

Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio LER6D/LESQ6D/LSRYM6D/ LSSQYM6D Cylinders

6" Round and Square Cylinder
 Surface, Ceiling, Wall, Up/Down, Yoke, and Stem Mount
 with high center beam optics
 250-6500 Lumens

Typical Applications
 Office • Education • Healthcare • Hospitality • Retail • Residential

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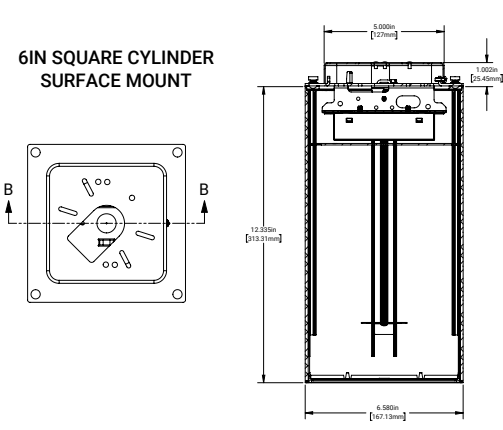
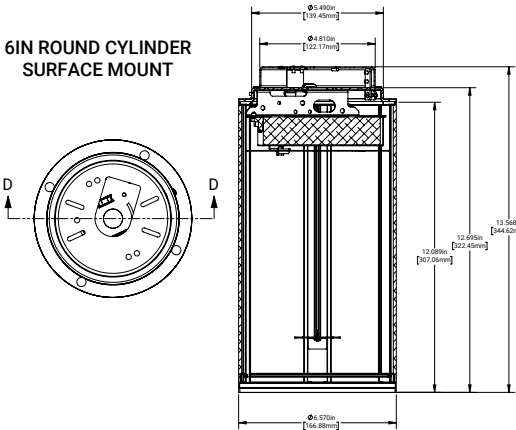


Top Product Features

- 250 to 6500 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
- Options to meet Trade Agreements Act requirements

Dimensional and Mounting Details

additional product diagrams



Portfolio LER6D/LESQ6D/LSRYM6D/LSSQYM6D Cylinders

Order Information

SAMPLE ORDER NUMBER: LER6D10D010TRP

Domestic Preferences ⁽³⁰⁾	Cylinder	Lumens	Driver ⁽³⁴⁾	Remote ⁽⁸⁾	Finish ⁽¹⁰⁾	Factory Installed Options ^{(31) (33)}
[Blank] =Standard BAA =Buy American Act TAA = Trade Agreements Act	Ceiling surface mount LER6D =6-inch round surface mount LESQ6D = 6-inch square surface mount square aperture ⁽¹⁾ LESQR6D = 6-inch square surface mount round aperture ⁽²⁾ Ceiling surface mount Square with conduit canopy (for round use Conduit Canopy Kit accessory) LESQSM6D = 6-inch square surface mount square aperture with surface mount conduit canopy ⁽¹⁾ LESQRSM6D = 6-inch square surface mount, round aperture with surface mount conduit canopy ⁽²⁾ Wall mount Downlight LERWM6D = 6-inch round wall mount LESQRWM6D = 6-inch square wall mount round aperture ⁽²⁾ LESQWM6D = 6-inch square wall mount square aperture ⁽¹⁾ Wall mount Up/down ⁽²⁵⁾ LERUD6D = 6-inch round wall mount up/down ^{(4) (37)} LESQUD6D = 6-inch square wall mount up/down square aperture ^{(3) (37)} LESQRUD6D = 6-inch square wall mount up/down round aperture ^{(4) (37)} Yoke mount LERYM6D = 6-inch round yoke mount ⁽²⁴⁾ LESQYM6D = 6-inch square yoke mount square aperture ^{(1) (24)} LESQRYM6D = 6-inch square yoke mount round aperture ^{(2) (24)}	02 =250 lumens 02B =250 lumens for use with 6° optic ⁽⁷⁾ 05 =500 lumens 08 =800 lumens 10 =1000 lumens 15 =1500 lumens 20 =2000 lumens 25 =2500 lumens ⁽²²⁾ 30 =3000 lumens ⁽²²⁾ 35B =3500 lumens ⁽²³⁾ 40B =4000 lumens ⁽²³⁾ 45B =4500 lumens ⁽²³⁾ 50 =5000 lumens ⁽²³⁾ 55 =5500 lumens ⁽²³⁾ 60 =6000 lumens ⁽²³⁾ (with remote driver only) 65 =6500 lumens ⁽²³⁾ (with remote driver only)	D010 =0-10V Dimming, 1% to 100%, 120V-277V, 500-5000 lumens, Up/Down integral 500-1500 lumens 3D010 =0-10V Dimming, 1% to 100%, 347V, 800-3500 lumens, Up/Down integral 800-1500 lumens (250, 500, 4000-5000 lumens require Remote Driver) D010TR =0-10V (120-277V) or line voltage (120V) dimming, 1% to 100% (250-5000 lumens, Up/Down integral 250-1500 lumens) DE010 =0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-5000 lumens, Up/Down integral 500-1500 Lumens DSLT =Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 250 lumens, Up/Down integral 500-1500 lumens DMX =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 1000-5000 lumens, Up/Down integral 500-1500 lumens ⁽⁶⁾ DMXC5 =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection, 1000-5000, Up/Down integral 500-1500 lumens ⁽⁶⁾ DLE =Lutron Ecosystem dimming 1% to 100%, 120-277V; 1000-3500 lumens, Up/Down integral 500-1500 lumens DLV =Low Voltage System, 1000-3500 lumens, Up/Down integral 500-1000 lumens, remote 500-1500 lumens	blank =Integral driver R =Remote driver ⁽⁹⁾	P =White MB =Matte Black SL =Silver BZ =Bronze	WPN = WaveLinX PRO Wireless Node without sensor ^{(14) (39)} WLN = WaveLinX LITE Wireless Node without sensor ^{(14) (40)} IEMBOD6ST = Bodine® 6W Self Test Emergency Module with Integral Test Switch (requires EM6 trim option) • DP & S: limited to 3000 lumens • SQW: limited to 1500 lumens

