

Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LER6C/LESQ6C/LSRYM6C/ LSSQYM6C Cylinders

6" Round and Square Cylinder
Surface, Ceiling, Wall, Up/Down, Yoke,
and Stem Mount

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Residential

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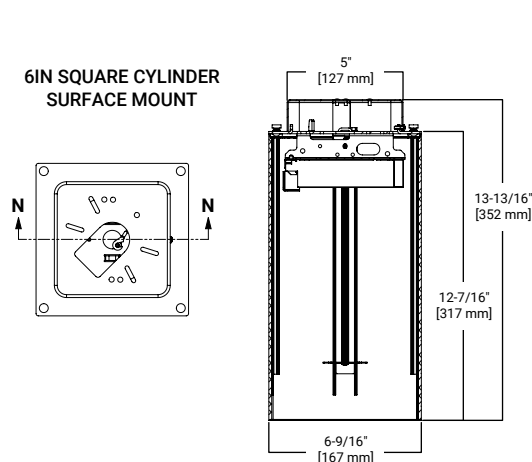
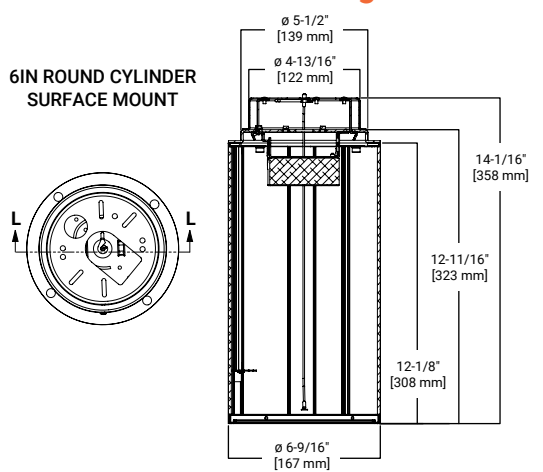


Top Product Features

- 250 to 6,000 lumens; Offered in 90 and 97 CRI; Downlight
- Round or square surface-mount cylinders; Ceiling, wall, stem, up/down, yoke mount adjustable, LuxWire power over cable
- Extruded aluminum housing; Matte Black, White, Bronze and Silver paint finishes
- 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



*T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

Order Information

SAMPLE ORDER NUMBER: LER6C10D010TRP

Domestic Preferences ⁽³⁰⁾	Cylinder	Lumens	Driver	Remote ⁽⁹⁾	Finish ⁽¹⁰⁾	Factory Installed Connected Lighting Options ⁽³¹⁾
[Blank] =Standard TAA = Trade Agreements Act BAA =Buy American Act	Ceiling surface mount LER6C =6-inch round surface mount LESQ6C = 6-inch square surface mount square aperture ⁽¹⁾ LESQR6C = 6-inch square surface mount round aperture ⁽²⁾ Ceiling surface mount Square with conduit canopy (for round use Conduit Canopy Kit accessory) LESQSM6C = 6-inch square surface mount square aperture with surface mount conduit canopy ⁽¹⁾ LESQRSM6C = 6-inch square surface mount, round aperture with surface mount conduit canopy ⁽²⁾ Wall mount Downlight LERWM6C = 6-inch round wall mount LESQRWM6C = 6-inch square wall mount round aperture ⁽²⁾ LESQWM6C = 6-inch square wall mount square aperture ⁽¹⁾ Wall mount Up/down ⁽²²⁾ LERUD6C = 6-inch round wall mount up/down ^{(4) (37)} LESQUD6C = 6-inch square wall mount up/down square aperture ^{(3) (37)} LESQRUD6C = 6-inch square wall mount up/down round aperture ^{(4) (37)} Yoke mount LERYM6C = 6-inch round yoke mount ⁽²⁴⁾ LSSQYM6C = 6-inch square yoke mount square aperture ^{(1) (24)} LESQRYM6C = 6-inch square yoke mount round aperture ^{(2) (24)}	02 =250 lumens 05 =500 lumens 08 =800 lumens 10 =1000 lumens 15 =1500 lumens 20 =2000 lumens 25 =2500 lumens 30 =3000 lumens 35 =3500 lumens 40 =4000 lumens 45 =4500 lumens (with remote driver only) 50 =5000 lumens (with remote driver only) 55 =5500 lumens (with remote driver only) 60 =6000 lumens (with remote driver only)	D010 =0-10V Dimming, 1% to 100%, 120V-277V, 500-6000 Lumens 3D010 =0-10V Dimming, 1% to 100%, 347V, 800-3500 Lumens (500, 4000-6000 Lumens require a Remote Driver) D010TR =0-10V (120-277V) or line voltage (120V) dimming, 1-100%; 1 driver: 250 to 3500 / 2 drivers: (Downlight with Remote Driver only): 4000-6000 Lumens DE010 =0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 500-6000 lumens DSL =Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 500-6000 lumens DMX =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 1 driver: 800-4000 lumens / 2 drivers: (Downlight with Remote Driver only): 4500-6000 Lumens ⁽⁶⁾ DMXC5 =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection, 1 driver: 800-4000 lumens / 2 drivers: (Downlight with Remote Driver only): 4500-6000 Lumens ⁽⁶⁾ DLE =Lutron Ecosystem dimming 1% to 100%, 120-277V; 1 driver: 800 to 3500 Lumens / 2 drivers: (Downlight with Remote Driver only): 4000-6000 Lumens DLV =Low Voltage System, 800-3000 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)} IEMB0D6ST = Bodine® 6W Self Test Emergency Module with Integral Test Switch (requires EM6 trim option) • Limited to 3000 lumens

