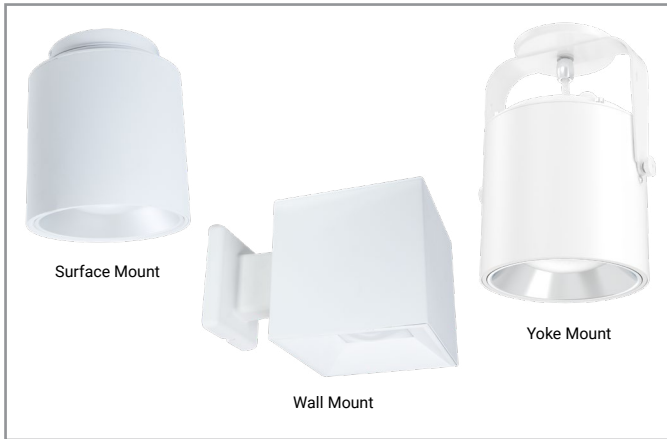


Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LERS6D/LESQS6D/LSRYMS6D/ LSSQYMS6D Cylinders

6" Round and Square Shallow Cylinder
Surface, Ceiling, Wall, Up/Down, Yoke, and Stem Mount
with high center beam optics
250-1500 Lumens with remote driver

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Residential

Interactive Menu

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



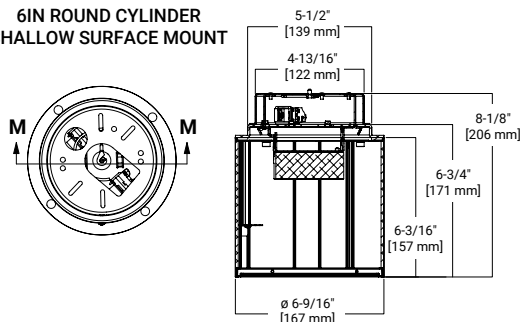
Top Product Features

- 250 to 1500 lumens; Offered in 90 and 97 CRI; Downlight
- Optics in 6°, 8°, and 5° increments from 10°-70°; Optional media holder accepts two lens media
- Round or square surface-mount cylinders; Ceiling, wall, stem, up/down, yoke mount adjustable
- Extruded aluminum housing; Matte Black, White, Bronze and Silver paint finishes, custom finishes available
- 6 color temperatures: 2400K, 2700K, 3000K, 3500K, 4000K and 5000K CCT
- Downlight or 30° adjustable reflector
- Options to meet Trade Agreements Act requirements

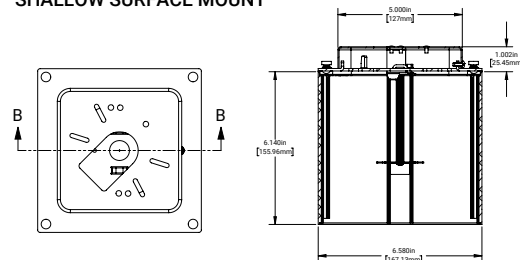
Dimensional and Mounting Details

additional product diagrams

6IN ROUND CYLINDER
SHALLOW SURFACE MOUNT



6IN SQUARE CYLINDER
SHALLOW SURFACE MOUNT



Order Information

SAMPLE ORDER NUMBER: LERS6D10D010RP

Domestic Preferences ⁽³⁰⁾	Cylinder	Lumens	Driver ⁽³⁴⁾	Remote ⁽⁸⁾	Finish ⁽¹⁰⁾
[Blank] =Standard BAA =Buy American Act TAA = Trade Agreements Act	Ceiling surface mount LERS6D =6-inch round surface ceiling mount LESQS6D = 6-inch square surface ceiling mount square aperture ⁽¹⁾ LESQRS6D = 6-inch square surface ceiling mount round aperture ⁽²⁾ Ceiling surface mount Square with conduit canopy (for round use Conduit Canopy Kit accessory) LESQSMS6D = 6-inch square surface ceiling mount square aperture with surface mount conduit canopy ⁽¹⁾ LESQRSMS6D = 6-inch square surface ceiling mount, round aperture with surface mount conduit canopy ⁽²⁾ Wall mount Downlight LERWMS6D = 6-inch round wall mount LESQRWMS6D = 6-inch square wall mount round aperture ⁽²⁾ LESQWMS6D = 6-inch square wall mount square aperture ⁽¹⁾ Wall mount Up/down ⁽²⁵⁾ LERUDS6D = 6-inch round wall mount up/down ⁽⁴⁾ LESQUDS6D = 6-inch square wall mount up/down square aperture ⁽²⁾ LESQRUDS6D = 6-inch square wall mount up/down round aperture ⁽⁴⁾ Yoke mount LERYMS6D = 6-inch round yoke mount ⁽²⁴⁾ LESQYMS6D = 6-inch square yoke mount square aperture ^{(1) (24)} LESQRYS6D = 6-inch square yoke mount round aperture ^{(2) (24)}	02 =250 lumens 02B =250 lumens for use with 6° optic ⁽⁵⁾ 05 =500 lumens 08 =800 lumens 10 =1000 lumens 15 =1500 lumens (All are remote driver only)	D010 =0-10V Dimming, 1% to 100%, 120V-277V, 500-1500 lumens 3D010 =0-10V Dimming, 1% to 100%, 347V dedicated drivers, 800-1500; 250 and 500 use step down transformer D010TR =0-10V or Line Voltage Dimming, 1% to 100%, 120-277V, 250-1500 lumens DE010 =0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-1500 lumens D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-1500 lumens DMX =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 1000-1500 lumens ⁽⁶⁾ DMXC5 =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, RJ45 Connection, 1000-1500 lumens ⁽⁶⁾ DLE =Lutron Ecosystem dimming 1% to 100%, 120V-277V, 1000-1500 lumens ⁽¹²⁾ DLV =Low voltage dimming driver (1-100%) for use with DLVP system, 1000-1500 lumens	R =Remote driver required (order separately) ⁽⁹⁾	P =White MB =Matte Black SL =Silver BZ =Bronze

