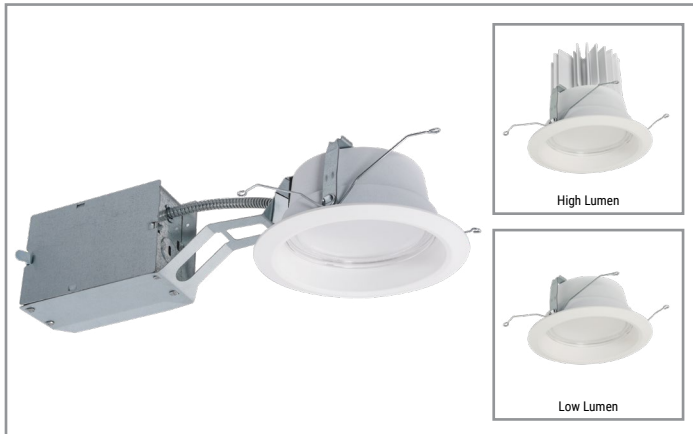


Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO Commercial

PR4R | PR4M

4-inch LED self-flanged, lensed retrofit downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 3](#)
- Photometric Data [page 4](#)
- Energy & Performance Data [page 6](#)
- Connected Systems [page 8](#)
- Product Warranty

Product Certification



Product Features



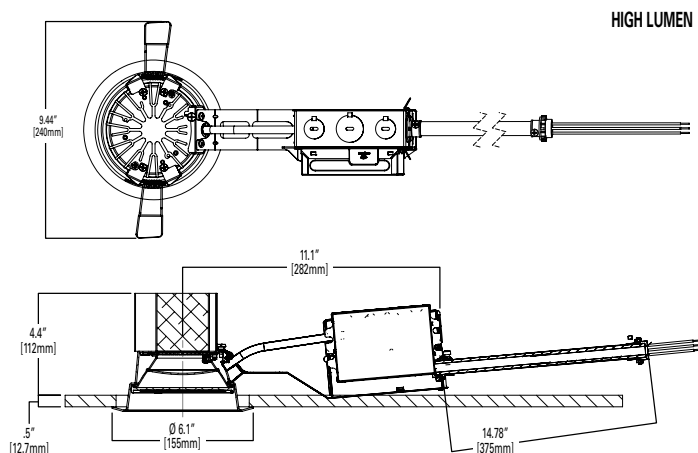
Control Compatibility



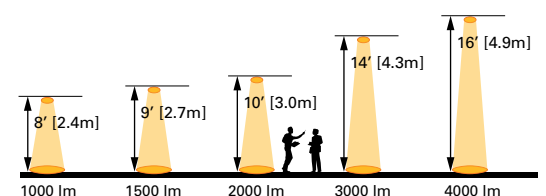
Top Product Features

- Selectable lumens 1000/1500/2000 and 2000/3000/4000
- SeleCCTable color temperature 3000K/3500K/4000K
- Available in 80 CRI or 90 CRI
- Retrofit 5" & 6" commercial housings with 4" lens LED
- Medium / Wide beam distribution reversible "flip" lens
- Wall wash accessory kit

Dimensional and Mounting Details



Scale



Nominal values for 15-20 footcandles at nadir.

[additional product diagrams](#)

Order Information

SAMPLE ORDER NUMBER: **PR4RFS24D010REM7 – PR4M24MD8FSMW****A complete luminaire consists of a mounting frame and LED module ordered separately, with optional accessories as noted**