SAMPLE ORDER NUMBER: EC6DR3015309035

Domestic Preferences ⁽³⁹⁾	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 ⁽²³⁾ R06 =6° limited to 250 lumens R08 =8° limited to 1000 lumens R10 =10° limited to 2000 lumens R15 =15° limited to 3000 lumens R20 =20° limited to 3000 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° Optic 0210 =250, 500, 800, 1000 Lumens For use with 10° Optic 0210 =250, 500, 800, 1000 Lumens 1520 =1500, 2000 Lumens For use with 15° and 20° Optic 0210 =250, 500, 800, 1000 lumens 1530 =1500, 2000, 2500, 3000 Lumens For use with 25° to 70° Optic 0215 =250, 500, 800, 1000, 1500 Lumens 2050 =2000, 2500, 3000, 3500, 4000, 4500, 5000 Lumens 5565 =5500, 6000, 6500 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: 6LBDP3LI

Domestic Preferences ⁽³⁰⁾	Trim	Reflector	Finish	Options
[Blank] =Standard BAA =Buy American Act (S3 spun trim only)	6LB =6" Reflector	DP3 =45° Cutoff Downlight ⁽⁴¹⁾ S3 =Shallow Downlight CS3 =Cast Shallow Downlight Square (for use with LESQUD, LESQ) SQW3 = 45° Cutoff Anodized Aluminum Downlight ⁽⁴¹⁾ CSSQ3 =Shallow Die Cast Aluminum	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 ⁽¹⁸⁾ MMS =Matte Metallic Silver ⁽¹⁸⁾	EM6 =Integral Emergency Test Switch Hole ⁽¹⁹⁾ For use with: • DP (not for use with LI or WH): up to 3000 lumens • S: up to 3000 lumens • SQW: up to 1500 lumens

Order Information

REQUIRED if Remote Driver (R) is specified on Cylinder

Domestic Preferences ⁽⁸⁰⁾	Remote Drivers ⁽⁸⁰⁾	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 ⁽⁷⁾ 05=500 lumens 08=800 lumens 10=1000 lumens 15=1500 lumens 20=2000 lumens 25=2500 lumens ⁽²²⁾ 30=3000 lumens ⁽²²⁾ 35B=3500 lumens ⁽²³⁾ 40B=4000 lumens ⁽²³⁾ 45B=4500 lumens ⁽²³⁾ 50=5000 lumens ⁽²³⁾ 55=5500 lumens ⁽²³⁾ 60=6000 lumens ⁽²³⁾ 65=6500 lumens ⁽²³⁾	[Blank]=120-277V (up to 1500 lumens) 1=120V (2000-6500 lumens) 2=277V (2000-6500 lumens) 3=347V ⁽³⁴⁾	D010=0-10V Dimming, 1% to 100%, 120V-277V, 500-6500 lumens 3D010=0-10V Dimming, 1% to 100%, 347V dedicated drivers, 800-4500 lumens; 250, 500, and 5000 and above use step down transformer with remote driver D010TR=0-10V or Line Voltage Dimming, 1% to 100%, 120-277V, 250-6500 lumens DE010=0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-6500 lumens DSLTF=Fiht Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 120V-277V, 250 lumen (02B only), 800-6500 lumens DMX=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 1000-6500 lumens ⁽⁶⁾ DMXC5=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, RJ45 Connection, 1000-6500 lumens ⁽⁶⁾ DLE=Lutron Ecosystem dimming 1% to 100%, 120V-277V, 1000-3500 lumens ⁽¹³⁾ 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 ^{(16) (20) (26)} P836P =White pendant stem kit for suspended mount cylinder P836BZ =Bronze pendant stem kit for suspended mount cylinder P836MB =Matte black pendant stem kit for suspended mount cylinder P836SL =Silver pendant stem kit for suspended mount cylinder		Blank =5 conductor for use with 0-10V driver 3C =3 conductor for use with 120 or 277V 5C = conductor for use with DSLT drivers DMX =No conductors for use with DMX RM = for Remote drivers	Blank =36" SP *=* Specify 6" to 144" in 1" increments	
	Conduit Pendant Kit ^{(16) (26)} PMRCC6P = Round pendant stem kit with conduit knockout cover, white PMRCC6MB = Round pendant stem kit with conduit knockout cover, black PMRCC6BZ = Round pendant stem kit with conduit knockout cover, bronze PMRCC6SL = Round pendant stem kit with conduit knockout cover, silver	PMSQCC6P = Square pendant stem kit with conduit knockout cover, white PMSQCC6MB = Square pendant stem kit with conduit knockout cover, black PMSQCC6BZ = Square pendant stem kit with conduit knockout cover, bronze PMSQCC6SL = Square pendant stem kit with conduit knockout cover, silver		Blank =36" SP *=* Specify 6" to 144" in 1" increments	
	Aircraft cable ^{(16) (26)} AC120P =120" white aircraft cable kit AC48P =48" white aircraft cable kit AC120MB =120" black aircraft cable kit AC48MB =48" black aircraft cable kit		Blank =5 conductor DMXC5 =DMX/RDM logarithmic Dimming with RJ45 connection		
[Blank] =Standard TAA = Trade Agreements Act	LNE6RUD =up/down gasketed lens, wet location, round LNE6SQU =up/down gasketed lens, wet location, square Conduit Kit ⁽²⁶⁾ SMRCC6P = Round conduit canopy for surface mount, white SMRCC6MB = Round conduit canopy for surface mount, black SMRCC6BZ = Round conduit canopy for surface mount, bronze SMRCC6SL = Round conduit canopy for surface mount, silver 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 ⁽³⁵⁾ F22-20 =Red F33-20 =Blue F44-20 =Green F55-20 =Yellow F66-20 =Mercury	Dichronic Filters ⁽³⁵⁾ 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 ⁽³⁵⁾ LSL-20 =Linear Spread Lens OSL-20 =Overall Spread Lens DIF-20 =Diffused Lens Asymmetric Film ⁽³⁵⁾ 46ASYMFILM =Asymmetric Film (see chart for distribution) Louvers ⁽³⁵⁾ 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. 347V integral D010 only. 800-3500 lumens for integral driver. 250, 500, 4000 lumens for remote driver.
6. DMX fixtures default to full on upon loss of DMX signal
7. For use with DE010 and DSLT drivers
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. WPN & WLN are factory installed only when using with driver specify on remote driver assembly.
15. Nominal Lumens will vary depending on selected color, and driver.
17. Anodized or spun aluminum reflectors
16. Order with ceiling mount cylinder.
18. Die cast reflectors only

19. Required for use with EM6. Not offered with remote driver.
20. 0-45° slope.
21. ULUS listed only
22. Offered with 15° and above distributions.
23. Offered with 25° and above distributions.
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. Not for use with remote driver
27. WLST = WaveLinx Lite title 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 800-4500 lumens. 250, 500 and 5000 and above use step down transformer. All other drivers use step down transformer. D010 800 to 4000 lumens. 250, 500 and 4000 lumens use step down transformer) All other drivers use step down transformer.
35. Requires 2M designation on light engine
37. DMX drivers with shallow trim only.
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. Not offered with up/down cylinder.

