

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO Commercial

PR6S | PR6M

6-inch LED surface mount cylinder and self-flanged, lensed downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional

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Product Certification



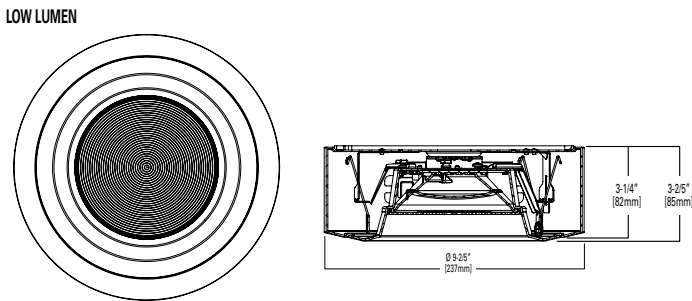
Product Features



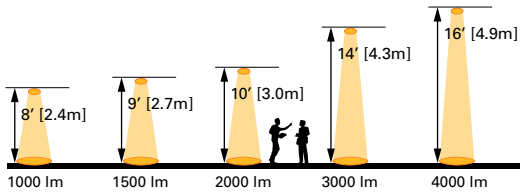
Top Product Features

- Selectable lumens 1000/1500/2000 and 2000/3000/4000
- SeleCCTable color temperature 3000K/3500K/4000K
- Available in 80 CRI or 90 CRI
- Medium/Wide beam distribution reversible lens; Wall wash accessory kit
- Surface cylinder for mounting on indoor / outdoor protected ceilings

Dimensional and Mounting Details



Scale



Nominal values for 15 - 20 footcandles at nadir.

[additional product diagrams](#)

Order Information

SAMPLE ORDER NUMBER: **PR6SFS24D010MW – PR6M24MD8FSMW**

Mounting Frame	Lumens	Input / Control	Finish
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⁽¹⁾ FS12 = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only Discrete (fixed) Factory Set⁽²⁾ 10 = 1000 lumens (nominal), use with PR6M12* LED modules only 15 = 1500 lumens (nominal), use with PR6M12* LED modules only HIGH LUMEN - DEEP CYLINDER Field Selectable⁽¹⁾ FS24 = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only Discrete (fixed) Factory Set⁽²⁾ 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 reflector MMS = matte metallic silver ring/self-flanged reflector BZ = bronze ring/self-flanged reflector
Notes	Notes	Notes	Notes
	(1) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module. (2) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.		

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
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 (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	PR6WW = 6" wall wash optic, field installed
Notes	Notes	Notes	Notes	Notes	Notes

Product Specifications

Housing

- One piece spun aluminum gasketed surface ceiling mount housing cylinder
- Available in matte white, matte metallic silver and dark bronze finishes
- May be used for new construction or renovation work on protected covered ceilings

Universal Mounting Bracket

- Provided with mounting pattern for direct installation to most standard 4" round, 3-1/2" and 4" octagonal or 4" square junction boxes

LED Module

- Integrated self-flanged shallow reflector with multiple finish options
- Patented SeleCCTable™ color temperature technology and selectable lumen output for selection in the field
- Integrated dip switches for selectable color and lumen selection in the field
- Selectable CCT 3000K/3500K/4000K
- Selectable lumen ranges:
 - Low Lumen:
 - Small - Shallow cylinder for 1000lm, 1500lm, 2000m (nominal)
 - High Lumen:
 - Large - Deep cylinder for 2000lm, 3000lm, 4000lm (nominal)
- Discrete (fixed) lumen models, use to meet lighting power density codes
 - Low Lumen:
 - Small - shallow cylinder 1000lm
 - Small - Shallow cylinder 1500lm
 - High Lumen:
 - Large - Deep cylinder 3000lm (nominal)
- 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 housing flex

LED Module – Optics

- Lens included offers 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 formed optical polymer
- Louvered Wall Wash
 - Optional field installed wall wash kit offers 360° rotation, allowing the housing to be installed in any orientation.