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

Mounting Frame	Lumens	Input / Control	Options	Accessories
PR4R = 4" lens aperture, retrofit frame arm with integrated junction box and driver ⁽⁴⁾ PR4RCP = 4" lens aperture, retrofit frame arm with integrated junction box and driver, CCEA Chicago Plenum rated ⁽⁴⁾	Field Selectable FS12 = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR4M12* LED modules only ⁽⁵⁾ FS24 = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR4M24* LED modules only ⁽⁵⁾ Discrete (fixed) Factory Set ⁽⁶⁾ 10 = 1000 lumens (nominal), use with PR4M12* LED modules only 15 = 1500 lumens (nominal), use with PR4M12* LED modules only 30 = 3000 lumens (nominal), use with PR4M24* 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⁾ B0D7ST = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only ⁽¹⁾ WTA = Factory WaveLinX PRO Tilemount Sensor Kit ⁽¹⁾⁽³⁾ WTK = Factory WaveLinX LITE Tilemount Sensor Kit ⁽¹⁾⁽⁹⁾ WPN = WaveLinX PRO Wireless Node without sensor ⁽¹⁰⁾ WLN = WaveLinX LITE Wireless Node without Sensor ⁽¹¹⁾	H347 = 347 to 120V step down transformer, 75VA H347200 = 347 to 120V step down transformer, 200VA WTA = Field WaveLinX PRO Tilemount Sensor Kit ⁽¹⁾⁽³⁾ WTK = Field WaveLinX LITE Tilemount Sensor Kit ⁽¹⁾⁽⁹⁾
Notes (4) Retrofits 5.1" min. to 5.75" max. aperture (up to 7" max. aperture with OT450P accessory ring)	Notes (5) FS12 factory preset 2000 lumens in PR4M12 LED module. FS24 factory preset 4000 lumens in PR4M24 LED module. (6) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.	Notes	Notes (1) Not available for Chicago Plenum (3) 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.) (9) WTK = WaveLinX LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinX LITE system specifications.) (10) 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.) (11) 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.)	Notes (1) Not available for Chicago Plenum (3) 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.) (9) 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 ⁽⁷⁾	Input / Control	Options	Accessories
PR4R = 4" lens aperture, retrofit frame arm with integrated junction box and low voltage DLVP system driver ⁽⁸⁾	10 = 1000 lumens (nominal), use with PR4M12* LED modules only 15 = 1500 lumens (nominal), use with PR4M12* LED modules only 20 = 2000 lumens (nominal), use with PR4M12* LED modules or with PR4M24* LED modules 30 = 3000 lumens (nominal), use with PR4M24* LED modules only 40 = 4000 lumens (nominal), use with PR4M24* LED modules only	DLV = Distributed Low Voltage dimming driver 1%-100%, 1000-4000 lumens only. For use with DLVP system only, refer to 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⁾	
Notes (8) Retrofits 5.1" min. to 5.75" max. aperture (up to 7" max. aperture with OT450P accessory ring)	Notes (7) DLV driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.	Notes (1) Not available for Chicago Plenum	Notes (1) Not available for Chicago Plenum (2) ULus for U.S. only	Notes

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR4M = 4" lens aperture, LED trim/module with self-flanged shallow reflector. For use with PR4 series housing frames, retrofit frames, and surface cylinders	12 = field selectable 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR4RFS12*, PR4R10*, PR4R15*, PR4R20* mounting frames only. 24 = field selectable 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR4RFS24*, PR4R20*, PR4R30*, PR4R40* mounting frames only.	MD = medium / wide beam reversible "flip" lens. Factory set for medium. Tool-less twist-to-lock flip changes from medium to wide distribution. Medium distribution (70°, 1.01 SC) Wide distribution (107°, 1.61 SC)	Field Selectable 8FS = 80 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. 9FS = 90 CRI (minimum) 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	PR4WW = 4" wall wash optic, field installed PR4MDWD = 4" reversible medium / wide distribution - replacement lens OT450P = Oversize metal retrofit ring with 5.5" ID opening, 8" OD flange, matte white finish
Notes	Notes	Notes	Notes	Notes	Notes

Product Specifications

Frame

- Die-formed galvanized steel retrofit frame arm with integrated junction box
- One-piece construction attaches to LED module for installation in an existing commercial downlight from below the finished ceiling
- UL listed with Cooper commercial frames, and classified with others frames

Mounting

- Retrofit frame arm attaches to the LED module with knurled thumb screws

Retrofit

- Retrofit frame arm and LED module may be used to retrofit open frame 5.1" to 5.75" nominal aperture, and up to 7.0" with oversize trim ring OT450P.
- OT450P oversize trim ring, 5.5" I.D. and 8.0" O.D., matte white finish