Product Specifications

Lower Reflector

- Painted die-cast aluminum or spun aluminum reflector 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
- Upper portion of specular clear and wheat finish, 45° (DP) reflector is painted black to ensure a quiet appearance without image reflection

Optic

- Interchangeable silicone optic in 5° increments from 10°-70° providing smooth beam without color separation
- Light engine can be ordered for use with up to 2 lens media

Trim retention

- Two torsion springs hold flange tightly to the cylinder lip

Cylinder

- Round and soft square extruded aluminum
- Matte white, bronze, silver or matte black. Contact factory for custom finishes.
- Available in standard and shallow heights
- 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 BioUp (Available Option)

- 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
- 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.

Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available Self-Test (self-diagnostic) with charge indicator and test switch
- Emergency Transfer Relay Device bypasses local control during a power outage
- UL 924 listed

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

- cULus Certified to UL 1598 / C22.2 No. 250.0 suitable for damp locations with covered ceiling
- Wall mount cULus Listed for wet locations, requires gasketed lens kit 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		2000 Lumen	
Input Voltage 120-277 VAC	120	277	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	0.194	0.086
Input Power (W)	3.4	3.9	6.5	6.9	7.7	8.1	10.7	11.1	15.5	15.4	23.2	23.1
In-rush (A)	2.1	9.15	2.1	9	2.1	9	2.1	9.1	2.1	9.3		11.1
Inrush duration	250	127	254	128	249	142	255	153	255	236	246	115
THDi (%)	8.2	19.9	7.8	14	8.1	11.2	6.6	9.7	11.5	6.6	9.1	11.1
PF	0.99	0.83	0.99	0.91	0.99	0.93	1.0	0.97	0.99	0.98	0.97	0.97

Series	2500 Lumen		3000 Lumen		3500 Lumen		4000 Lumen		4500 Lumen		5000 Lumen	
Input Voltage 120-277 VAC	120	277	120	277	120	277	120	277	120	277	120	277
Input Current (A)	0.23	0.103	0.27	0.128	0.278	0.133	0.294	0.137	0.33	0.153	0.414	0.185
Input Power (W)	27.5	276	32.3	32.5	33.2	34.2	35.20	35.6	39.5	40	49.5	49
In-rush (A)	2.6	12.5	2.6	12.9	1.1	2.6	3.03	14.4	1.1	2.5	3.2	14.4
Inrush duration	231	197	212	124	59	38	214	167	60	39	194	169
THDi (%)	7.6	8.8	9.1	16.5	7.3	15.9	4.3	10.9	4.6	12.1	4.7	7.7
PF	1.0	0.97	1.0	0.97	1.0	0.93	1.0	0.93	1.0	0.95	1.0	0.96

Series	5500 Lumen		6000 Lumen		6500 Lumen	
Input Voltage 120-277 VAC	120	277	120	277	120	277
Input Current (A)	0.51	0.23	0.568	0.273	0.428	0.19
Input Power (W)	61	59.6	67.7	66.5	51	50.6
In-rush (A)	22.1	31.7	23.1	30.4	3.3	15.1
Inrush duration	191	62	196	37	190	156
THDi (%)	6.9	13.7	6.1	10.9	5.1	7.3
PF	1.0	0.93	1.0	0.88	1.0	0.96

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

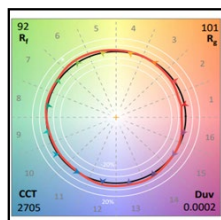
Sound Rating: Class A standards

Notes:

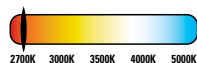
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

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

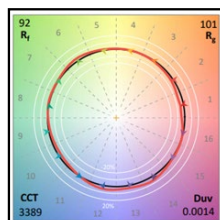
90 CRI Color Metric Summary - 2700K*



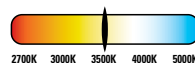
TM-30-15	Rf = 92.4
	Rg = 101.2
CRI/CIE	Ra = 93.7
	R9 = 59.1



90 CRI Color Metric Summary - 3500K*



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

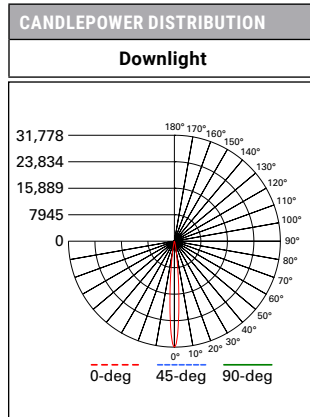


* Color values are based on haze reflector, other finishes and field results may vary.