SAMPLE ORDER NUMBER: EC6DR3002109035

Domestic Preferences ⁽³⁰⁾	Power Module	Optics	Lumen Levels ⁽¹⁵⁾	Color	Media
[Blank] =Standard BAA =Buy American Act TAA = Trade Agreements Act	EC6D =6-inch cylinder light engine	X =No optic order separately ⁽³⁸⁾ R06 =6° limited to 250 lumens R08 =8° limited to 1000 lumens R10 =10° limited to 1000 lumens R15 =15° limited to 1000 lumens R20 =20° limited to 1000 lumens R25 =25° R30 =30° R35 =35° R40 =40° R45 =45° R50 =50° R55 =55° R60 =60° R65 =65° R70 =70°	For use with 6° Optic 02 =250 Lumens For use with 8°, 10°, 15° and 20° Optic 0210 =250, 500, 800, 1000 Lumens For use with 25° - 70° Optic 0215 =250, 500, 800, 1000, 1500 Lumens	90 CRI 9024 = 90CRI, 2400K 9027 = 90CRI, 2700K 9030 = 90CRI, 3000K 9035 = 90CRI, 3500K 9040 = 90CRI, 4000K 9050 = 90CRI, 5000K 97 CRI 9727 = 97CRI, 2700K 9730 = 97CRI, 3000K	Blank =Engine accepts optic only (preferred if media will not be used) 2M =Engine accepts up to 2 lenses or media (optic is recessed in engine)

SAMPLE ORDER NUMBER: 6LBSS3H

Domestic Preferences ⁽³⁰⁾	Trim	Reflector	Finish
[Blank] =Standard BAA =Buy American Act (SS3 spun trim only)	6LB =4" Reflector	SS3 =Round shallow spun aluminum SCS3 =Round shallow die cast SCSSQ3 =Square shallow die cast (for use with LESQDS, LESQS)	LI =Specular Clear ⁽¹⁷⁾ H =Semi-Specular Clear ⁽¹⁷⁾ WMH =Warm Haze ⁽¹⁷⁾ WH =Wheat ⁽¹⁷⁾ GPH =Graphite Haze ⁽¹⁷⁾ B =Specular Black ⁽¹⁷⁾ MW =Matte White MB =Matte Black ⁽¹⁹⁾ MMS =Matte Metallic Silver ⁽¹⁹⁾

continued on next page

Order Information

REQUIRED Remote Driver (R)

Domestic Preferences ⁽⁸⁰⁾	Remote Drivers ⁽⁸⁾	Lumens	Voltage	Driver	Options ^{(31) (33)}	Controls ^{(31) (33)}
[Blank]=Standard TAA= Trade Agreements Act	RD100=Remote 100 ft RD75= Remote 75 ft RD50= Remote 50 ft RD25= Remote 25 ft RD15= Remote 15 ft RD5= Remote 5 ft RD2= Remote 2 ft	02=250 lumens 02B=250 lumens for use with 6" optic ⁽⁵⁾ 05=500 lumens ⁽²⁹⁾ 08=800 lumens 10=1000 lumens 15=1500 lumens	blank=120-277V (up to 1500 lumens) 3=347V ⁽³⁴⁾	D010=0-10V Dimming, 1% to 100%, 120V-277V, 500-1500 lumens 3D010=0-10V Dimming, 1% to 100%, 347V dedicated drivers, 800-1500; 500 use step down transformer D010TR=0-10V or Line Voltage Dimming, 1% to 100%, 120-277V, 250-1500 lumens DE010=0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-1500 lumens D5LT=Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-1500 lumens DMX=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 1000-1500 lumens ⁽⁶⁾ DMXC5=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, RJ45 Connection, 1000-1500 lumens ⁽⁶⁾ DLE=Lutron Ecosystem dimming 1% to 100%, 120V-277V, 1000-1500 lumens ⁽¹²⁾ DLV=Low voltage dimming driver (1-100%) for use with DLVP system, 1000-1500 lumens	EMBOD=Bodine® 7W Emergency Module with Remote Test Switch EMBOD6ST=Bodine® 6W Self Test Emergency Module with Remote Test Switch EM7=7W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Remote Test Switch EMBOD7ST=Bodine® Self Test Emergency Module EMV7=7W Low Voltage Emergency Module with Remote Test Switch ⁽²¹⁾ EMV14=14W Low Voltage Emergency Module with Remote Test Switch ⁽²¹⁾ ETRD=Emergency transfer device ⁽³²⁾	WPST=Factory installed Wavelinx (includes control module, sensor, cable, tile mount and ceiling mount sensor) ^{(14) (28)} WLST=Factory installed Wavelinx Lite Sensor Kit ^{(14) (27)} WPN = WaveLinX PRO Wireless Node without sensor ^{(14) (39)} WLN = WaveLinX LITE Wireless Node without sensor ^{(14) (40)}

Domestic Preferences ⁽³⁰⁾	Accessories	Type	Lengths
[Blank]=Standard TAA= Trade Agreements Act BAA=Buy American Act	Pendant Kit ^{(18) (20)} P436P=White pendant stem kit for suspended mount cylinder P436BZ=Bronze pendant stem kit for suspended mount cylinder P436MB=Matte black pendant stem kit for suspended mount cylinder P436SL=Silver pendant stem kit for suspended mount cylinder Aircraft cable ^{(18) (24)} AC4120P=120" white aircraft cable kit AC448P=48" white aircraft cable kit AC4120MB=120" black aircraft cable kit AC448MB=48" black aircraft cable kit	RM = for Remote drivers	Blank=36" SP*=* Specify 6" to 144" in 1" increments
[Blank]=Standard TAA= Trade Agreements Act	LNE6RUD=up/down gasketed lens, wet location, round LNS6SQUD = up/down gasketed lens, wet location square Connected Lighting Systems ⁽¹⁴⁾ WPST=Field installed WaveLinX sensor Kit ⁽²⁷⁾ WLST=Field installed WaveLinX Lite Sensor Kit ⁽²⁸⁾	Optics 46R25=25° 46R30 = 30° 46R35 = 35° 46R40 = 40° 46R45 = 45° 46R50 = 50° 46R55 = 55° 46R60 = 60° 46R65 = 65° 46R70 = 70° Color Filters ⁽⁴¹⁾ F22-20=Red F33-20=Blue F44-20=Green F55-20=Yellow F66-20=Mercury Dichronic Filters ⁽⁴¹⁾ F71-20=Peach F72-20=Amber F73-20=Green F74-20=Medium Blue F75-20=Yellow F76-20=Red F77-20=Dark Blue F78-20=Light Blue F79-20=Neutral Density F80-20=Magenta	Beam-Modifying Lenses ⁽⁴¹⁾ LSL-20=Linear Spread Lens OSL-20=Overall Spread Lens DIF-20=Diffused Lens Asymmetric Film ⁽⁴¹⁾ 46ASYMFILM=Asymmetric Film (see chart for distribution) Louvers ⁽⁴¹⁾ LVR-20=Hex Cell Louver

