 8' | 9' | 10' | 14' | 16' |

| 1000 lm | 1500 lm | 2000 lm | 3000 lm | 4000 lm |

Nominal values for 15 - 20 footcandles at nadir.

PR6 Low Lumen Module	
SeleCCTable Color	Selectable Lumen
4000K	2000 lm
3500K (2 options)	1500 lm (2 options)
3000K	1000 lm

PR6 High Lumen Module	
SeleCCTable Color	Selectable Lumen
4000K	4000 lm
3500K (2 options)	3000 lm (2 options)
3000K	2000 lm

Energy Data

Nominal Lumens Model Number	1000 lumen PR6FS12		1500 lumen PR6FS12		2000 lumen PR6FS12		3000 lumen PR6FS24		4000 lumen PR6FS24		4000 lumen PR6FS24	
LED Module	Low Lumen Module						High Lumen Module					
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Current (A)	0.089	0.043	0.112	0.052	0.178	0.079	0.176	0.081	0.225	0.101	0.332	0.145
Power (W)	10.5	11	13.4	13.8	21.3	21.4	21	21.2	26.9	27	39.8	39.4
In-rush (A)	8.9	22.2	9.9	24.8	8	19.1	15.3	32.1	11.6	27.9	12.8	27.5
In-rush Duration (ms)	0.145	0.118	0.198	0.107	0.185	0.133	0.237	0.12	0.187	0.081	0.211	0.107
THD (%)	<15.1	<16.7	<13.3	<15.5	<8.2	<10.6	<11	<13.6	<9.05	<11.8	<5.9	<8.8
PF ≥	≥ 0.98	≥ 0.92	≥ 0.98	≥ 0.94	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.98
Minimum starting temperature	-20°C (-4°F) Emergency battery option rated 0°C (32°F)											
Sound Rating	Class A standards											

Optical distributions

Field changeable lenses - medium and wide beam *(ships with medium installed, wide included)*

Medium

Wide

Wall Wash

Finishes

White

Bronze

Silver

PR6 LED Downlight & Wall Wash

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

Order Information

Sample Number: PR6FS24D010REM7 – PR6M24MD8FSMW
A complete luminaire consists of a mounting frame and LED module (order separately)

Standard Driver 120-277VAC, 0-10V analog dimming

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
PR6 = 6" aperture new construction / remodeler housing frame **PR6CP** = 6" aperture new construction / remodeler housing frame, CCEA Chicago Plenum rated	**Field Selectable**[4] **FS12** = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only **FS24** = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only **Discrete (fixed) Factory Set**[5] **10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules onlys **30** = 3000 lumens (nominal), use with PR6M24* LED modules only	**D010** = 120-277VAC 50/60Hz, 0-10V analog , 1%-100% dimming	**REM7** = integral 7 watt emergency battery pack with remote test / indicator light, use with D010 only [1] **REM14** = integral 14 watt emergency battery pack with remote test / indicator light, use with D010 only [1] **BOD7ST** = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only [1] **WTA** = Factory installed WaveLinx Sensor Kit [1] [3] **WTK** = Factory installed WaveLinx Lite Sensor Kit [1] [6]	**HB128APK** = L-channel "No Fuss" hanger bar, 26", pair (replacement) **RMB22 =** Adjustable wood joist mounting bars, pair, extend 22" long **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **PORLWTPD1** = LumaWatt Pro wireless sensor kit, field installed, D010 only [1] **WTA** = Field installed WaveLinx Sensor Kit [1] [3] **WTK** = Field installed WaveLinx Lite Sensor Kit [1] [6]

Notes

(1) Not available for Chicago Plenum
(3) 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)
(4) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module.
(5) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.
(6) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications)