SAMPLE ORDER NUMBER: EC6C10259035

Domestic Preferences ⁽³⁰⁾	Power Module	Lumen Levels ⁽¹⁵⁾	Color
[Blank] =Standard TAA = Trade Agreements Act	EC6C =6-inch cylinder light engine ECA6C =6-inch cylinder adjustable light engine	0208 =250, 500, 800 lumens 1025 =1000, 1500, 2000 or 2500 Lumens 3035 =3000, 3500 lumens 4060 =4000, 4500, 5000, 5500, 6000 lumens Two LEDs for cylinders with two drivers 4080 =4000, 4500, 5000, 5500, 6000 lumens [For use with Lutron & D010TR (4000-6000), DMX (4500-6000)] 0235 =250, 500, 800, 1000, 1500, 2000, 2500, 3000, & 3500 lumens 4000 =4000 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

SAMPLE ORDER NUMBER: 6LBM3LI

Domestic Preferences ⁽³⁰⁾	Trim	Distribution ⁽¹⁶⁾	Flange	Finish	Options
[Blank] =Standard BAA =Buy American Act ^{(30) (38)}	6LB =6" Reflector 6LBA = 0-30° directional ⁽³⁵⁾	N =Narrow (30° Beam), Spun Aluminum M =Medium (50° Beam), Spun Aluminum MD =45° Cutoff, Medium Beam, Spun Aluminum W =Wide (75° Beam), Spun Aluminum S =Shallow (75° Beam), Spun Aluminum HY =Hyperbolic Medium Beam (for single LED module only) CS =Cast Shallow (75° Beam), Die Cast Aluminum SWN =Single Wall Wash, Spun Aluminum DWN =Double Wall Wash, Spun Aluminum MDSW =45° Cutoff, Single Wall Wash, Spun Aluminum MDDW = 45° Cutoff, Double Wall Wash, Spun Aluminum Square (for use with LESQUDS, LESQS) SQ = Medium Beam, 50° Cutoff Square Anodized Aluminum Downlight SQW = Medium Beam, 45° Cutoff Anodized Aluminum Downlight CSSQ =Square Shallow Die Cast	3 =Rimless 3 =Rimless	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: • Available with narrow (N), medium (M) and medium 45° (MD), Shallow (S), Square (SQW).