Notes

1. Square reflector
2. Round reflector
3. Square reflector, requires two reflectors and light engines
4. Round reflector, requires two reflectors and light engines
5. For use with DE010 and D5LT drivers
6. DMX fixtures default to full on upon loss of DMX signal
8. Up down surface mount require 2 driver assemblies
9. Order remote driver separately. See below to order.
10. Consult factory for custom finishes.
12. Only available up to 25 ft.
14. Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
15. Nominal Lumens will vary depending on selected color, driver and reflector finish.
17. Not available on cast reflectors
18. Order with ceiling mount cylinder.

19. Available only on cast reflectors
20. 0-45° slope.
21. ULus listed only
24. Ceiling mount only
25. Lumen specified for up/down is the same for both directions. Ex. 800 lumens will be 800 lumens up & 800 lumens down.
26. Remote only.
27. WLST = WaveLinX Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX Lite system specifications)
28. WPST = WaveLinX wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only
30. To order product that is compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act (TAA), use the online specification configurator to specify BAA or TAA. Please refer to [DOMESTIC PREFERENCES LINK](#) for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements.

31. 120V-277V
32. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).
33. Non-IC
34. Dedicated 347V D010 driver 800-1500 lumens. 250 and 500 use step down transformer. All other drivers use step down transformer. D010 800 to 1500 lumens. 250 and 500 lumens use step down transformer) All other drivers use step down transformer.
38. Offered with 25° and above distributions.
39. 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.
40. 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.
41. Requires 2M designation on light engine.

Product Specifications

Lower Reflector

- Painted die-cast aluminum or spun aluminum lower reflector with a lensed upper optical chamber provides superior lumen output with minimal source brightness
- Square surface mount available with square or round reflectors
- Spun reflectors are available in all Portfolio finishes
- Directional with baffle tilts from 0-30°

Optic

- Interchangeable silicone optic in 5° increments from 10°-70° providing smooth beam without color separation
- Available media holder fits onto optic holder and holds up to two lens media

Trim retention

- Two torsion springs hold flange tightly to the cylinder lip

Cylinder

- Shallow round and soft square extruded aluminum
- Matte white, bronze, silver or matte black
- Available in standard and shallow heights
- Consult factory for custom finishes
- Yoke mount provides +/-45° lockable tilt

Mounting

- Mounting plate installs to mounted junction box
- Cylinder mounts to plate with easy twist and lock hooks for ceiling mount
- For wall mount, mounting arm attaches directly to junction box via a robust mounting plate
- Offered with optional stem and aircraft cable
- Conduit canopy allows for mounting pendant and surface cylinder on hard ceilings provided in painted finish to match the cylinder accommodates ½" or ¾" conduit.

Thermal

- Aluminum heat sink conducts heat away from the LED module for optical performance and longer life

LED System

- Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded
- Quick disconnect allows for tool-less replacement of LED engine from below ceiling
- 90 and 97 CRI
- 90 & 97CRI: L78 55,000 hours for 1000-2000 lumens, L90 55,000 for all other lumen output
- Color variation within 2-step MacAdam ellipses
- Available in 2400K, 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)

Vividtune and High CRI

- 98 CRI and W2N: L70 55,000 hours
- D2W™ – dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.
- W2N - Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI. Standard
- **98 CRI** With a full-spectrum approach using broad-blue chip technology and special phosphor blends, Thrive is able to closely match the spectrum of the sun across all color temperatures. Benefits of the natural spectrum of the sun using Thrive include superior accurate color rendering, reduced eye strain, and a higher sense of emotional well-being.
- See dedicated specification sheet for more details.

Driver

- Standard 120-277V 0-10V dimming driver provides flicker-free dimming from 100% to 1%
- Optional 120V leading edge, <1% 0-10V, Fifth Light, DMX or Lutron®
- Remote driver up to 100' based on driver selection
- Distributed low voltage power system combines power, lighting, and controls with ease of installation.

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 WPST tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time 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 WLST 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 WPST and WLST 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 WPST and WLST 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.**

Compliance

- Pendant mount cULus Listed for damp locations
- Ceiling mount cULus Listed for wet locations and IP66 compliant in covered ceiling
- Wall mount cULus Listed for wet locations, requires lens accessory
- EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits
- RoHS compliant
- Photometric testing completed in accordance with IES LM-79
- LED life testing completed in accordance with IES LM-80 standards

Warranty

- Five year warranty www.cooperlighting.com/legal

Energy and Performance Data

D010 DRIVER ENERGY DATA

Series	250 Lumen		500 Lumen		750 Lumen		1000 Lumen		1500 Lumen	
Input Voltage 120-277 VAC	120	277	120	277	120	277	120	277	120	277
Input Current (A)	0.029	0.017	0.054	0.027	0.065	0.031	0.09	0.045	0.129	0.057
Input Power (W)	3.4	3.9	6.5	6.9	7.7	8.1	10.7	11.1	15.5	15.4
In-rush (A)	2.1	9.15	2.1	9	2.1	9	2.1	9.1	2.1	9.3
Inrush duration	250	127	254	128	249	142	255	153	255	236
THDi (%)	8.2	19.9	7.8	14	8.1	11.2	6.6	9.7	11.5	6.6
PF	0.99	0.83	0.99	0.91	0.99	0.93	1.0	0.97	0.99	0.98