LED Module

- Integrated self-flanged reflector with multiple finish options
- Patented SeleCCTable™ color temperature technology and selectable lumen output for selection in the field
- Integrated dip switches for color and lumen selection
- Field Selectable CCT 3000K / 3500K / 4000K
- Discrete (Fixed) CCT options in 2700K and 5000K
- Low and high selectable lumen ranges:
 - Low Lumen: 1000lm / 1500lm / 2000lm (nominal)
 - High Lumen: 2000lm / 3000lm / 4000lm (nominal)
- Discrete (fixed) lumen models in 1000lm, 1500lm, 3000lm (nominal); use to meet lighting power density codes
- Available in 80 CRI or 90 CRI (nominal) with color accuracy within 3 SDCM
- LED array uses a plurality of mid-power surface mount LEDs delivering high flux and excellent efficiency
- Passive cooling achieves L70 at 50,000 hours
- Integral connector for quick link to the retrofit frame arm

LED Module - Reflector

- Integrated self-flanged reflector with LED array and lens
- Finish options: matte white, matte metallic silver, and dark bronze

LED Module - Optics

- Reversible "Flip" Lens
 - "Flip" lens is reversible offering medium / wide beam options
 - Lens ships in medium beam. Twist-to-lock feature allows conversion to wide beam in the field without tools.
 - Micro-prismatic lens is precision molded optical polymer
- Louvered Wall Wash
 - Optional field installed wall wash kit offers 360° rotation, allowing the housing to be installed in any orientation.

Driver

- Driver is preinstalled and prewired to the junction box on the retrofit frame arm
- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- Continuous 1% - 100% dimming with 0-10V analog control
- Optional low voltage DC driver for use with DLVP distributed low voltage power system (see DLVP Design Guide for details)

Emergency Option

- Available with 7 or 14 watt emergency battery pack with remote test switch / charge indicator light
- Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting
- Available Self-Test (self-diagnostic), with remote charge indicator and test switch

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 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.
 - **Note:** Only available with fixed lumen housings, and not available with field selectable lumen housings.

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.
 - **Note:** Only available with fixed lumen housings, and not available with field selectable lumen housings.

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.**

Junction Box

- Galvanized steel junction box
- 20in³ internal volume excluding voltage barrier
- 25 in³ 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 used for fixture wiring

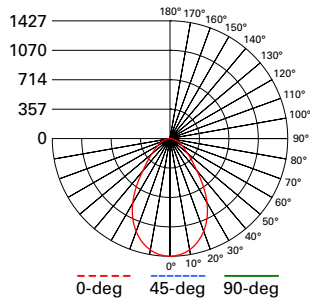
Compliance

- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Field selectable 1000/1500/2000lm, 2000/3000/4000lm models, and fixed output 3000lm models are Non-IC rated, insulation must be kept 3" from top and sides
- Fixed output 1000lm and 1500lm models are Type IC thermally protected and suitable for direct contact to air permeable insulation (also suitable for Non-IC)
- 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 of the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance of IES LM-79-08
- Lumen maintenance projections in accordance of IES LM-80-08 and TM-21-11
- May be used to comply with State of California Title 24 non-residential code, as a dimmable LED luminaire
- ENERGY STAR® certified, see Certified Light Fixtures database

Warranty

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

Photometric Data

**PR4RFS12D010 - PR4M12MD8FSMW**

Low lumen module, 2000 lumen, medium lens

Spacing criterion: 1.01

Lumens: 2135

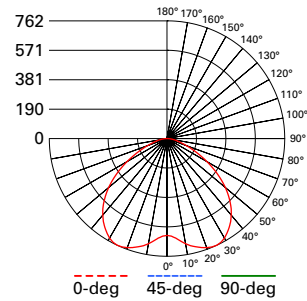
Input Watts: 19.8 W

Efficacy: 107.8 LPW

UGR: 21

Test Report:

PR4FS12D010 PR4M12MD8FSMW
2000Lm3500K.ies

**PR4RFS12D010 - PR4M12WD8FSMW**

Low lumen module, 2000 lumen, wide lens

Spacing criterion: 1.61

Lumens: 2177

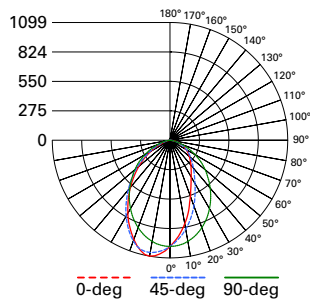
Input Watts: 19.8 W

Efficacy: 109.9 LPW

UGR: 24

Test Report:

PR4FS12D010 PR4M12WD8FSMW
2000Lm3500K.ies

**PR4RFS12D010 - PR4M12MD8FSMW - PR4WW**

Low lumen module - wall wash, 2000 lumen, wall wash accessory

Spacing criterion: 1.12

Lumens: 1845

Input Watts: 19.8 W

Efficacy: 93.2 LPW

UGR: 23

Test Report:

PR4FS12D010 PR4M12WW8FSMW
2000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)

1	15.8	12	6	2.5	1.1	0.5	0.2
2	17.2	14.3	8.8	4.7	2.4	1.2	0.7
3	12.8	11.3	8	5	2.9	1.7	1
4	8.9	8.1	6.3	4.4	2.9	1.9	1.2
5	6.3	5.9	4.9	3.7	2.6	1.8	1.2
6	4.6	4.3	3.8	3	2.3	1.7	1.2
7	3.4	3.3	2.9	2.4	2	1.5	1.1
8	2.6	2.5	2.3	2	1.6	1.3	1
9	2	2	1.8	1.6	1.4	1.1	0.9
10	1.6	1.6	1.5	1.3	1.1	1	0.8

MULTIPLE UNIT FOOTCANDLES

2.5' from wall
(distance from fixture along wall)

3

2.5' from wall
(distance from fixture along wall)

4

1	18.3	17.6	18.3	16.8	11.9	16.8
2	21.9	23.1	21.9	19.6	17.6	19.6
3	17.8	19.4	17.8	15.7	16	15.7
4	13.3	14.6	13.3	11.8	12.7	11.8
5	10	10.8	10	8.9	9.7	8.9
6	7.6	8.2	7.6	6.9	7.5	6.9
7	5.9	6.2	5.9	5.4	5.9	5.4
8	4.6	4.9	4.6	4.2	4.6	4.2
9	3.6	3.8	3.6	3.4	3.7	3.4
10	2.9	3	2.9	2.7	2.9	2.7

Photometric Multipliers - Selectable lumen 1000lm - 1500lm - 2000lm

1000 Lumen	1500 Lumen	2000 Lumen
0.47	0.62	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.94	0.83

Multipliers for nominal values with other series models

CCT Multipliers - 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.92	1.00	0.98

Multipliers for nominal values with other series models

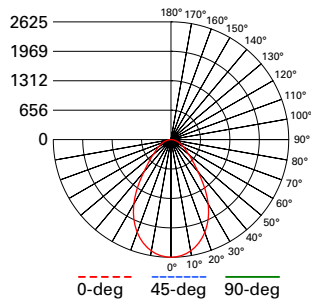
CCT Multipliers - 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.93	1.00	0.97

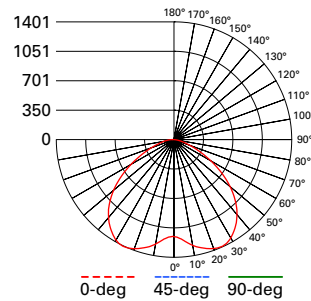
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

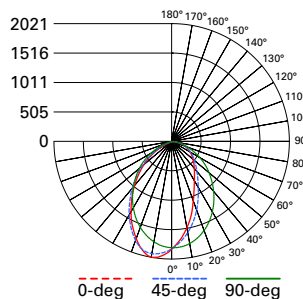
Photometric Data

**PR4RFS24D010-
PR4M24MD8FSMW**

High lumen module, 4000 lumen,
medium lens
Spacing criterion: 1.01
Lumens: 3927
Input Watts: 39 W
Efficacy: 100.7 LPW
UGR: 23
Test Report:
PR4FS24D010 PR4M24MD8FSMW
4000Lm3500K.ies

**PR4RFS24D010 -
PR4M24MD8FSMW**

High lumen module, 4000 lumen,
wide lens
Spacing criterion: 1.61
Lumens: 4004
Input Watts: 39 W
Efficacy: 102.7 LPW
UGR: 25
Test Report:
PR4FS24D010 PR4M24WD8FSMW
4000Lm3500K.ies