LED Module - Reflector

- Integrated self-flanged shallow reflector with LED array and lens
- Finish paint options: matte white, matte metallic silver, and dark bronze
- Standard torsion springs on module to be replaced by a set of short torsion springs included with surface cylinders for field installation

LED Module - Retention

- Module/reflector is securely retained with (2) short torsion springs holding the flange tightly to the housing
- Set of (2) short torsion springs included with surface cylinders for field installation in place of standard springs as shipped on module

Driver

- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- Continuous 1% - 100% dimming with 0 -10V analog controls

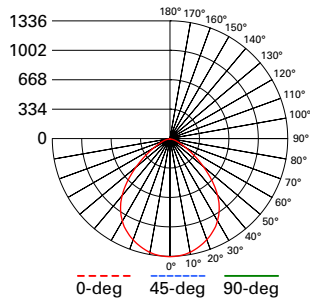
Compliance

- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- IP64 rated
- 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 for California Title 24 non-residential compliance, 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

 View IES files
**PR6SFS12D010 - PR6M12MD8FSMW**

Low lumen module, 2000 lumen, medium lens

Spacing criterion: (II) 1.2 x

Lumens: 2703

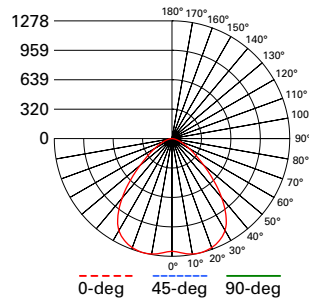
Input Watts: 20.4 W

Efficacy: 132.5 LPW

UGR: 21

Test Report:

PR6FS12D010 PR6M12MD8FSMW
2000Lm3500K.ies

**PR6SFS12D010 - PR6M12MD8FSMW**

Low lumen module, 2000 lumen, wide lens

Spacing criterion: (II) 1.33 x

Lumens: 2674

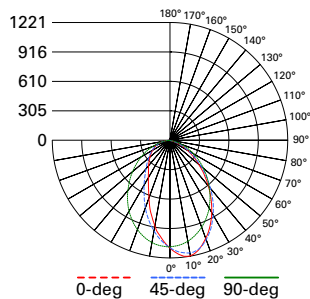
Input Watts: 20.4 W

Efficacy: 131.1 LPW

UGR: 21

Test Report:

PR6FS12D010 PR6M12WD8FSMW
2000Lm3500K.ies

**PR6SFS12D010 - PR6M12MD8FSMW - PR6WW**

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

Spacing criterion: (II) 1.13 x

Lumens: 2079

Input Watts: 20.4 W

Efficacy: 101.9 LPW

UGR: 19

Test Report:

PR6FS12D010 PR6M12WW8FSMW
2000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)

	1	2	3	4	5	6	7	8	9	10
1	17.2	12.6	6.1	2.6	1.1	0.5	0.2			
2	30.4	24.2	13.7	6.8	3.4	1.7	0.9			
3	27.5	23.4	15.3	8.7	4.8	2.7	1.5			
4	20	17.9	13.2	8.5	5.2	3.1	1.9			
5	13.8	12.8	10.2	7.2	4.8	3.2	2.1			
6	9.6	9	7.6	5.8	4.2	2.9	2			
7	6.7	6.4	5.6	4.6	3.5	2.6	1.9			
8	4.9	4.7	4.2	3.6	2.9	2.2	1.7			
9	3.6	3.5	3.2	2.8	2.3	1.9	1.5			
10	2.7	2.7	2.5	2.2	1.9	1.6	1.3			

MULTIPLE UNIT FOOTCANDLES

2.5' from wall
(distance from fixture along wall)