Minimum starting temperature -30°C (-22°F)*
(Nominal input 120-277VAC & 100% of rated output power)

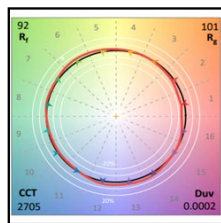
Sound Rating: Class A standards

Notes:

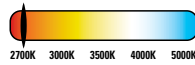
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

COLOR METRICS - TM-30-15 & CRI/CIE

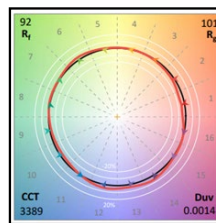
90 CRI Color Metric Summary - 2700K*



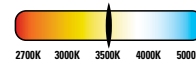
TM-30-15	Rf = 92.4
	Rg = 101.2
CRI/CIE	Ra = 93.7
	R9 = 59.1



90 CRI Color Metric Summary - 3500K*



TM-30-15	Rf = 92.1
	Rg = 101.1
CRI/CIE	Ra = 92.9
	R9 = 61.9

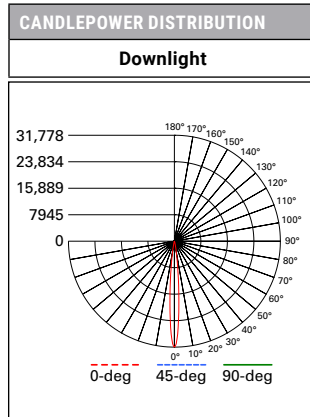


* Color values are based on haze reflector, other finishes and field results may vary.

Photometric Data



10° with 6LBS reflector	
Test Number	P736024
Housing	LE*6D15D010
Module	EC6DR4002159035
Lumens	1459
Efficacy	92.4 Lm/W
SC	0.17
UGR	10



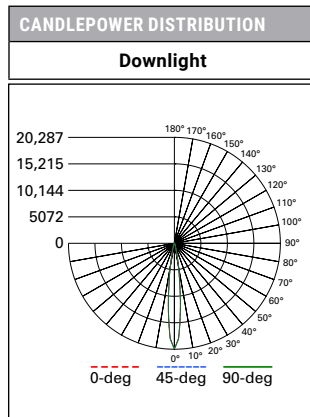
CONE OF LIGHT

D	FC	L	W
6'	882.7	0.8	0.8
8'	496.5	1.2	1.2
10'	317.8	1.6	1.6
12'	220.7	1.8	1.8
15'	141.2	2.4	2.4

CANDELA TABLE

Degrees Vertical	0-deg
0	31778
5	15012
15	820
25	166
35	58
45	22
55	7
65	0
75	0
80	0

15° with 6LBS reflector	
Test Number	P736026
Housing	LE*6D15D010
Module	EC6DR4002159035
Lumens	1489
Efficacy	94.2 Lm/W
SC	0.22
UGR	10



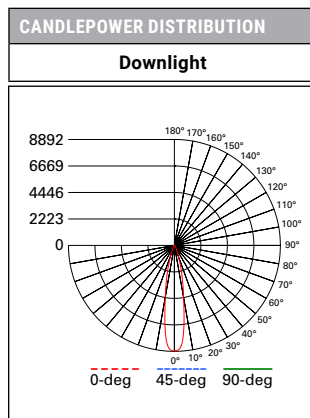
CONE OF LIGHT

D	FC	L	W
6'	563.5	1.2	1.2
8'	317	1.6	1.6
10'	202.9	2.2	2.2
12'	140.9	2.6	2.6
15'	90.2	3.2	3.2

CANDELA TABLE

Degrees Vertical	0-deg
0	20287
5	13199
15	1146
25	135
35	27
45	13
55	9
65	5
75	3
80	2

20° with 6LBS reflector	
Test Number	P736028
Housing	LE*6D15D010
Module	EC6DR4002159035
Lumens	1562
Efficacy	98.9 Lm/W
SC	0.34
UGR	10



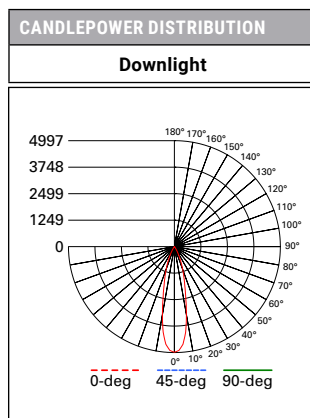
CONE OF LIGHT

D	FC	L	W
6'	247	2	2
8'	138.9	2.6	2.6
10'	88.9	3.4	3.4
12'	61.8	4	4
15'	39.5	5	5

CANDELA TABLE

Degrees Vertical	0-deg
0	8892
5	7992
15	2211
25	405
35	104
45	28
55	7
65	2
75	0
80	0

25° with 6LBS reflector	
Test Number	P736030
Housing	LE*6D15D010
Module	EU6DR250215IC9035
Lumens	1317
Efficacy	83.4 Lm/W
SC	0.42
UGR	10



CONE OF LIGHT

D	FC	L	W
6'	138.8	2.4	2.4
8'	78.1	3.2	3.2
10'	50	4.2	4.2
12'	34.7	5	5
15'	22.2	6.2	6.2

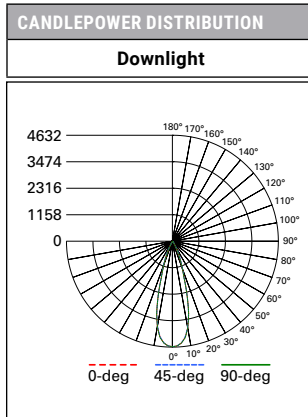
CANDELA TABLE

Degrees Vertical	0-deg
0	4997
5	4636
15	1889
25	605
35	95
45	22
55	5
65	2
75	0
80	0

Photometric Data



30° with 6LBS reflector	
Test Number	P736032
Housing	LE*6D15D010
Module	EU6DR300215IC9035
Lumens	1441
Efficacy	91.2 Lm/W
SC	0.52
UGR	10