Photometric Data



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



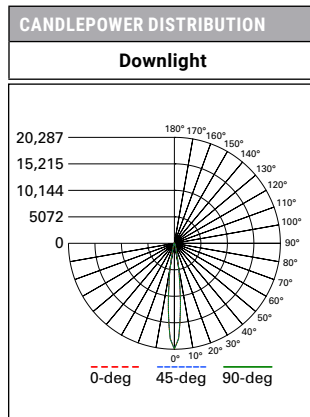
CONE OF LIGHT

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 and 6LBDP reflector	
Test Number	P736026
Housing	LE*6D15D010
Module	EC6DR4002159035
Lumens	1489
Efficacy	94.2 Lm/W
SC	0.22
UGR	10



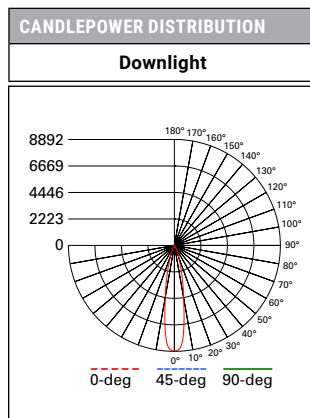
CONE OF LIGHT

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 and 6LBDP reflector	
Test Number	P736028
Housing	LE*6D15D010
Module	EC6DR4002159035
Lumens	1562
Efficacy	98.9 Lm/W
SC	0.34
UGR	10



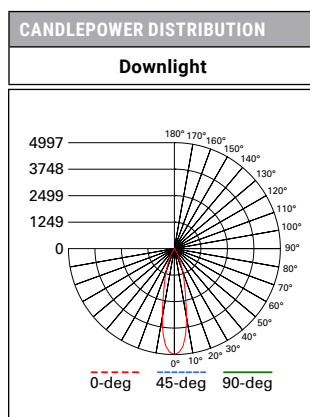
CONE OF LIGHT

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 and 6LBDP reflector	
Test Number	P736030
Housing	LE*6D15D010
Module	EU6DR250215C9035
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

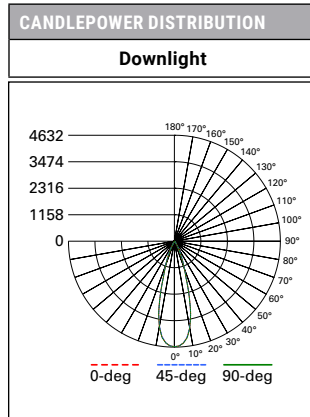
CANDELA TABLE

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 and 6LBDP reflector	
Test Number	P736032
Housing	LE*6D15D010
Module	EU6DR300215IC9035
Lumens	1441
Efficacy	91.2 Lm/W
SC	0.52
UGR	10



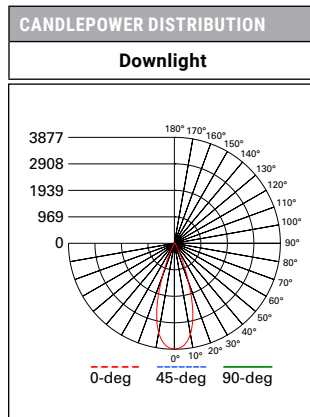
CONE OF LIGHT

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 and 6LBDP reflector	
Test Number	P736034
Housing	LE*6D15D010
Module	EU6DR350215IC9035
Lumens	1409
Efficacy	89.2 Lm/W
SC	0.6
UGR	10



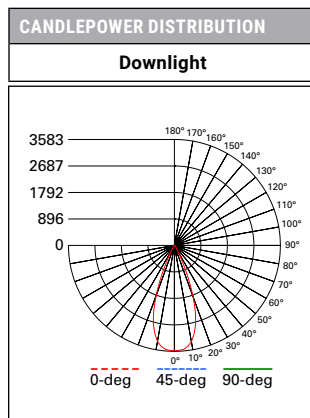
CONE OF LIGHT

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 and 6LBDP reflector	
Test Number	P736036
Housing	LE*6D15D010
Module	EU6DR400215IC9035
Lumens	1539
Efficacy	97.4 Lm/W
SC	0.68
UGR	10



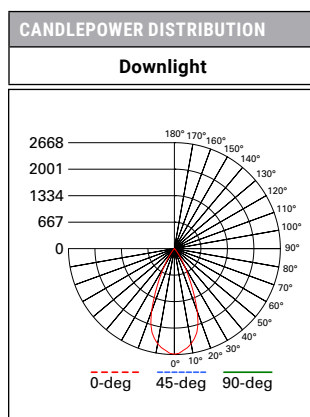
CONE OF LIGHT

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 and 6LBDP 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

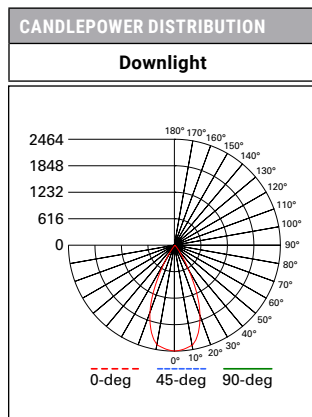
CANDELA TABLE

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

 Multipliers

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



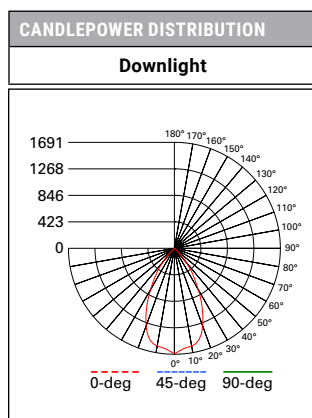
CONE OF LIGHT

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 and 6LBDP reflector	
Test Number	P736041
Housing	LE*6D15D010
Module	EU6DR550215IC9035
Lumens	1508
Efficacy	95.4 Lm/W
SC	0.89
UGR	12



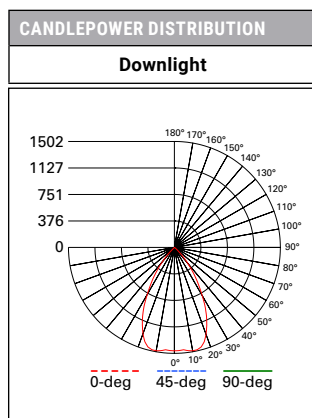
CONE OF LIGHT

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



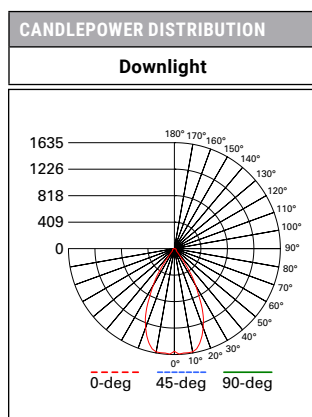
CONE OF LIGHT

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

60° with 6LDP reflector	
Test Number	P736044
Housing	LE*6D15D010
Module	EU6DR600215IC9035
Lumens	1339
Efficacy	84.7 Lm/W
SC	0.91
UGR	13