continued on next page

LER6C/LESQ6C/LSRYM6C/LSSQYM6C Cylinders

REQUIRED if Remote Driver (R) is specified on Cylinder

Domestic Preferences	Accessories	Type	Lengths
Domestic Preferences ⁽³⁰⁾	Accessories ⁽³⁵⁾	Type	Lengths
[Blank] =Standard TAA =Trade Agreements Act	Pendant Kit ^{(20) (34)} 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 D5LT 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 ^{(26) (34)} 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 ^{(26) (34)} 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	
	LNE6RUD =up/down gasketed lens, wet location, round LNE6SQU =up/down gasketed lens, wet location, square Conduit Kit ⁽²⁴⁾ SMRCC6P = Conduit canopy for round surface mount, white SMRCC6MB = Conduit canopy for round surface mount, black SMRCC6BZ = Conduit canopy for round surface mount, bronze SMRCC6SL = Conduit canopy for round surface mount, silver		

- (36) Order with ceiling mount cylinder.
- (37) DMX drivers with shallow trim only.
- (38) Offered with spun aluminum narrow (N), medium (M) and wide (W) trims
- (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 D010 or DE010 drivers only.

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°

Wall Wash Reflector

- Open Wall Wash - wall wash reflector with gradient kicker offered in single and double with choice of wide or medium beam, providing even vertical illumination with minimal source brightness.
- Rotatable Lensed Wall Wash - Rotatable lensed wall wash reflector offered in single and double wall wash provides even vertical illumination with minimal source brightness.

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
- 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

- Contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution without pixilation
- 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 option 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

- 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 and IP66 compliant, requires lens accessory for up/down wall mount
- 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 Data

D010 DRIVER ENERGY DATA

Series	250 lumen		500 lumen		800 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.029	0.017	0.061	0.032	0.085	0.041	0.084	0.042	0.135	0.063	0.189	0.084
Input Power (W)	3.45	3.87	7.33	7.78	10.15	10.52	10.04	10.43	16.17	16.56	22.58	22.63
In-rush (A)	2.1	8.5	3.7	8.5	3.6	8.3	3.6	8.4	2.3	9.5	2.1	9.7
Inrush duration (μs)	250	131	190	136	220	135	226	136	230	125	243	132
THDi (%)	7.21	16.92	7.82	10.78	5.57	9.63	7.78	9.24	4.75	9.93	8.03	7.44
PF	≥ 0.98	≥ 0.9	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen		5000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.276	0.121	0.276	0.121	0.333	0.152	0.404	0.181	0.421	0.192	0.491	0.216
Input Power (W)	32.98	32.57	32	32.57	39.83	39.84	48.38	47.94	50.22	50.17	58.69	58.01
In-rush (A)	2.5	11.8	3.6	11.8	3.1	14.3	3.1	14.5	5.6	22.6	5.6	22.6
Inrush duration (μs)	215	111	220	111	200	94	197	95	215	120	213	135
THDi (%)	9.86	6.57	5.57	6.57	4.25	10.05	5.02	7.97	6.12	8.35	8.51	7.92
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.96

Series	6000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.542	0.256
Input Power (W)	64.88	65.7
In-rush (A)	6.2	27.5
Inrush duration (μs)	188	101
THDi (%)	4.33	11.86
PF	≥ 0.99	≥ 0.93

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

Sound Rating: Class A standards

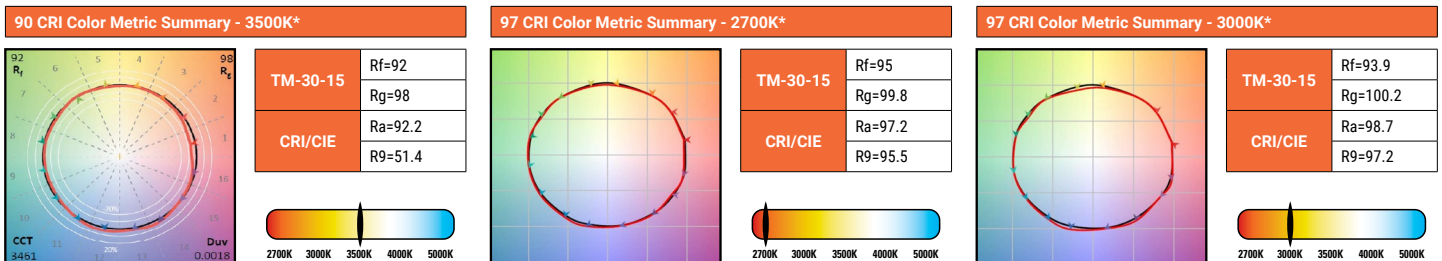
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)