3

	1	2	3
1	19.8	18.2	19.8
2	37.2	37.9	37.2
3	36.2	38.9	36.2
4	28.5	31.4	28.5
5	21.1	23.2	21.1
6	15.4	16.7	15.4
7	11.3	12.2	11.3
8	8.4	9	8.4
9	6.4	6.7	6.4
10	4.9	5.1	4.9

2.5' from wall
(distance from fixture along wall)

4

	1	2	3
1	18.3	12.2	18.3
2	33.7	27.4	33.7
3	32.3	30.6	32.3
4	25.2	26.3	25.2
5	18.7	20.3	18.7
6	13.8	15.2	13.8
7	10.2	11.3	10.2
8	7.7	8.4	7.7
9	5.9	6.4	5.9
10	4.6	4.9	4.6

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

1000 Lumen	1500 Lumen	2000 Lumen
0.51	0.65	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	0.93	0.88

Multipliers for nominal values with other series models

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

3000K	3500K	4000K
0.88	1.00	0.96

Multipliers for nominal values with other series models

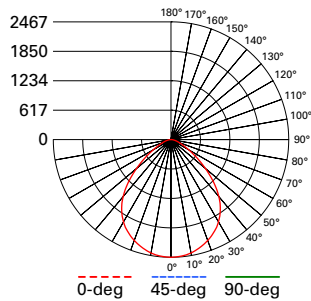
CCT Multipliers - 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.76	0.76	0.74

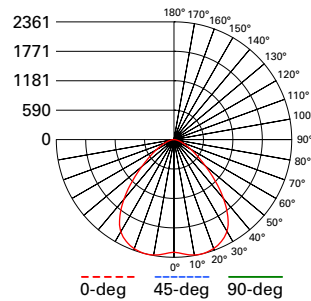
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

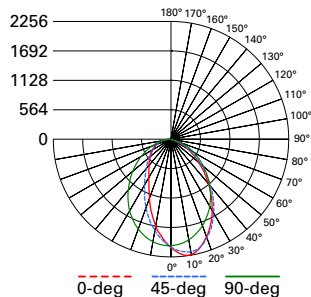
Photometric Data

 View IES files

**PR6SFS24D010 -
PR6M24MD8FSMW**

High lumen module, 4000 lumen,
medium lens
Spacing criterion: (II) 1.2 x
Lumens: 4993
Input Watts: 39 W
Efficacy: 128 LPW
UGR: 23
Test Report:
PR6FS24D010 PR6M24MD8FSMW
4000Lm3500K.ies


**PR6SFS24D010 -
PR6M24MD8FSMW**

High lumen module, 4000 lumen,
wide lens
Spacing criterion: (II) 1.33 x
Lumens: 4940
Input Watts: 39 W
Efficacy: 126.7 LPW
UGR: 23
Test Report:
PR6FS24D010 PR6M24WD8FSMW
4000Lm3500K.ies

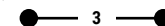

**PR6SFS24D010 -
PR6M24MD8FSMW - PR6WW**

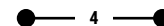
High lumen module - wall wash, 2000
lumen, wall wash accessory
Spacing criterion: (II) 1.13 x
Lumens: 3841
Input Watts: 39 W
Efficacy: 98.5 LPW
UGR: 21
Test Report:
PR6FS24D010 PR6M24WW8FSMW
4000Lm3500K.ies

SINGLE UNIT FOOTCANDLES
2.5' from wall (distance from fixture along wall)

	1	2	3	4	5	6	7	8	9	10
1	31.7	23.3	11.3	4.8	2	0.9	0.4			
2	56.1	44.8	25.3	12.6	6.2	3.1	1.6			
3	50.7	43.2	28.3	16.1	8.9	4.9	2.8			
4	37	33.1	24.3	15.7	9.6	5.8	3.5			
5	25.6	23.6	18.8	13.4	9	5.9	3.8			
6	17.7	16.6	14	10.8	7.8	5.4	3.8			
7	12.4	11.9	10.4	8.4	6.5	4.8	3.5			
8	9	8.7	7.8	6.6	5.3	4.1	3.1			
9	6.7	6.4	5.9	5.1	4.3	3.5	2.7			
10	5	4.9	4.6	4	3.5	2.9	2.4			