**PR4RFS24D010 -
PR4M24MD8FSMW - PR4WW**

High lumen module - wall wash, 2000
lumen, wall wash accessory
Spacing criterion: 1.12
Lumens: 3394
Input Watts: 39 W
Efficacy: 87 LPW
UGR: 24
Test Report:
PR4FS24D010 PR4M24WW8FSMW
4000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)

1	29	22.1	10.9	4.6	2	0.8	0.4
2	31.7	26.3	16.2	8.6	4.4	2.3	1.2
3	23.5	20.7	14.7	9.2	5.4	3.2	1.8
4	16.4	14.9	11.6	8.1	5.4	3.4	2.2
5	11.6	10.8	9	6.8	4.8	3.3	2.3
6	8.4	8	6.9	5.5	4.2	3.1	2.2
7	6.3	6	5.4	4.5	3.6	2.8	2.1
8	4.8	4.7	4.2	3.6	3	2.4	1.9
9	3.7	3.6	3.4	3	2.5	2.1	1.7
10	2.9	2.9	2.7	2.4	2.1	1.8	1.5

MULTIPLE UNIT FOOTCANDLES2.5' from wall
(distance from fixture along wall)

3

2.5' from wall
(distance from fixture along wall)

4

1	33.7	32.3	33.7	31	21.9	31
2	40.3	42.6	40.3	36.1	32.5	36.1
3	32.7	35.8	32.7	28.9	29.4	28.9
4	24.5	26.8	24.5	21.7	23.3	21.7
5	18.4	19.9	18.4	16.4	17.9	16.4
6	14	15.1	14	12.6	13.8	12.6
7	10.8	11.5	10.8	9.9	10.8	9.9
8	8.4	8.9	8.4	7.8	8.5	7.8
9	6.7	7	6.7	6.3	6.7	6.3
10	5.4	5.6	5.4	5	5.4	5

Photometric Multipliers - Selectable lumen 2000lm-3000lm-4000lm

2000 Lumen	3000 Lumen	4000 Lumen
0.53	0.70	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.94	0.83

Multipliers for nominal values with other series models

CCT Multipliers - 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.90	1.00	0.96

Multipliers for nominal values with other series models

CCT Multipliers - 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.91	1.00	0.95

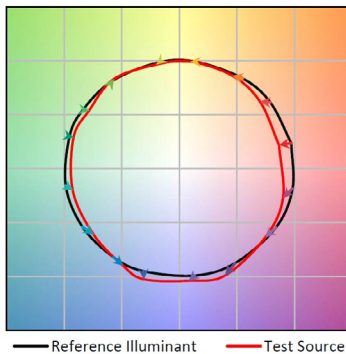
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

Energy and Performance Data

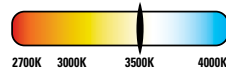
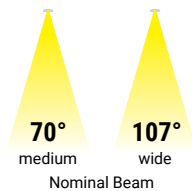
COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI & 90 CRI Color Metric Summary - Low Lumen / 3500K*

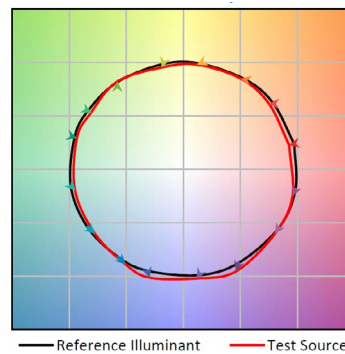


80 CRI	
TM-30-15	Rf = 82 Rg = 94
CRI/CIE	Ra = 83 R9 = 11

90 CRI	
TM-30-15	Rf = 90 Rg = 98
CRI/CIE	Ra = 95 R9 = 77

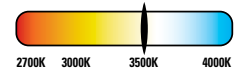
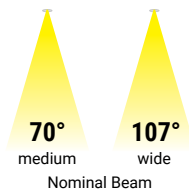