Input Frequency: 50/60Hz

Notes:

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

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



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

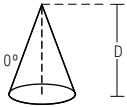
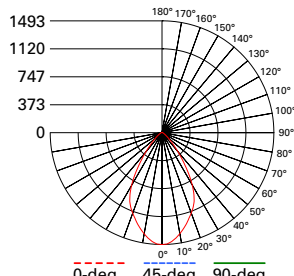
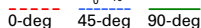
Beam Angles

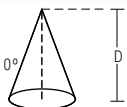
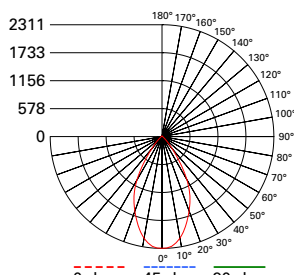
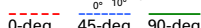
Trim	Beam Angle
6LBMH	MEDIUM 60° BEAM (H)
6LBMLI	MEDIUM 55° BEAM (LI)
6LBNH	NARROW 55° BEAM (H)
6LBNLI	NARROW 30° BEAM (LI)
6LBSH	SHALLOW 85° BEAM (H)
6LBSLI	SHALLOW 70° BEAM (LI)
6LBWH	WIDE 80° BEAM (H)

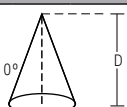
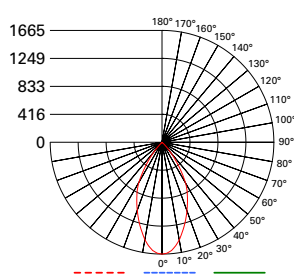
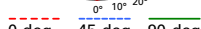
Trim	Beam Angle
6LBWLI	WIDE 80° BEAM (LI)
6LBSWNL	SINGLE WALL WASH (LI)
6LBLSWWH	LENSED WALL WASH (H)
6LBLSWWLI	LENSED WALL WASH (LI)
6LBMDH	MEDIUM BEAM 45° CUTOFF 50° BEAM (H)
6LBMDLI	MEDIUM BEAM 45° CUTOFF 50° BEAM (LI)

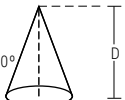
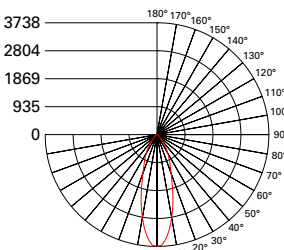
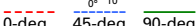
Photometric Data

[View IES files](#)

MEDIUM 60° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571658	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>93.3</td><td>3.6</td><td>3.6</td></tr><tr><td>7'</td><td>30.5</td><td>6.4</td><td>6.4</td></tr><tr><td>9'</td><td>18.4</td><td>8.4</td><td>8.4</td></tr><tr><td>13'</td><td>8.8</td><td>12.2</td><td>12.2</td></tr><tr><td>16'</td><td>5.8</td><td>15</td><td>15</td></tr></table>		D	FC	L	W	4'	93.3	3.6	3.6	7'	30.5	6.4	6.4	9'	18.4	8.4	8.4	13'	8.8	12.2	12.2	16'	5.8	15	15	0	1493	0-30	947	62.8	37	30591
D	FC	L	W																																	
4'	93.3	3.6	3.6																																	
7'	30.5	6.4	6.4																																	
9'	18.4	8.4	8.4																																	
13'	8.8	12.2	12.2																																	
16'	5.8	15	15																																	
Module	EC6C10259035					5	1461	0-40	1287	85.3	45	13699																								
Trim	6LBMH					15	1261	0-60	1482	98.2	55	5142																								
Lumens	1509					25	1015	0-90	1509	100	65	2516																								
Efficacy	69.2 Lm/W					35	539	90-180	0	0	75	1377																								
SC	0.94					45	177	0-180	1509	100	85	0																								
UGR	12.5					55	54																													
						65	19																													
						75	6																													
						85	0																													
						90	0																													