CONE OF LIGHT

D	FC	L	W
6'	45.3	5.2	5.2
8'	25.5	7	7
10'	16.3	8.8	8.8
12'	11.3	10.6	10.6
15'	7.2	13.4	13.4

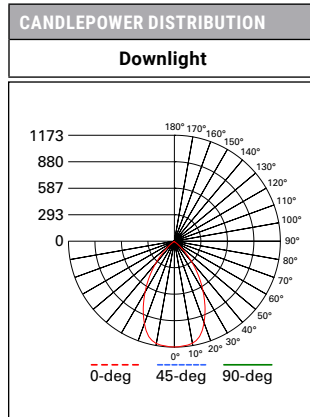
CANDELA TABLE

Degrees Vertical	0-deg
0	1590
5	1623
15	1517
25	1015
35	311
45	43
55	36
65	28
75	18
80	11

Photometric Data



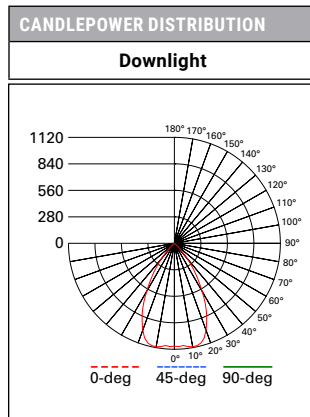
65° with 6LBS reflector	
Test Number	P736049
Housing	LE*6D15D010
Module	EU6DR650215IC9035
Lumens	1292
Efficacy	81.8 Lm/W
SC	0.95
UGR	14



CONE OF LIGHT			
D	FC	L	W
6'	32.6	5.6	5.6
8'	18.3	7.6	7.6
10'	11.7	9.4	9.4
12'	8.1	11.4	11.4
15'	5.2	14.2	14.2

CANDELA TABLE	
Degrees Vertical	0-deg
0	1173
5	1166
15	1095
25	815
35	485
45	191
55	43
65	9
75	3
80	1

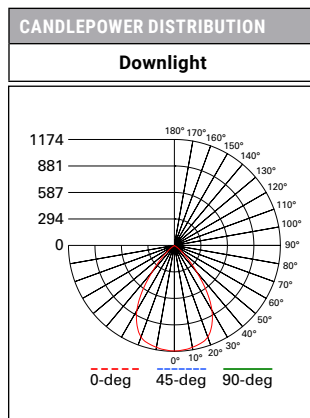
65° with 6LBDP reflector	
Test Number	P736048
Housing	LE*6D15D010
Module	EU6DR650215IC9035
Lumens	1115
Efficacy	70.5 Lm/W
SC	0.98
UGR	14



CONE OF LIGHT			
D	FC	L	W
6'	30.5	5.8	5.8
8'	17.2	7.8	7.8
10'	11	9.8	9.8
12'	7.6	11.8	11.8
15'	4.9	14.6	14.6

CANDELA TABLE	
Degrees Vertical	0-deg
0	1097
5	1094
15	1100
25	810
35	396
45	82
55	13
65	3
75	2
80	1

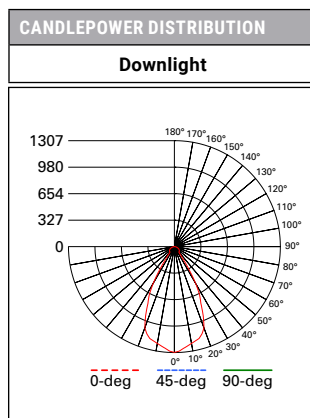
70° with 6LBS reflector	
Test Number	P736053
Housing	LE*6D15D010
Module	EU6DR700215IC9035
Lumens	1488
Efficacy	94.1 Lm/W
SC	1.1
UGR	14



CONE OF LIGHT			
D	FC	L	W
6'	32.6	6.6	6.6
8'	18.3	8.8	8.8
10'	11.7	11	11
12'	8.2	13.2	13.2
15'	5.2	16.4	16.4

CANDELA TABLE	
Degrees Vertical	0-deg
0	1174
5	1167
15	1128
25	985
35	633
45	217
55	48
65	0
75	0
80	0

70° with 6LBDP reflector	
Test Number	P736052
Housing	LE*6D15D010
Module	EU6DR700215IC9035
Lumens	1162
Efficacy	73.6 Lm/W
SC	0.88
UGR	17



CONE OF LIGHT			
D	FC	L	W
6'	36.3	5.2	5.2
8'	20.4	7	7
10'	13.1	8.8	8.8
12'	9.1	10.4	10.4
15'	5.8	13.2	13.2

CANDELA TABLE	
Degrees Vertical	0-deg
0	1307
5	1263
15	1175
25	774
35	175
45	85
55	72
65	52
75	28
80	17

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

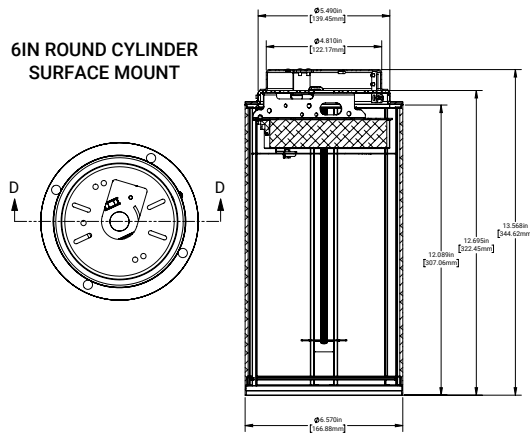
Multipliers for relative lumen values with other series color temperatures.