MULTIPLE UNIT FOOTCANDLES
2.5' from wall
(distance from fixture along wall)


2.5' from wall
(distance from fixture along wall)



	1	2	3	4	5	6	7	8	9	10
1	36.5	33.6	36.5	33.7	22.5	33.7				
2	68.8	70	68.8	62.3	50.7	62.3				
3	66.9	71.8	66.9	59.6	56.6	59.6				
4	52.7	58	52.7	46.6	48.6	46.6				
5	39	42.8	39	34.5	37.6	34.5				
6	28.4	30.9	28.4	25.5	28	25.5				
7	20.8	22.5	20.8	18.9	20.8	18.9				
8	15.6	16.6	15.6	14.3	15.6	14.3				
9	11.8	12.4	11.8	10.9	11.8	10.9				
10	9.1	9.5	9.1	8.5	9.1	8.5				

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

2000 Lumen	3000 Lumen	4000 Lumen
0.54	0.69	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	0.93	0.88

Multipliers for nominal values with other series models

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

3000K	3500K	4000K
0.89	1.00	0.95

Multipliers for nominal values with other series models

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

3000K	3500K	4000K
0.77	0.83	0.75

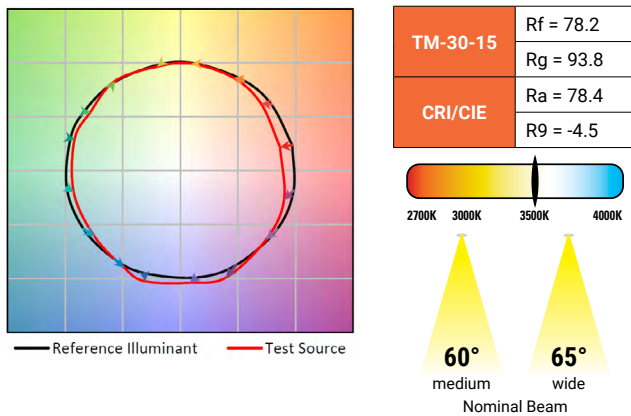
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