80 CRI & 90 CRI Color Metric Summary - High Lumen / 3500K*



80 CRI	
TM-30-15	Rf = 82 Rg = 94
CRI/CIE	Ra = 83 R9 = 10

90 CRI	
TM-30-15	Rf = 90 Rg = 98
CRI/CIE	Ra = 94 R9 = 74



PR4FS12 LED MODULE LOW LUMEN RANGE

Series		1000 lumen		Series		1500 lumen		Series		2000 lumen	
Input Voltage 120-277VAC		120V	277V	Input Voltage 120-277VAC		120V	277V	Input Voltage 120-277VAC		120V	277V
Input Current (A)		0.089	0.043	Input Current (A)		0.112	0.052	Input Current (A)		0.178	0.079
Input Power (W)		10.5	11	Input Power (W)		13.4	13.8	Input Power (W)		21.3	21.4
In-rush (A)		8.9	22.2	In-rush (A)		9.9	24.8	In-rush (A)		8	19.1
In-rush Duration (ms)		0.145	0.118	In-rush Duration (ms)		0.198	0.107	In-rush Duration (ms)		0.185	0.133
THD (%)		<15.1	<16.7	THD (%)		<13.3	<15.5	THD (%)		<8.2	<10.6
PF		≥ 0.98	≥ 0.92	PF		≥ 0.98	≥ 0.94	PF		≥ 0.99	≥ 0.97
Minimum starting temperature -20°C (-4°F)*				Minimum starting temperature -20°C (-4°F)*				Minimum starting temperature -20°C (-4°F)*			
Sound Rating: Class A standards				Sound Rating: Class A standards				Sound Rating: Class A standards			

PR4FS24 LED MODULE HIGH LUMEN RANGE

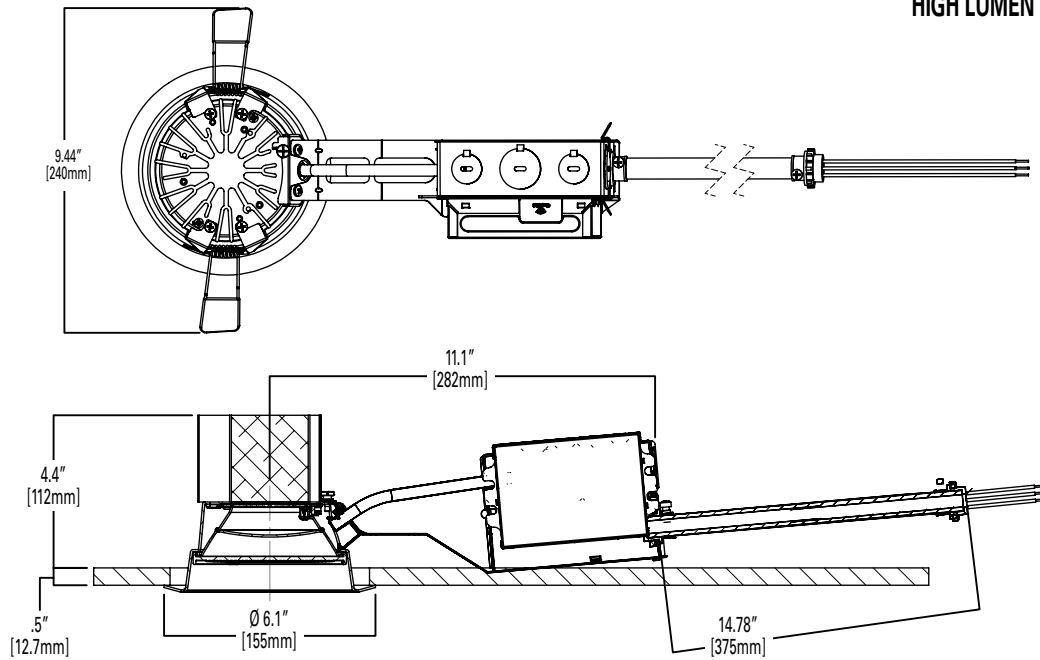
Series		2000 lumen		Series		3000 lumen		Series		4000 lumen	
Input Voltage 120-277VAC		120V	277V	Input Voltage 120-277VAC		120V	277V	Input Voltage 120-277VAC		120V	277V
Input Current (A)		0.176	0.081	Input Current (A)		0.225	0.101	Input Current (A)		0.332	0.145
Input Power (W)		21	21.2	Input Power (W)		26.9	27	Input Power (W)		39.8	39.4
In-rush (A)		15.3	32.1	In-rush (A)		11.6	27.9	In-rush (A)		12.8	27.5
In-rush Duration (ms)		0.237	0.12	In-rush Duration (ms)		0.187	0.081	In-rush Duration (ms)		0.211	0.107
THD (%)		<11	<13.6	THD (%)		<9.05	<11.8	THD (%)		<5.9	<8.8
PF		≥ 0.99	≥ 0.94	PF		≥ 0.99	≥ 0.96	PF		≥ 0.99	≥ 0.98
Minimum starting temperature -20°C (-4°F)*				Minimum starting temperature -20°C (-4°F)*				Minimum starting temperature -20°C (-4°F)*			
Sound Rating: Class A standards				Sound Rating: Class A standards				Sound Rating: Class A standards			