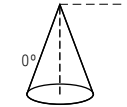
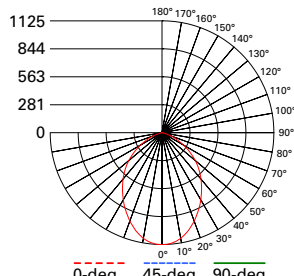
MEDIUM 55° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571659	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>144.5</td><td>3.2</td><td>3.2</td></tr><tr><td>7'</td><td>47.2</td><td>5.8</td><td>5.8</td></tr><tr><td>9'</td><td>28.5</td><td>7.6</td><td>7.6</td></tr><tr><td>13'</td><td>13.7</td><td>10.8</td><td>10.8</td></tr><tr><td>16'</td><td>9</td><td>13.4</td><td>13.4</td></tr></table>		D	FC	L	W	4'	144.5	3.2	3.2	7'	47.2	5.8	5.8	9'	28.5	7.6	7.6	13'	13.7	10.8	10.8	16'	9	13.4	13.4	0	2311	0-30	1359	73.6	37	30951
D	FC					L	W																													
4'	144.5					3.2	3.2																													
7'	47.2					5.8	5.8																													
9'	28.5					7.6	7.6																													
13'	13.7	10.8	10.8																																	
16'	9	13.4	13.4																																	
Module	EC6C10259035	5	2281	0-40	1737	94	45	8063																												
Trim	6LBMLI	15	1903	0-60	1841	99.7	55	898																												
Lumens	1847	25	1364	0-90	1847	100	65	623																												
Efficacy	84.7 Lm/W					45	104	90-180	0	0	75	508																								
SC	0.85					55	9	0-180	1847	100	85	0																								
UGR	1.3					65	5																													
						75	2																													
		85	0																																	
		90	0																																	

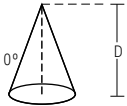
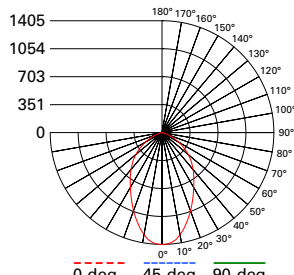
NARROW 55° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571660	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>104.1</td><td>3</td><td>3</td></tr><tr><td>7'</td><td>34</td><td>5.4</td><td>5.4</td></tr><tr><td>9'</td><td>20.6</td><td>7</td><td>7</td></tr><tr><td>13'</td><td>9.9</td><td>10</td><td>10</td></tr><tr><td>16'</td><td>6.5</td><td>12.4</td><td>12.4</td></tr></table>		D	FC	L	W	4'	104.1	3	3	7'	34	5.4	5.4	9'	20.6	7	7	13'	9.9	10	10	16'	6.5	12.4	12.4	0	1665	0-30	916	70.5	37	23572
D	FC					L	W																													
4'	104.1					3	3																													
7'	34					5.4	5.4																													
9'	20.6					7	7																													
13'	9.9	10	10																																	
16'	6.5	12.4	12.4																																	
Module	EC6C10259035	5	1618	0-40	1191	91.7	45	6977																												
Trim	6LBNH	15	1282	0-60	1289	99.2	55	2045																												
Lumens	1299	25	893	0-90	1299	100	65	921																												
Efficacy	59.6 Lm/W					45	90	90-180	0	0	75	508																								
SC	0.78					55	21	0-180	1299	100	85	0																								
UGR	6.9					65	7																													
						75	2																													
						85	0																													
						90	0																													