DLV Driver Distributed Low Voltage Power System

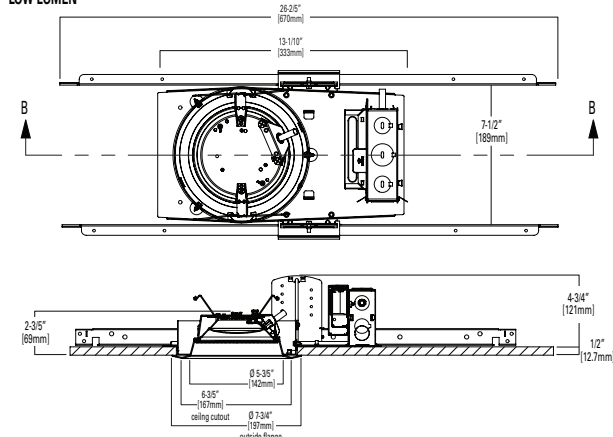| Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
PR6 = 6" aperture new construction / remodeler housing frame [1]	**10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules only **20** = 2000 lumens (nominal), use with PR6M12* LED modules or with PR6M24* LED modules **30** = 3000 lumens (nominal), use with PR6M24* LED modules only **40** = 4000 lumens (nominal), use with PR6M24* LED modules only	**DLV** = distributed low voltage dimming driver (1%-100%) For use with DLVP system. Refer to DLVP low-voltage power module and DLVP specifications for details. [1]	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only [1][2] **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only [1][2]	**HB128APK** = L-channel "No Fuss" hanger bar, 26", pair (replacement) **RMB22 =** Adjustable wood joist mounting bars, pair, extend 22" long

Notes

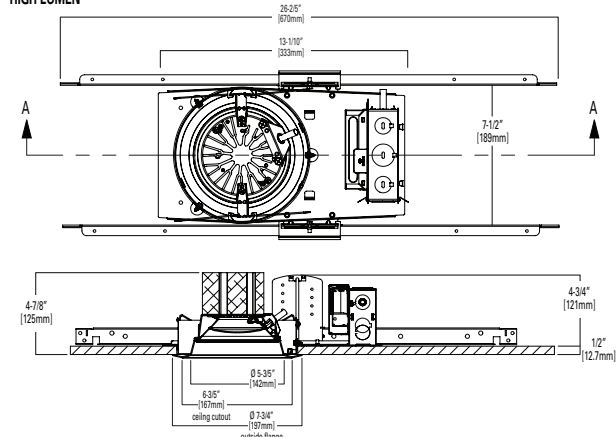(1) Not available for Chicago Plenum
(2) ULus for U.S. only

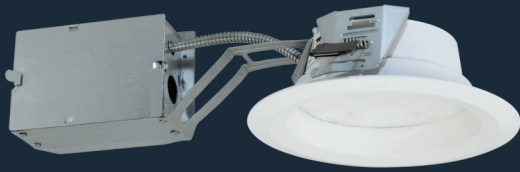| LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR6M = 6" aperture LED module and self-flanged reflector	**12** = field selectable 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR612*, PR610*, PR615*, PR620* mounting frames only. **24** = field selectable 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR624*, PR620*, PR630*, PR640* mounting frames only.	**MD** = Medium distribution lens - factory installed (60°, 1.2 SC) Included: Wide distribution lens – field interchangeable option (65°, 1.3 SC)	**Field Selectable** **8FS** = 80 CRI (nominal) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **9FS** = 90 CRI (nominal) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **Discrete (fixed) Factory Set** **827** = 80 CRI (minimum) 2700K **927** = 90 CRI (minimum) 2700K **850** = 80 CRI (minimum) 5000K **950** = 90 CRI (minimum) 5000K	**MW** = matte white ring/self-flanged reflector **MMS** = matte metallic silver ring/self-flanged reflector **BZ** = bronze ring/self-flanged reflector	**PR6WW** = 6" wall wash optic, field installed **OT400P** = Oversize matte white trim ring 5-7/8" ID opening, 9-1/2" OD flange. Use when retrofitting up to 7-5/8" ceiling cutout of an existing housing.

PR6 LED Downlight & Wall Wash

LOW LUMEN

HIGH LUMEN

6-inch aperture LED retrofit downlight offered in medium, wide, and wall wash distributions ideal for general area lighting. Selectable lumen options range from 1000 to 4000 lumens and selectable color temperatures of 3000K / 3500K / 4000K, in 80 or 90 CRI. Luminaire is for installation from below the finished ceiling in retrofitting applicable existing open frame downlights (nominal apertures 5-3/4" to 7-1/2"). Intended for healthcare, hospitality, convenience retail, and institutional spaces.