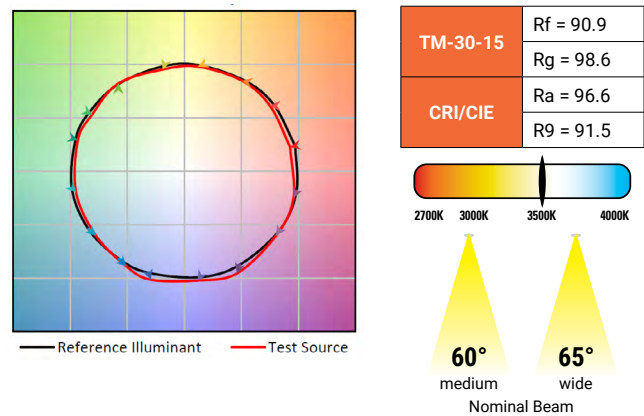
Energy and Performance Data

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

80 CRI Color Metric Summary - 3500K*



90 CRI Color Metric Summary - 3500K*



PR6FS12 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		

PR6FS24 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		

Connected Solutions

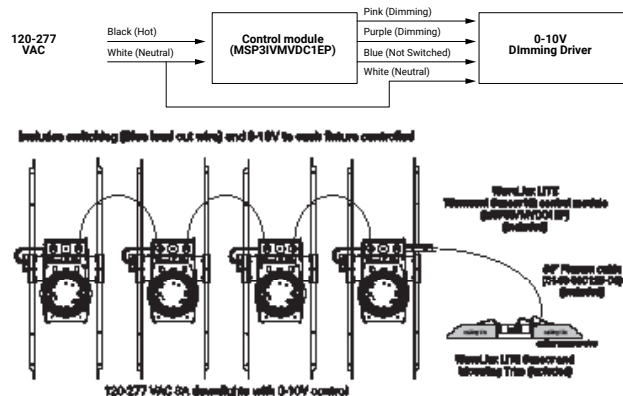


WaveLinX LITE - WTK Tilemount Sensor

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



WaveLinX LITE WTK Tilemount Wiring Diagram

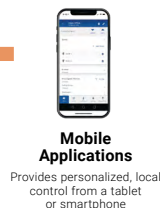


WaveLinX LITE Bluetooth Enabled System



WaveLinX PRO – WTA Tilemount Sensor

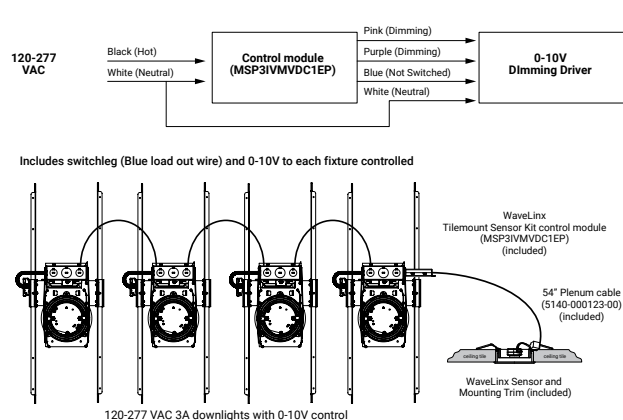
- WaveLinX PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



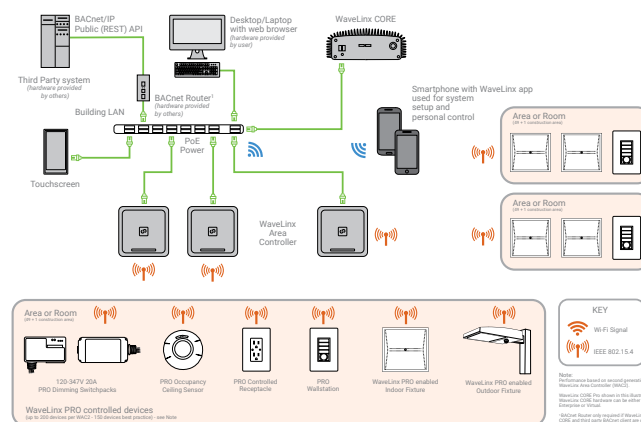
WaveLinX mobile app settings



WaveLinX WTA Tilemount Wiring Diagram

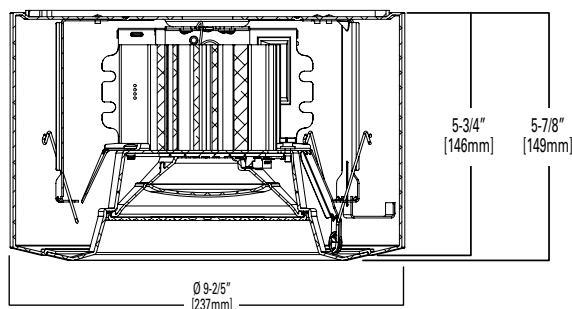
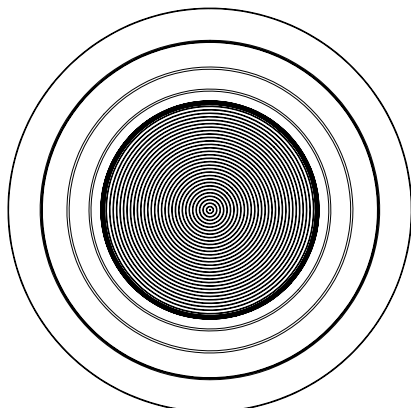


WaveLinX CORE Building Management Integration



Dimensional Details

HIGH LUMEN



LOW LUMEN