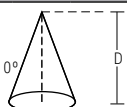
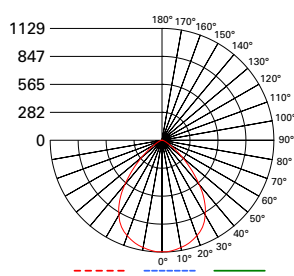
NARROW 30° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571661	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>233.6</td><td>2</td><td>2</td></tr><tr><td>7'</td><td>76.3</td><td>3.6</td><td>3.6</td></tr><tr><td>9'</td><td>46.2</td><td>4.6</td><td>4.6</td></tr><tr><td>13'</td><td>22.1</td><td>6.8</td><td>6.8</td></tr><tr><td>16'</td><td>14.6</td><td>8.4</td><td>8.4</td></tr></table>		D	FC	L	W	4'	233.6	2	2	7'	76.3	3.6	3.6	9'	46.2	4.6	4.6	13'	22.1	6.8	6.8	16'	14.6	8.4	8.4	0	3738	0-30	1320	80.4	37	21389
D	FC					L	W																													
4'	233.6					2	2																													
7'	76.3					3.6	3.6																													
9'	46.2					4.6	4.6																													
13'	22.1	6.8	6.8																																	
16'	14.6	8.4	8.4																																	
Module	EC6C10259035	5	3483	0-40	1580	96.2	45	4590																												
Trim	6LBNLI	15	2027	0-60	1639	99.8	55	459																												
Lumens	1642	25	973	0-90	1642	100	65	311																												
Efficacy	75.3 Lm/W			45	59	90-180	0	0	75	0																										
SC	0.53			55	5	0-180	1642	100	85	0																										
UGR	0			65	2																															
				75	0																															
				85	0																															
				90	0																															

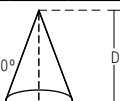
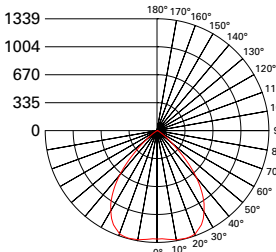
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SHALLOW 85° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571662	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>70.3</td><td>4.2</td><td>4.2</td></tr><tr><td>7'</td><td>23</td><td>7.4</td><td>7.4</td></tr><tr><td>9'</td><td>13.9</td><td>9.4</td><td>9.4</td></tr><tr><td>13'</td><td>6.7</td><td>13.6</td><td>13.6</td></tr><tr><td>16'</td><td>4.4</td><td>16.8</td><td>16.8</td></tr></table>		D	FC	L	W	4'	70.3	4.2	4.2	7'	23	7.4	7.4	9'	13.9	9.4	9.4	13'	6.7	13.6	13.6	16'	4.4	16.8	16.8	0	1125	0-30	790	36.7	37	45292
D	FC	L	W																																	
4'	70.3	4.2	4.2																																	
7'	23	7.4	7.4																																	
9'	13.9	9.4	9.4																																	
13'	6.7	13.6	13.6																																	
16'	4.4	16.8	16.8																																	
Module	EU6C10259035	5	1116	0-40	1224	56.9	45	40764																												
Trim	6LBSH	15	1021	0-60	1936	90	55	32821																												
Lumens	2151	25	864	0-90	2151	100	65	21818																												
Efficacy	98.7 Lm/W	35	694	90-180	0	0	75	8536																												
SC	1.06	65	168	0-180	2151	100	85	0																												
UGR	24.9	75	40																																	
		85	0																																	
		90	0																																	