Asymmetric Film Distribution

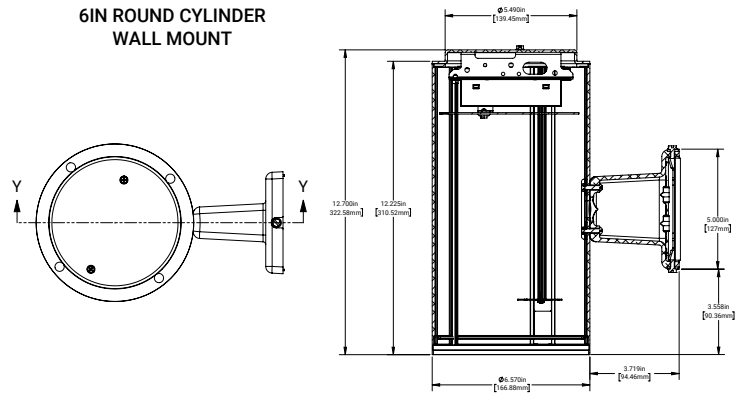
TIR	Short Axis Beam angle	Long Axis Beam angle
R10	12°	27.4°
R15	15°	28°
R20	21°	32°
R30	32°	37°
R35	32°	40°
R40	28°	37°
R45	41°	45°
R50	42°	46°