Order Information

Sample Number: PR6RFS24D010REM7 – PR6M24MD8FSMW
A complete luminaire consists of a retrofit kit and LED module (order separately)

Standard Driver 120-277VAC, 0-10V analog dimming

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Frame Accessories
PR6R = 6" aperture retrofit kit frame arm with integrated junction box and driver **PR6RCP** = 6" aperture retrofit kit frame arm with integrated junction box and driver, CCEA Chicago Plenum rated	**Field Selectable**[4] **FS12** = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only **FS24** = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only **Discrete (fixed) Factory Set**[5] **10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules onlys **30** = 3000 lumens (nominal), use with PR6M24* LED modules only	**D010** = 120-277VAC 50/60Hz, 0-10V analog , 1%-100% dimming	**REM7** = integral 7 watt emergency battery pack with remote test / indicator light, use with D010 only [1] **REM14** = integral 14 watt emergency battery pack with remote test / indicator light, use with D010 only [1] **BOD7ST** = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only [1] **WTA** = Factory installed WaveLinx Sensor Kit [1][3] **WTK** = Factory installed WaveLinx Lite Sensor Kit [1][6]	**H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA** = Field installed WaveLinx Sensor Kit [1][3] **WTK** = Field installed WaveLinx Lite Sensor Kit [1][6] **HL6RSMF** = 6" aperture new construction mounting frame with integral wood & T-grid bar hangers, adjust for 8" to 24" wide

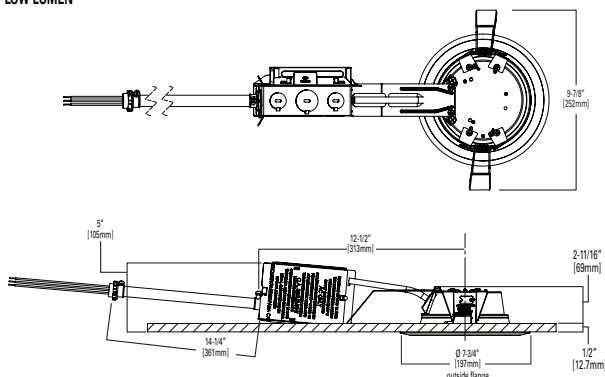| Notes |
|---|
| (1) Not available for Chicago Plenum
(3) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx system specifications)
(4) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module.
(5) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.
(6) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications) |

DLV Driver Distributed Low Voltage Power System

Mounting Frame	Lumens	Input / Control	Factory Installed Options	DLV Frame Accessories
PR6R = 6" aperture retrofit frame with integrated junction box and low voltage DLVP system driver	**10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules only **20** = 2000 lumens (nominal), use with PR6M12* LED modules or with PR6M24* LED modules **30** = 3000 lumens (nominal), use with PR6M24* LED modules only **40** = 4000 lumens (nominal), use with PR6M24* LED modules only	**DLV** = distributed low voltage dimming driver (1%-100%) For use with DLVP system. Refer to DLVP low-voltage power module and DLVP specifications for details. [1]	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only [1][2] **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only [1][2]	**HL6RSMF** = 6" aperture new construction mounting frame with integral wood & T-grid bar hangers, adjust for 8" to 24" wide

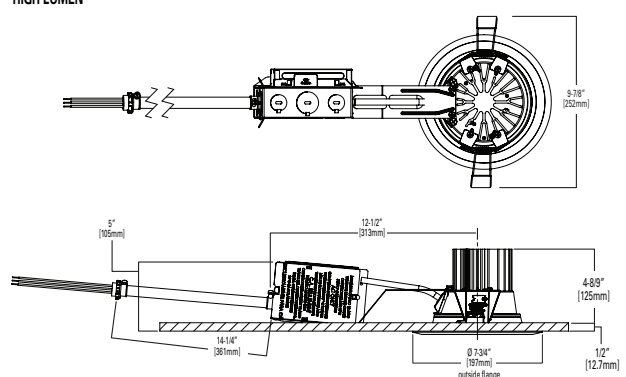| Notes |
|---|
| (1) Not available for Chicago Plenum
(2) ULus for U.S. only |