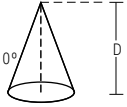
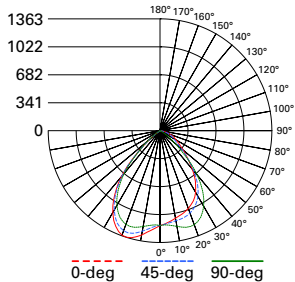
SHALLOW 70° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571663	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>87.8</td><td>3.6</td><td>3.6</td></tr><tr><td>7'</td><td>28.7</td><td>6.2</td><td>6.2</td></tr><tr><td>9'</td><td>17.3</td><td>8</td><td>8</td></tr><tr><td>13'</td><td>8.3</td><td>11.6</td><td>11.6</td></tr><tr><td>16'</td><td>5.5</td><td>14.4</td><td>14.4</td></tr></table>		D	FC	L	W	4'	87.8	3.6	3.6	7'	28.7	6.2	6.2	9'	17.3	8	8	13'	8.3	11.6	11.6	16'	5.5	14.4	14.4	0	1405	0-30	879	39.5	37	45256
D	FC					L	W																													
4'	87.8					3.6	3.6																													
7'	28.7					6.2	6.2																													
9'	17.3					8	8																													
13'	8.3	11.6	11.6																																	
16'	5.5	14.4	14.4																																	
Module	EU6C10259035	5	1383	0-40	1315	59.1	45	40516																												
Trim	6LBSLI	15	1175	0-60	2019	90.7	55	32324																												
Lumens	2226	25	913	0-90	2226	100	65	21170																												
Efficacy	102.1 Lm/W	35	695	90-180	0	0	75	8006																												
SC	0.91	55	338	0-180	2226	100	85	0																												
UGR	24.6	65	163																																	
		75	38																																	
		85	0																																	
		90	0																																	

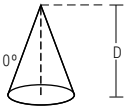
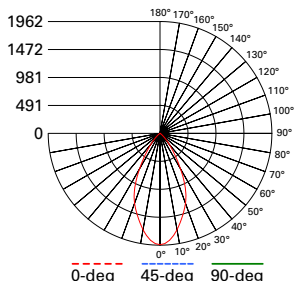
WIDE 80° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571664	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>70.4</td><td>4.6</td><td>4.6</td></tr><tr><td>7'</td><td>23</td><td>8</td><td>8</td></tr><tr><td>9'</td><td>13.9</td><td>10.4</td><td>10.4</td></tr><tr><td>13'</td><td>6.7</td><td>15</td><td>15</td></tr><tr><td>16'</td><td>4.4</td><td>18.4</td><td>18.4</td></tr></table>		D	FC	L	W	4'	70.4	4.6	4.6	7'	23	8	8	9'	13.9	10.4	10.4	13'	6.7	15	15	16'	4.4	18.4	18.4	0	1127	0-30	851	46.6	37	47030
D	FC					L	W																													
4'	70.4					4.6	4.6																													
7'	23					8	8																													
9'	13.9					10.4	10.4																													
13'	6.7	15	15																																	
16'	4.4	18.4	18.4																																	
Module	EU6C10259035	5	1122	0-40	1312	71.8	45	31934																												
Trim	6LBWH	15	1072	0-60	1770	96.9	55	14260																												
Lumens	1827	25	968	0-90	1827	100	65	5228																												
Efficacy	83.8 Lm/W	35	746	90-180	0	0	75	2499																												
SC	1.16	55	149	0-180	1827	100	85	1510																												
UGR	17.8	65	40																																	
		75	12																																	
		85	2																																	
		90	0																																	

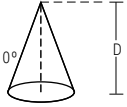
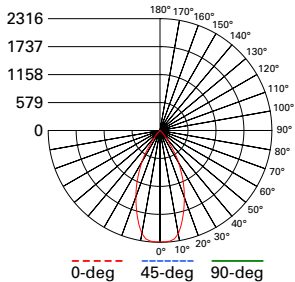
WIDE 80° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571665	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>81.5</td><td>4.8</td><td>4.8</td></tr><tr><td>7'</td><td>26.6</td><td>8.6</td><td>8.6</td></tr><tr><td>9'</td><td>16.1</td><td>11</td><td>11</td></tr><tr><td>13'</td><td>7.7</td><td>16</td><td>16</td></tr><tr><td>16'</td><td>5.1</td><td>19.8</td><td>19.8</td></tr></table>		D	FC	L	W	4'	81.5	4.8	4.8	7'	26.6	8.6	8.6	9'	16.1	11	11	13'	7.7	16	16	16'	5.1	19.8	19.8	0	1304	0-30	1074	51.4	37	58990
D	FC	L	W																																	
4'	81.5	4.8	4.8																																	
7'	26.6	8.6	8.6																																	
9'	16.1	11	11																																	
13'	7.7	16	16																																	
16'	5.1	19.8	19.8																																	
Module	EU6C10259035					5	1311	0-40	1657	79.4	45	33942																								
Trim	6LBWLI					15	1339	0-60	2075	99.4	55	7235																								
Lumens	2087					25	1249	0-90	2087	100	65	921																								
Efficacy	95.7 Lm/W					35	946	90-180	0	0	75	508																								
SC	1.24					45	438	0-180	2087	100	85	0																								
UGR	10.8					55	76																													
						65	7																													
						75	2																													
						85	0																													
						90	0																													