Dimensional and Mounting Details

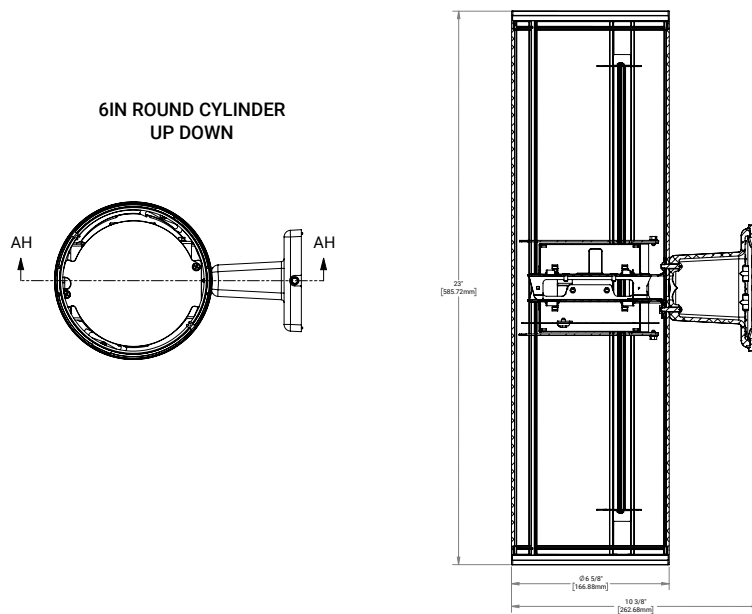
6IN ROUND CYLINDER
SURFACE MOUNT



6IN ROUND CYLINDER
WALL MOUNT

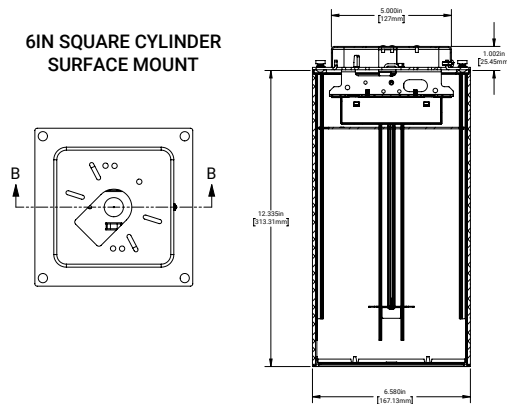


6IN ROUND CYLINDER
UP DOWN

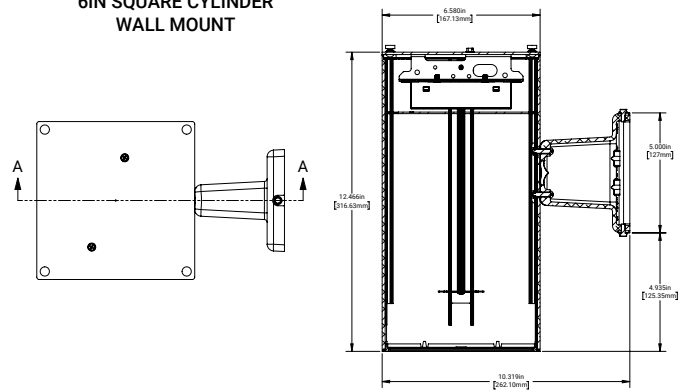


Dimensional and Mounting Details

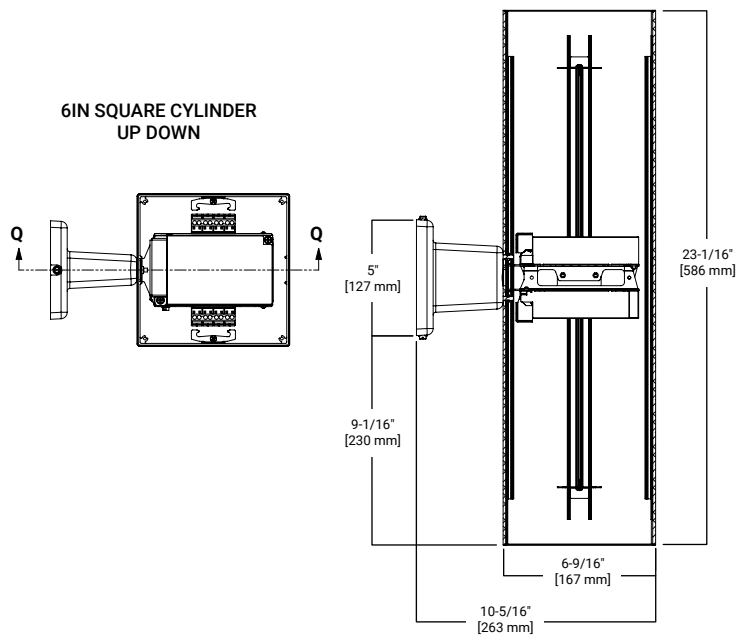
6IN SQUARE CYLINDER
SURFACE MOUNT



6IN SQUARE CYLINDER
WALL MOUNT

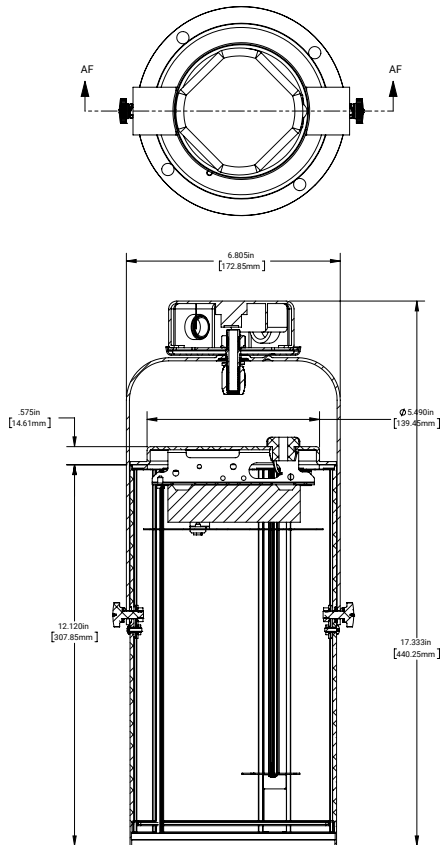


6IN SQUARE CYLINDER
UP DOWN

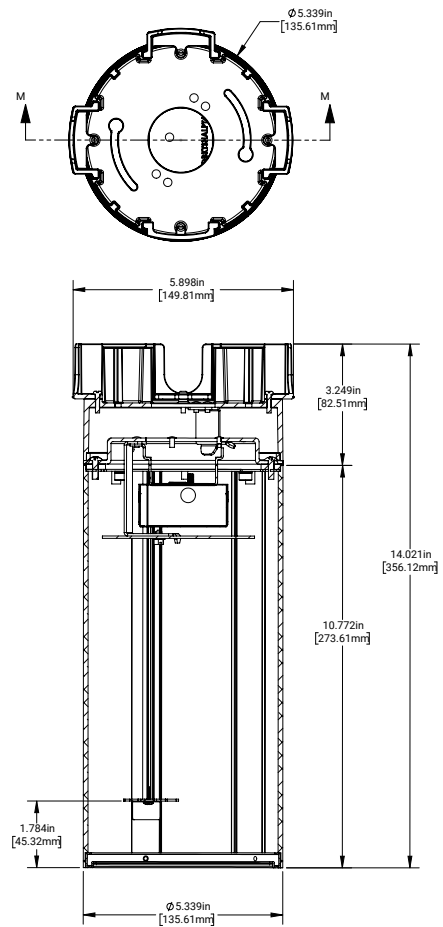


Dimensional and Mounting Details

6IN ROUND CYLINDER
STANDARD YOKE MOUNT

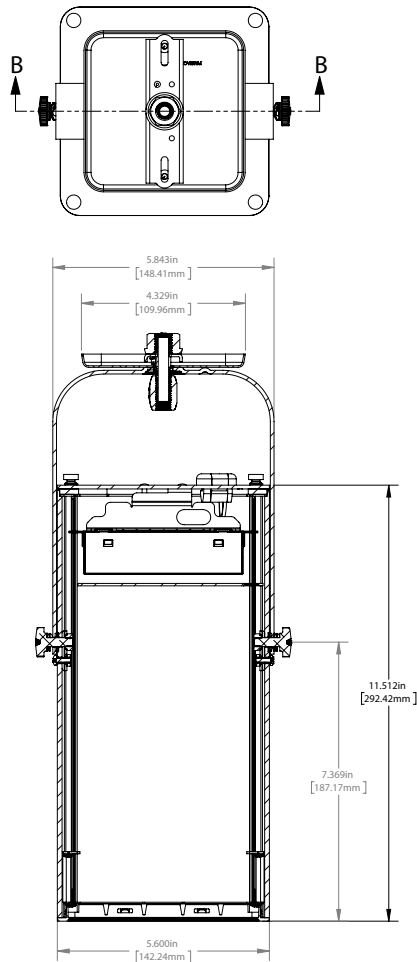


6IN ROUND CYLINDER
CONDUIT CANOPY

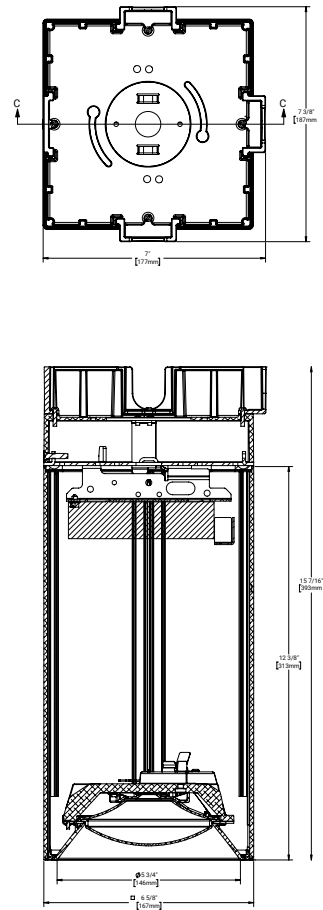


Dimensional and Mounting Details

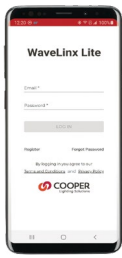
6IN SQUARE CYLINDER
STANDARD YOKE MOUNT



6IN SQUARE CYLINDER
CONDUIT CANOPY



Connected Systems



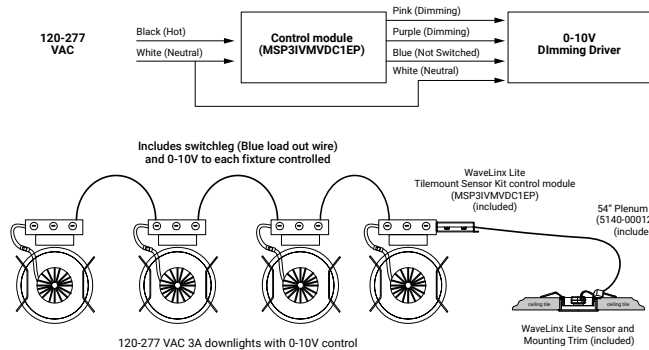
WaveLinX LITE - WLST Tilemount Sensor

WaveLinX LITE devices only compatible with the WaveLinX LITE system.