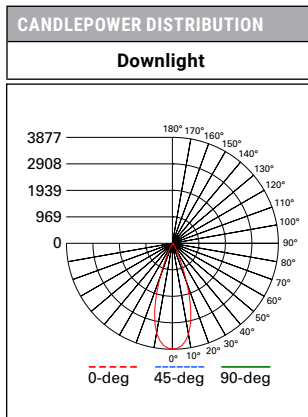
CONE OF LIGHT

D	FC	L	W
6'	128.7	3	3
8'	72.4	4	4
10'	46.3	5.2	5.2
12'	32.2	6.2	6.2
15'	20.6	7.8	7.8

CANDELA TABLE

Degrees Vertical	0-deg
0	4632
5	4482
15	2456
25	577
35	97
45	26
55	4
65	1
75	0
80	0

35° with 6LBS reflector	
Test Number	P736034
Housing	LE*6D15D010
Module	EU6DR350215IC9035
Lumens	1409
Efficacy	89.2 Lm/W
SC	0.6
UGR	10



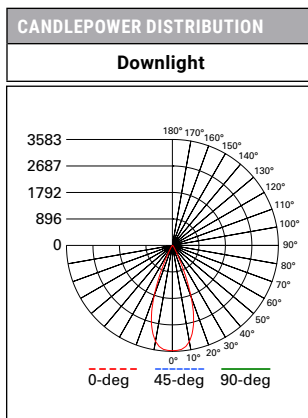
CONE OF LIGHT

D	FC	L	W
6'	107.7	3.4	3.4
8'	60.6	4.6	4.6
10'	38.8	5.8	5.8
12'	26.9	7	7
15'	17.2	8.8	8.8

CANDELA TABLE

Degrees Vertical	0-deg
0	3877
5	3772
15	2558
25	530
35	98
45	34
55	12
65	4
75	0
80	0

40° with 6LBS reflector	
Test Number	P736036
Housing	LE*6D15D010
Module	EU6DR400215IC9035
Lumens	1539
Efficacy	97.4 Lm/W
SC	0.68
UGR	10



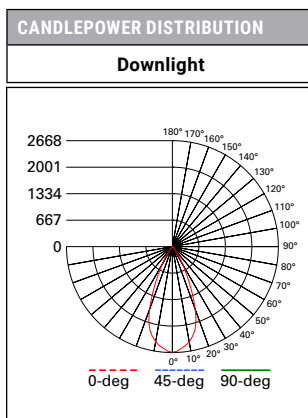
CONE OF LIGHT

D	FC	L	W
6'	99.5	4	4
8'	56	5.4	5.4
10'	35.8	6.6	6.6
12'	24.9	8	8
15'	15.9	10	10

CANDELA TABLE

Degrees Vertical	0-deg
0	3583
5	3552
15	2768
25	738
35	98
45	21
55	5
65	1
75	0
80	0

45° with 6LBS reflector	
Test Number	P736038
Housing	LE*6D15D010
Module	EU6DR450215IC9035
Lumens	1509
Efficacy	95.5 Lm/W
SC	0.75
UGR	10



CONE OF LIGHT

D	FC	L	W
6'	74.1	4.4	4.4
8'	41.7	5.8	5.8
10'	26.7	7.4	7.4
12'	18.5	8.8	8.8
15'	11.9	11.2	11.2

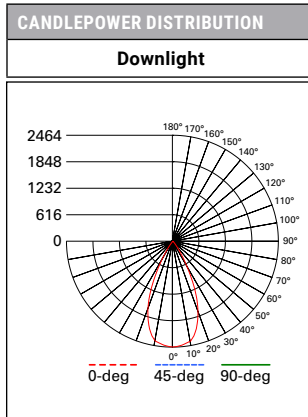
CANDELA TABLE

Degrees Vertical	0-deg
0	2668
5	2582
15	2192
25	1019
35	228
45	36
55	7
65	1
75	0
80	0

Photometric Data



50° with 6LBS reflector	
Test Number	P736040
Housing	LE*6D15D010
Module	EU6DR500215IC9035
Lumens	1529
Efficacy	96.8 Lm/W
SC	0.8
UGR	10



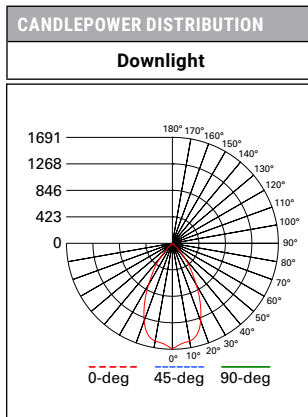
CONE OF LIGHT

D	FC	L	W
6'	68.4	4.6	4.6
8'	38.5	6.2	6.2
10'	24.6	7.8	7.8
12'	17.1	9.4	9.4
15'	11	11.8	11.8

CANDELA TABLE

Degrees Vertical	0-deg
0	2464
5	2429
15	2109
25	1169
35	228
45	34
55	6
65	1
75	0
80	0

55° with 6LBS reflector	
Test Number	P736041
Housing	LE*6D15D010
Module	EU6DR550215IC9035
Lumens	1508
Efficacy	95.4 Lm/W
SC	0.89
UGR	12



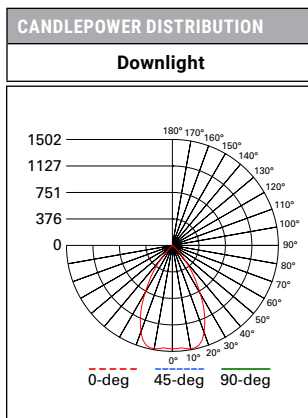
CONE OF LIGHT

D	FC	L	W
6'	47	5.2	5.2
8'	26.4	7	7
10'	16.9	8.8	8.8
12'	11.7	10.6	10.6
15'	7.5	13.2	13.2

CANDELA TABLE

Degrees Vertical	0-deg
0	1691
5	1617
15	1518
25	1055
35	522
45	132
55	15
65	1
75	0
80	0

60° with 6LBS reflector	
Test Number	P736045
Housing	LE*6D15D010
Module	EU6DR600215IC9035
Lumens	1479
Efficacy	93.6 Lm/W
SC	0.98
UGR	12