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR6M = 6" aperture LED module and self-flanged reflector	**12** = field selectable 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR612*, PR610*, PR615*, PR620* mounting frames only. **24** = field selectable 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR624*, PR620*, PR630*, PR640* mounting frames only.	**MD** = Medium distribution lens - factory installed (60°,1.2 SC) Included: Wide distribution lens – field interchangeable option (65°, 1.3 SC)	**Field Selectable** **8FS** = 80 CRI (nominal) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **9FS** = 90 CRI (nominal) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **Discrete (fixed) Factory Set** **827** = 80 CRI (minimum) 2700K **927** = 90 CRI (minimum) 2700K **850** = 80 CRI (minimum) 5000K **950** = 90 CRI (minimum) 5000K	**MW** = matte white ring/ self-flanged reflector **MMS** = matte metallic silver ring/self-flanged reflector **BZ** = bronze ring/self-flanged reflector	**PR6WW** = 6" wall wash optic, field installed **OT400P** = Oversize matte white trim ring 5-7/8" ID opening, 9-1/2" OD flange. Use when retrofitting up to 7-5/8" ceiling cutout of an existing housing.

PR6R LED Retrofit Downlight & Wall Wash

LOW LUMEN

HIGH LUMEN

9-7/8" [252mm]

9-7/8" [252mm]

5" [105mm]   12-1/2" [313mm]   2-11/16" [69mm]   14-1/4" [361mm]   Ø 7-3/4" [197mm] outside flange   1/2" [12.7mm]

5" [105mm]   12-1/2" [313mm]   4-8/9" [125mm]   14-1/4" [361mm]   Ø 7-3/4" [197mm] outside flange   1/2" [12.7mm]

PR6S LED Surface Mount Cylinder

6-inch aperture LED surface mount cylinder drum for use with self-flanged lensed LED downlight offered in medium, wide, and wall wash distributions ideal for general area lighting. Selectable lumen options range from 1000 to 4000 lumens and selectable color temperatures of 3000K / 3500K / 4000K, in 80 or 90 CRI. Intended for healthcare, hospitality, convenience retail, and institutional spaces.

Order Information

Sample Number: PR6SFS24D010MW – PR6M24MD8FSMW
A complete luminaire consists of a surface mount cylinder and LED module (order separately)
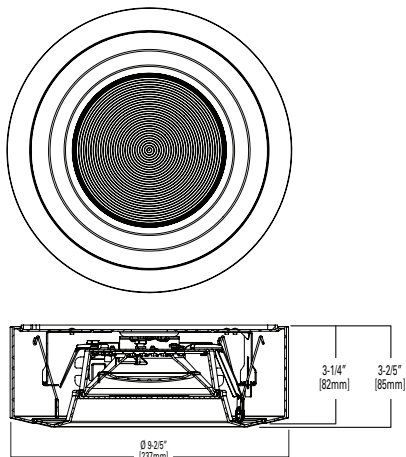
Standard Driver 120-277VAC, 0-10V analog dimming

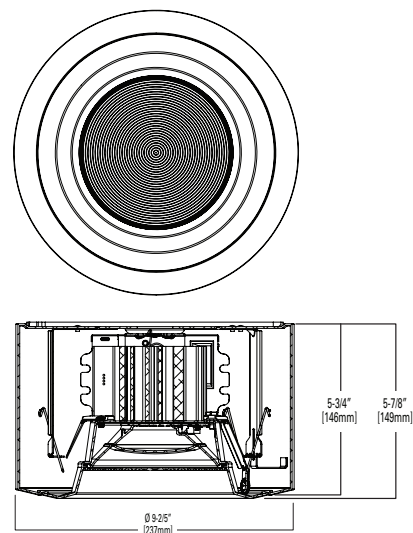| Mounting	Lumens	Input / Control	Finish
PR6S = 6" aperture surface mount cylinder	**LOW LUMEN - SHALLOW CYLINDER** **Field Selectable** **FS12** = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only **Discrete (fixed) Factory Set** **10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules onlys **HIGH LUMEN - DEEP CYLINDER** **Field Selectable** **FS24** = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only **Discrete (fixed) Factory Set** **30** = 3000 lumens (nominal), use with PR6M24* LED modules only	**D010** = 120-277VAC 50/60Hz, 0-10V analog , 1%-100% dimming	**MW** = matte white ring/self-flanged cylinder **MMS** = matte metallic silver ring/self-flanged cylinder **BZ** = bronze ring/self-flanged cylinder