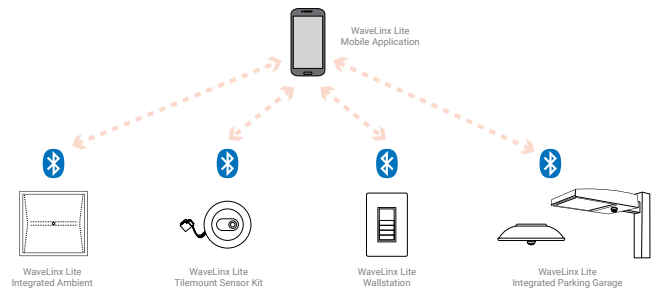
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic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



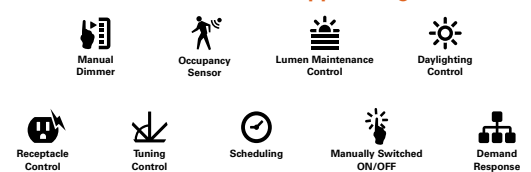
WaveLinX PRO Wireless – WPST Tilemount Sensor

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

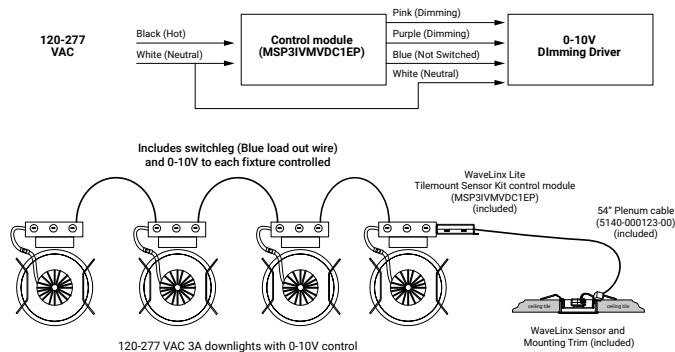
- WaveLinX PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



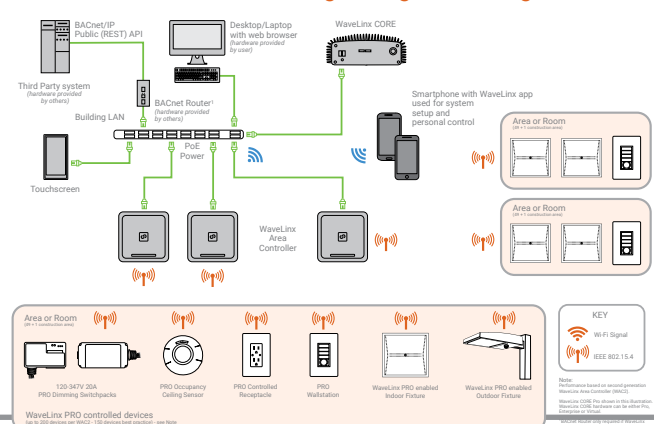
WaveLinX mobile app settings



WaveLinX PRO WPST Tilemount Wiring Diagram



WaveLinX CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

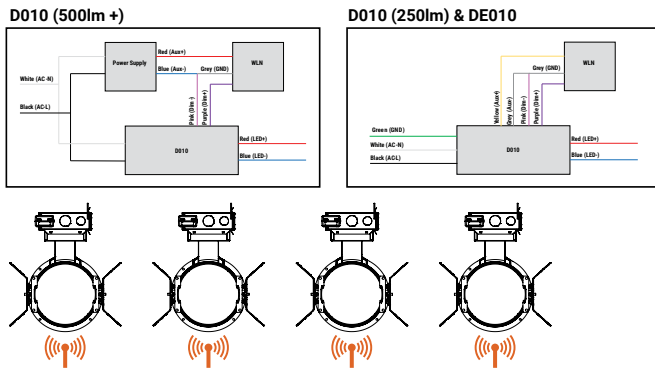
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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

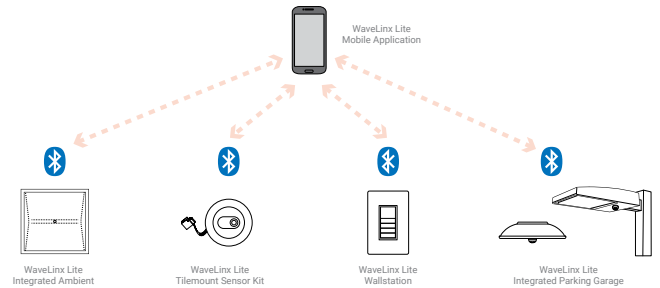


WaveLinX LITE Wireless Node (WLN) Wiring Diagram



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

WaveLinX LITE Bluetooth Enabled System

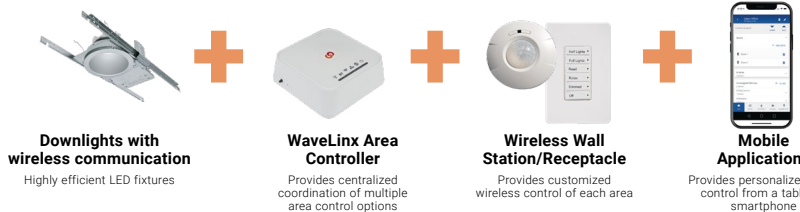
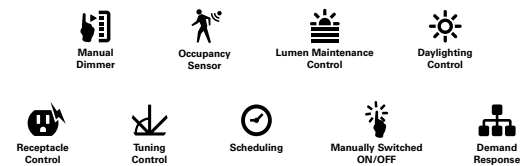


WaveLinX PRO Wireless Node - WPN

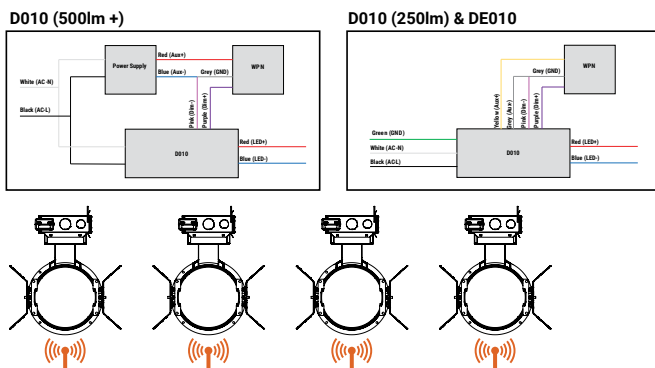
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

- 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



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

WaveLinX CORE Building Management Integration