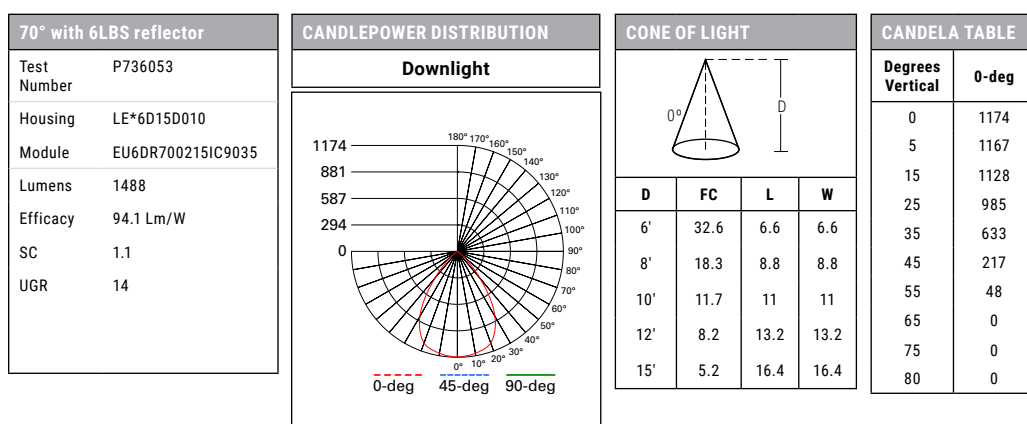
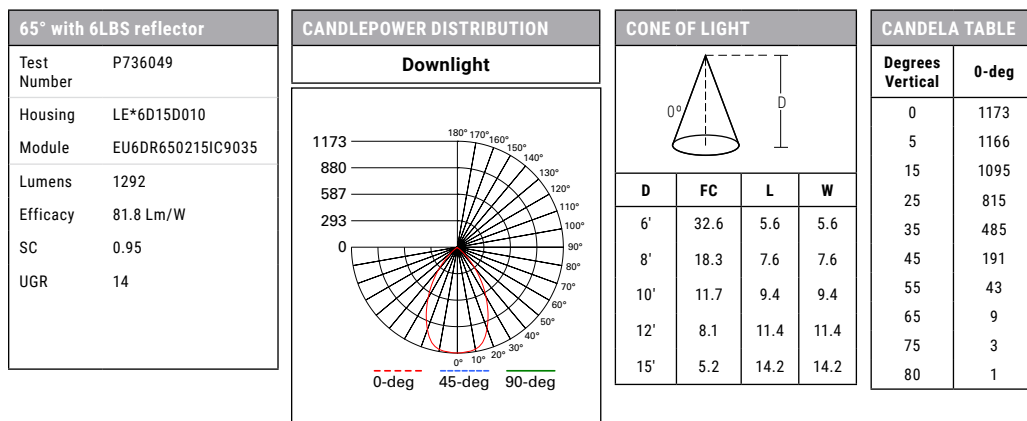
CONE OF LIGHT

D	FC	L	W
6'	41.1	5.8	5.8
8'	23.1	7.8	7.8
10'	14.8	9.8	9.8
12'	10.3	11.6	11.6
15'	6.6	14.6	14.6

CANDELA TABLE

Degrees Vertical	0-deg
0	1480
5	1471
15	1475
25	1083
35	528
45	108
55	14
65	1
75	0
80	0

Photometric Data



Photometric Multipliers (Nominal Lumen Values)

250 Lumen	500 Lumen	800 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen	4000 Lumen	4500 Lumen
0.26	0.47	0.56	0.74	1.00	1.37	1.77	1.99	1.31	1.54	1.68

5000 Lumen	5500 Lumen	6000 Lumen	6500 Lumen	7000 Lumen	7500 Lumen	8000 Lumen	8500 Lumen	9000 Lumen	9500 Lumen
1.98	2.23	2.46	2.72	2.77	2.93	3.11	3.31	3.51	3.60

Multipliers for relative lumen values with other series models.

CCT Multipliers – 90CRI

2400K	2700K	3000K	3500K	4000K	5000K
0.81	0.92	0.92	0.96	1	1.01

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 97CRI

2700K	3000K	3500K	4000K	5000K
0.88	0.95	1	1.016	1.07

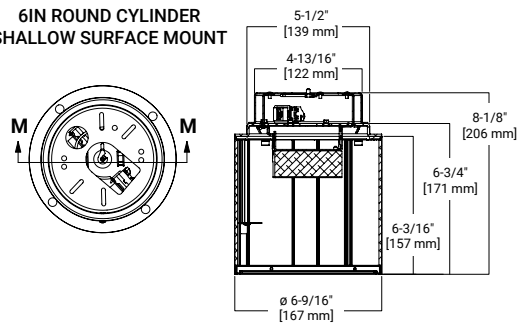
Multipliers for relative lumen values with other series color temperatures.

Asymmetric Film Distribution

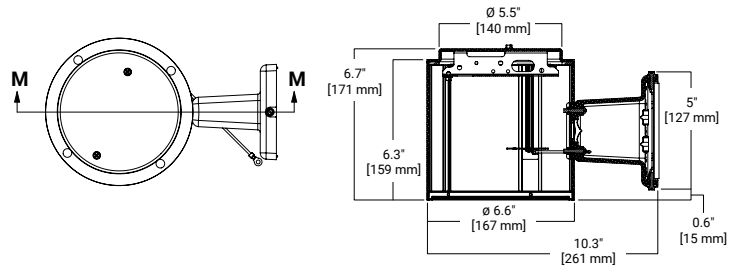
TIR	Short Axis Beam angle	Long Axis Beam angle
R10	12°	27.4°
R15	15°	28°
R20	21°	32°
R30	32°	37°
R35	32°	40°
R40	28°	37°
R45	41°	45°
R50	42°	46°