Notes:

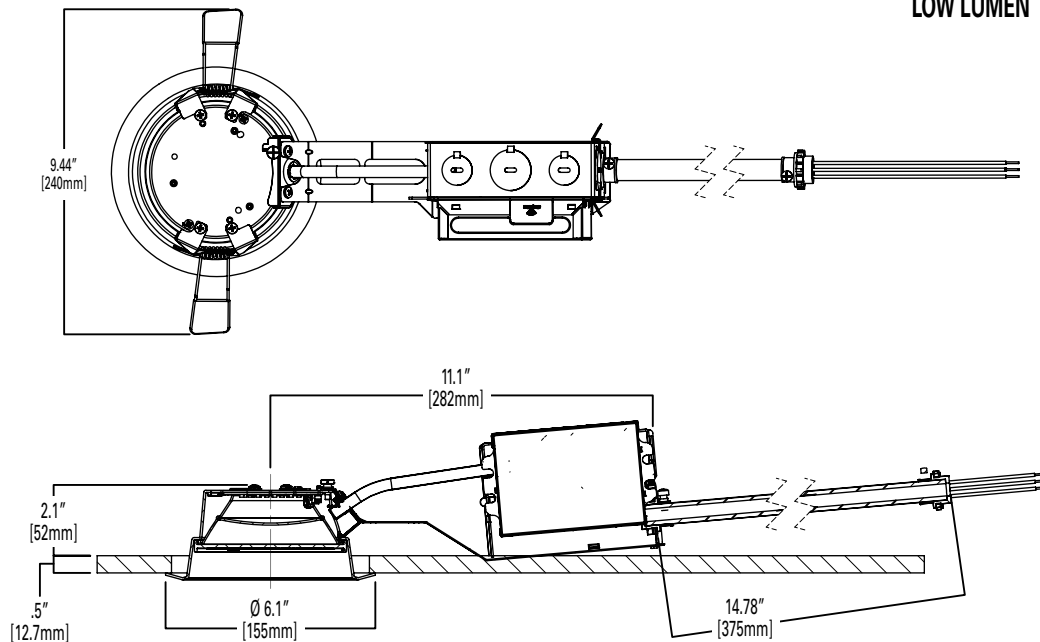
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