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR6M = 6" aperture LED module and self-flanged reflector	**12** = field selectable low lumen range 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR6SFS12*, PR6SFS10*, PR6SFS15* surface cylinders. **24** = field selectable high lumen range 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR6SFS24*, PR6SFS30* surface cylinders.	**MD** = Medium distribution lens - factory installed (60°, 1.2 SC) Included: Wide distribution lens – field interchangeable option (65°, 1.3 SC)	**Field Selectable** **8FS** = 80 CRI (nominal) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **9FS** = 90 CRI (nominal) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **Discrete (fixed) Factory Set** **827** = 80 CRI (minimum) 2700K **927** = 90 CRI (minimum) 2700K **850** = 80 CRI (minimum) 5000K **950** = 90 CRI (minimum) 5000K	**MW** = matte white ring/ self-flanged reflector **MMS** = matte metallic silver ring/self-flanged reflector **BZ** = bronze ring/self-flanged reflector	**PR6WW** = 6" wall wash optic, field installed

PR6S LED Surface Mount Cylinder Downlight and Wall Wash

LOW LUMEN

3-1/4" [82mm] 3-2/5" [85mm]
Ø 9-2/5" [237mm]

HIGH LUMEN

5-3/4" [146mm] 5-7/8" [149mm]
Ø 9-2/5" [237mm]
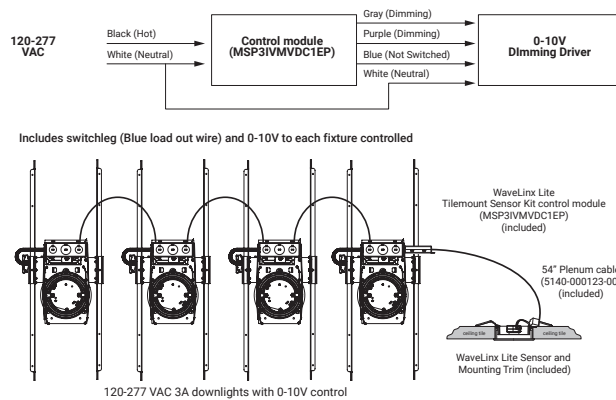
Connected Systems

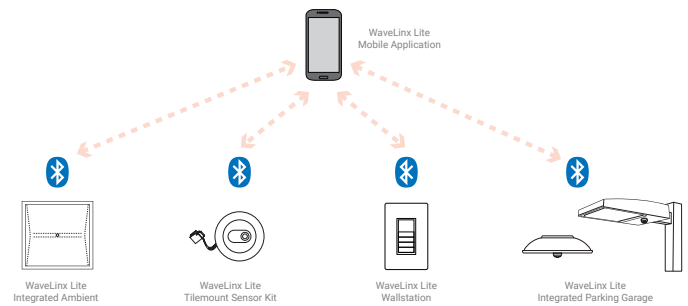## WaveLinx Lite - WTK Tilemount Sensor

- 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
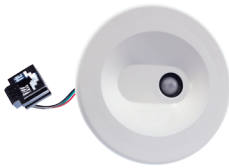- Refer to the WaveLinx system specifications for details

| Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes |

WaveLinx Lite WTK Tilemount Wiring Diagram

120-277 VAC

Black (Hot)
White (Neutral)

Control module (MSP3IVMVDC1EP)