Dimensional and Mounting Details

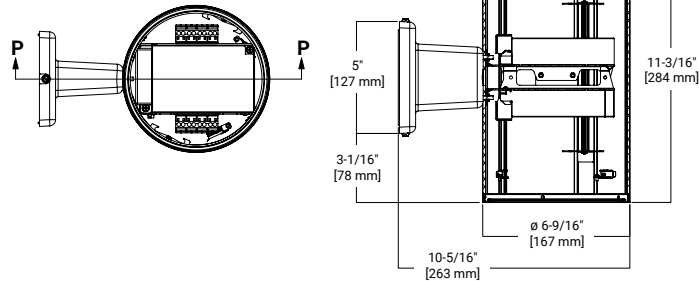
**6IN ROUND CYLINDER
SHALLOW SURFACE MOUNT**



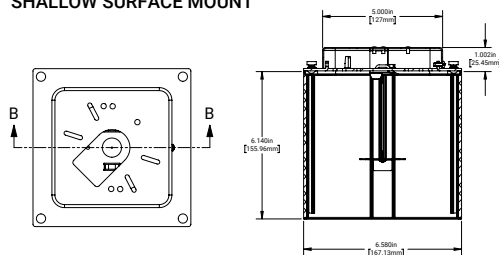
**6IN ROUND CYLINDER
SHALLOW WALL MOUNT**



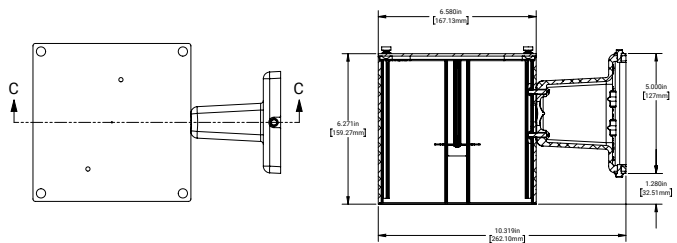
**6IN ROUND CYLINDER
SHALLOW UP DOWN**



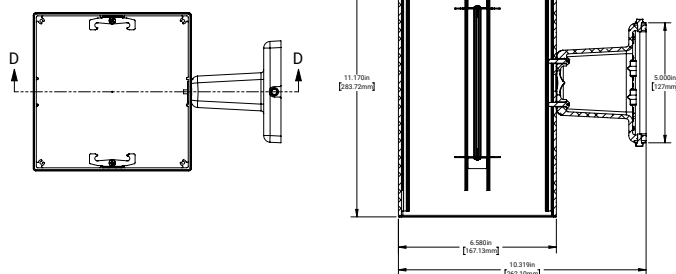
**6IN SQUARE CYLINDER
SHALLOW SURFACE MOUNT**



**6IN SQUARE CYLINDER
SHALLOW WALL MOUNT**

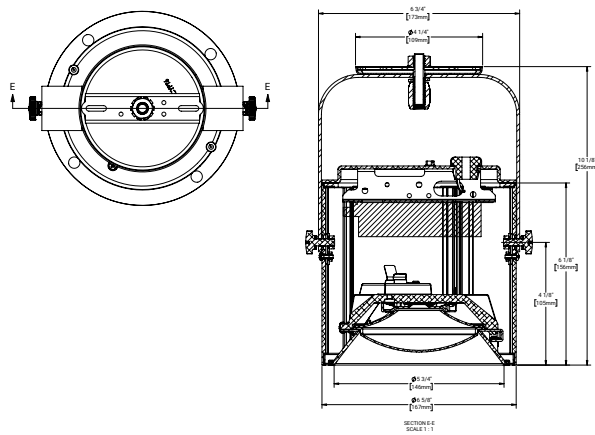


**6IN SQUARE CYLINDER
SHALLOW UP DOWN**

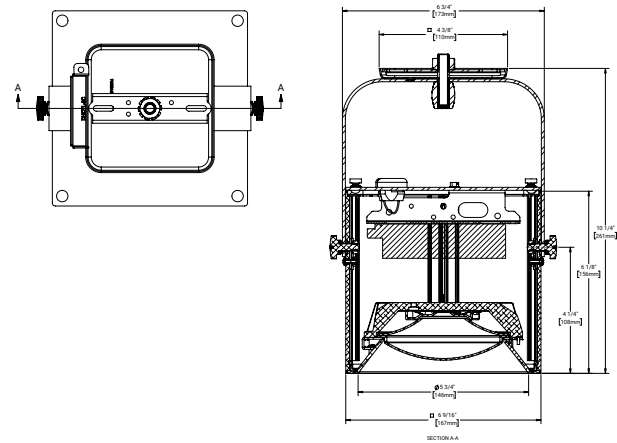


Dimensional and Mounting Details

6IN ROUND CYLINDER
SHALLOW YOKE MOUNT



6IN SQUARE CYLINDER
SHALLOW YOKE MOUNT



Connected Systems

WaveLinX LITE - WLST Tilemount Sensor

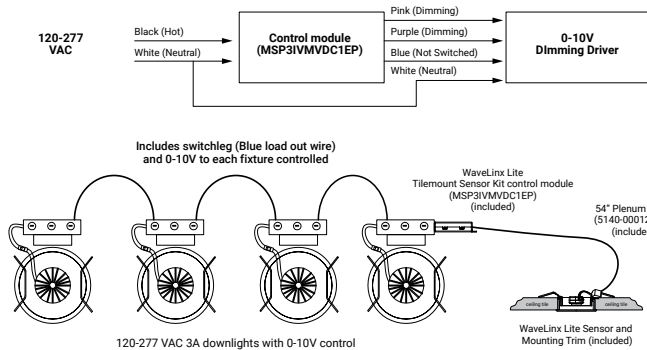
WaveLinX LITE devices only compatible with the WaveLinX LITE system.