Dimensional Details

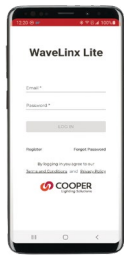
HIGH LUMEN



LOW LUMEN



Connected Solutions



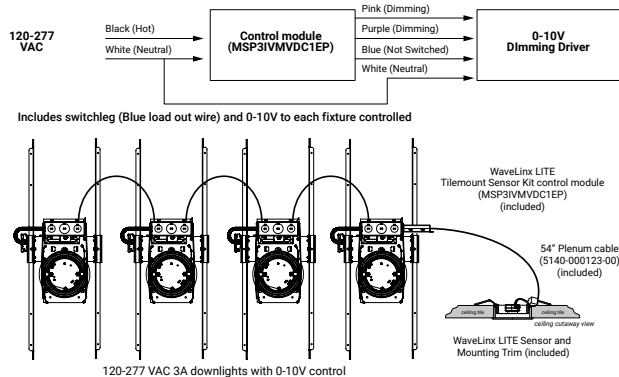
WaveLinX LITE - WTK Tilemount Sensor

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



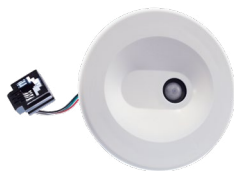
WaveLinX LITE Bluetooth Enabled System



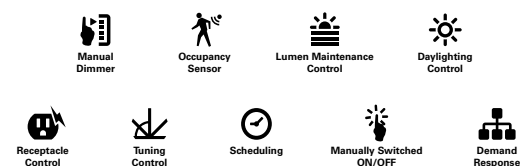
WaveLinX PRO – WTA Tilemount Sensor

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

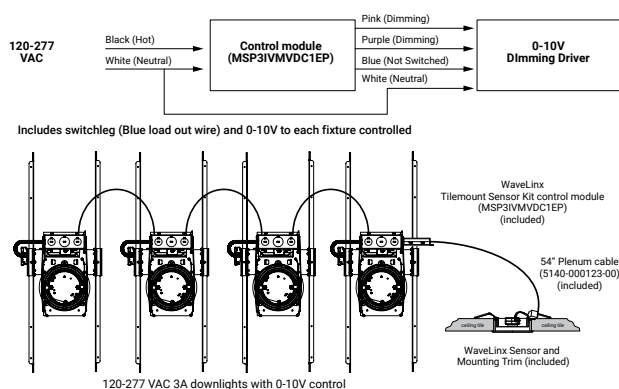
- WaveLinX PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



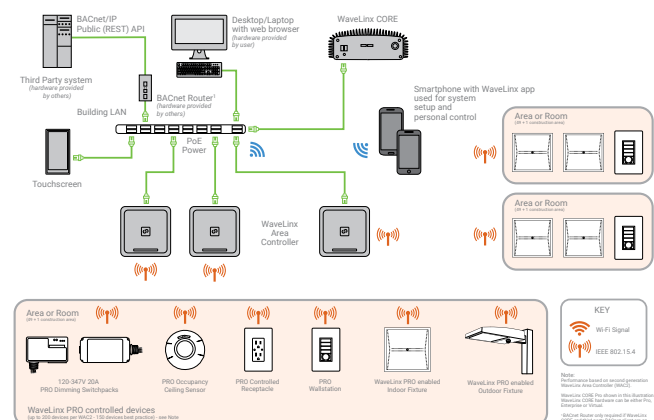
WaveLinX mobile app settings



WaveLinX WTA Tilemount Wiring Diagram



WaveLinX CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

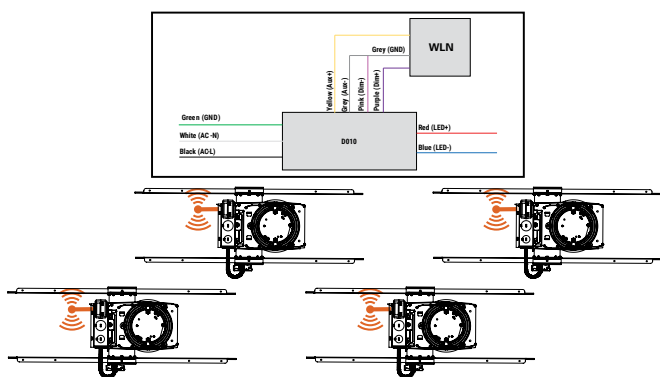
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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 LITE Bluetooth Enabled System

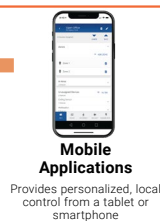


WaveLinX PRO Wireless Node - WPN

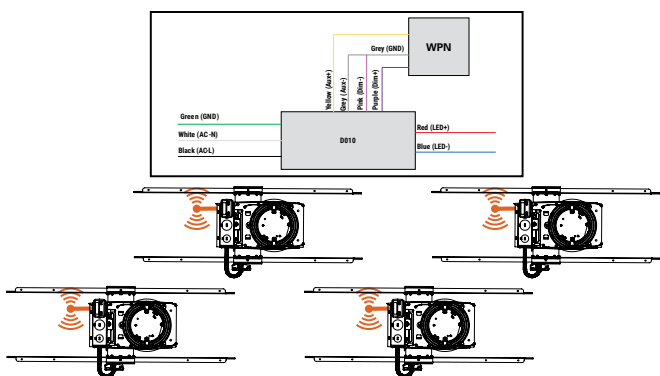
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

- 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