Gray (Dimming)
Purple (Dimming)
Blue (Not Switched)
White (Neutral)

0-10V DImming Driver

Includes switchleg (Blue load out wire) and 0-10V to each fixture controlled

WaveLinx Lite Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)

54" Plenum cable (5140-000123-00) (included)

WaveLinx Lite Sensor and Mounting Trim (included)

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

WaveLinx Lite Bluetooth Enabled System

WaveLinx Lite Mobile Application

WaveLinx Lite Integrated Ambient

WaveLinx Lite Tilemount Sensor Kit

WaveLinx Lite Wallstation

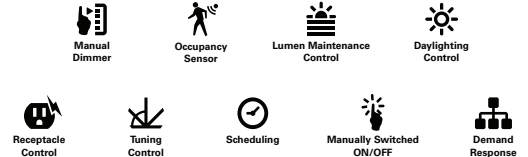WaveLinx Lite Integrated Parking Garage

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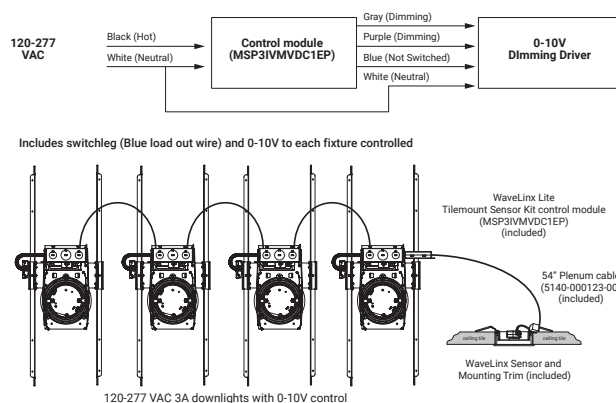## WaveLinx Wireless – WTA Tilemount Sensor

- 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
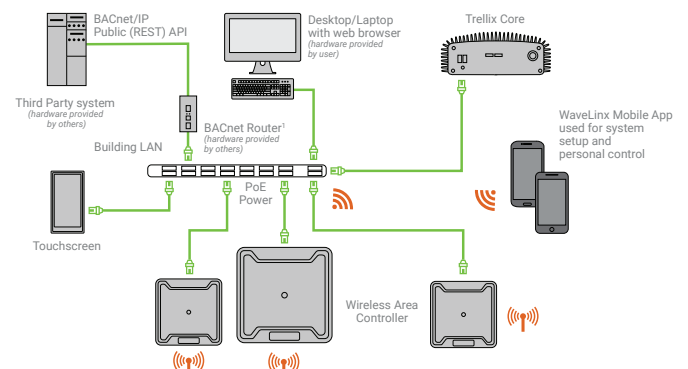- Stand-Alone Offices or Entire Building Network Installations

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

+

Wireless Area Controller
Provides centralized coordination of multiple area control options

+

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

+

Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

| Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control |
| Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response |

WaveLinx Lite WTA Tilemount Wiring Diagram

120-277 VAC

Black (Hot)
White (Neutral)

Control module (MSP3IVMVDC1EP)

Gray (Dimming)
Purple (Dimming)
Blue (Not Switched)
White (Neutral)

0-10V DImming Driver

Includes switchleg (Blue load out wire) and 0-10V to each fixture controlled

WaveLinx Lite Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)

54" Plenum cable (5140-000123-00) (included)

WaveLinx Sensor and Mounting Trim (included)

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

WaveLinx Wireless Trellix Building Management Integration

BACnet/IP Public (REST) API

Third Party system (hardware provided by others)

Desktop/Laptop with web browser (hardware provided by user)

Trellix Core

Building LAN

BACnet Router[1] (hardware provided by others)

WaveLinx Mobile App used for system setup and personal control

Touchscreen

PoE Power

Wireless Area Controller

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
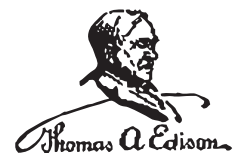Fifth Light (Canada Only)
HALO Home
WaveLinx

IoT Platform
Trellix

Thomas A. Edison

COOPER
Lighting Solutions