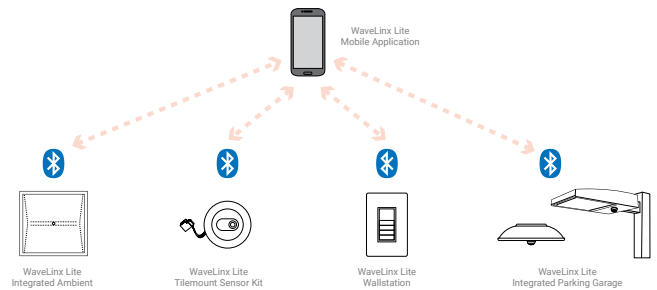
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic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



WaveLinX LITE WLST Tilemount Wiring Diagram



WaveLinX LITE Bluetooth Enabled System



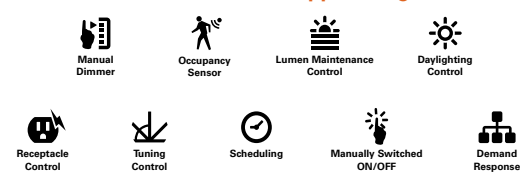
WaveLinX PRO Wireless – WPST Tilemount Sensor

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

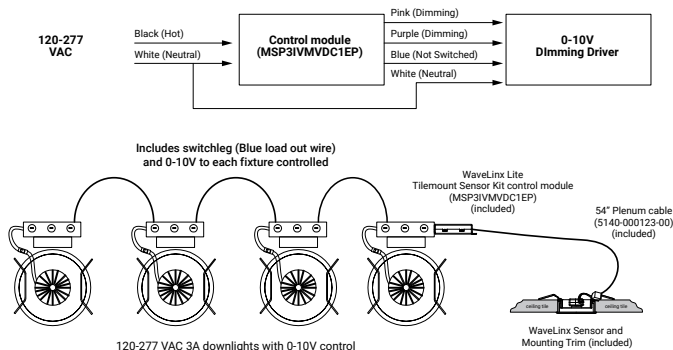


- WaveLinX PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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

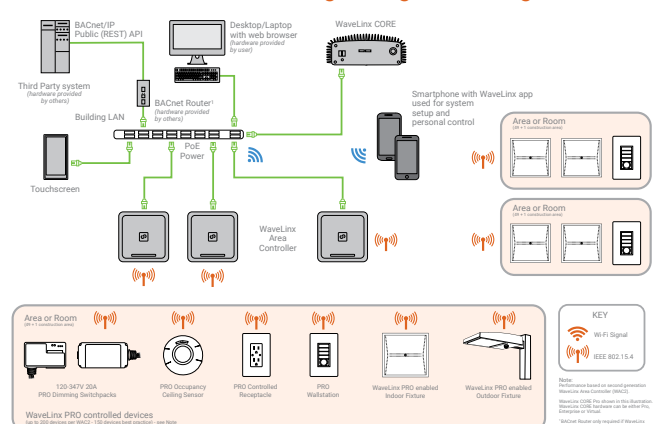
WaveLinX mobile app settings



WaveLinX PRO WPST Tilemount Wiring Diagram



WaveLinX CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

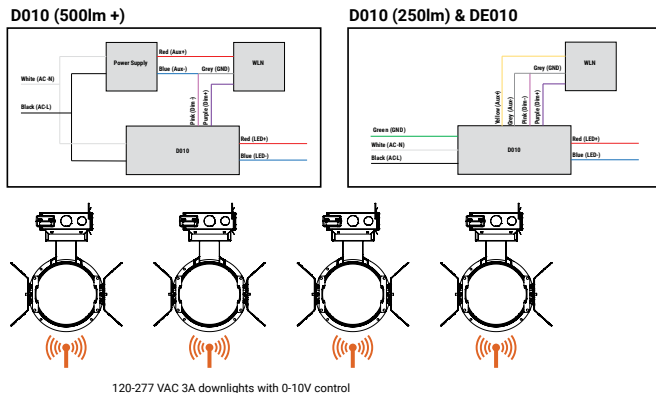
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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
- **Not available with BioUp or Tunable White**

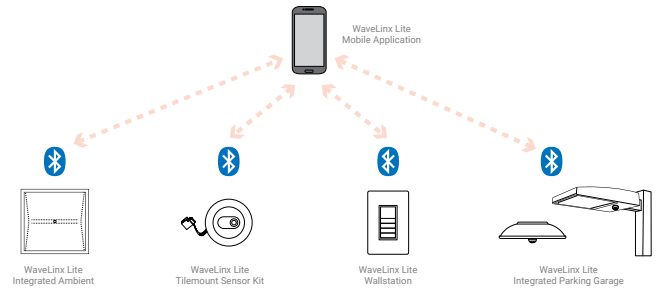
WaveLinX mobile app settings



WaveLinX LITE Wireless Node (WLN) Wiring Diagram



WaveLinX LITE Bluetooth Enabled System

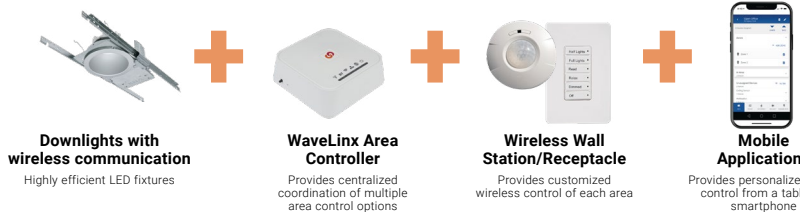
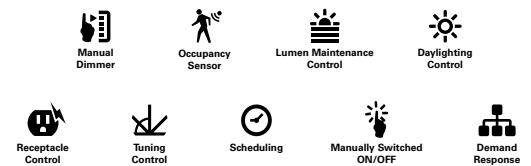


WaveLinX PRO Wireless Node - WPN

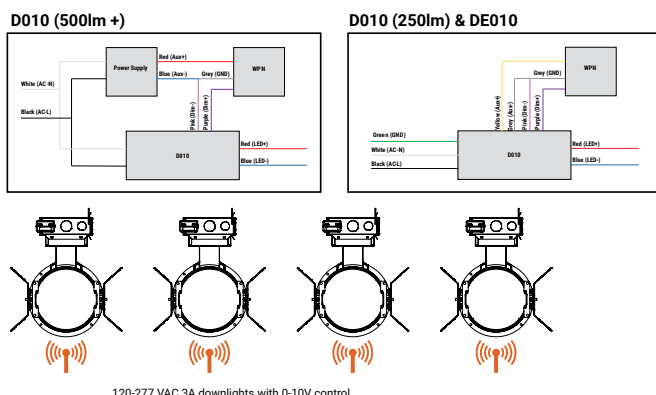
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

- 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