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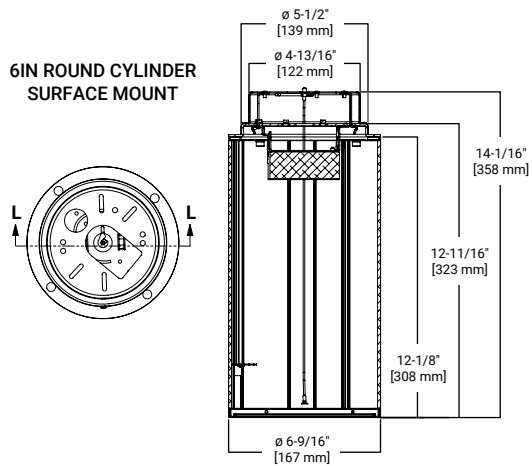
SINGLE WALL WASH (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number	P571666	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LE*6C20D010			D		0	1155	0-30	971	46	37	47358
Module	EC6C10259035			FC		5	1121	0-40	1515	71.7	45	36399
Trim	6LBSWNLI			L		15	1048	0-60	2008	95.1	55	26819
Lumens	2112			W		25	949	0-90	2112	100	65	23491
Efficacy	96.9 Lm/W					35	746	90-180	0	0	75	17305
SC	1.29					45	470	0-180	2112	100	85	11133
UGR	25.8					55	281					
						65	181					
						75	82					
						85	18					
						90	0					

MEDIUM BEAM 45° CUTOFF 50° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number	P571669	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LE*6C20D010			D		0	1962	0-30	1072	71.8	37	24203
Module	EC6C10259035			FC		5	1894	0-40	1351	90.5	45	9900
Trim	6LBMDH			L		15	1517	0-60	1480	99.1	55	2542
Lumens	1493			W		25	1052	0-90	1493	100	65	1180
Efficacy	68.5 Lm/W					35	437	90-180	0	0	75	635
SC	0.8					45	128	0-180	1493	100	85	252
UGR	7.6					55	27					
						65	9					
						75	3					
						85	0					
						90	0					

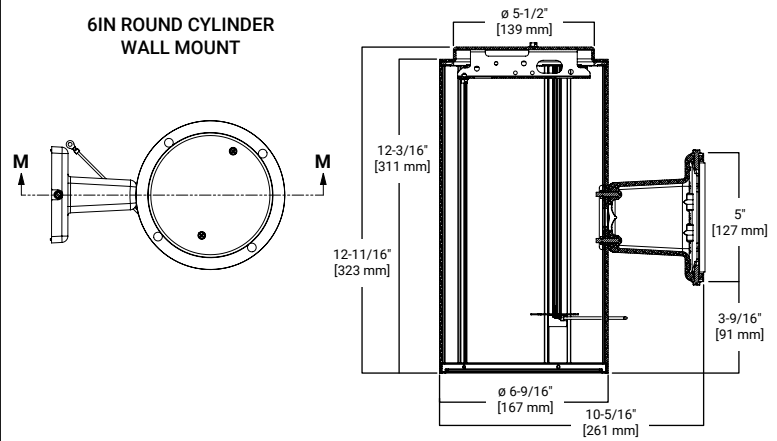
MEDIUM BEAM 45° CUTOFF 50° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number	P571670	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LE*6C20D010			D		0	2314	0-30	1230	79.4	37	18792
Module	EC6C10259035			FC		5	2309	0-40	1486	95.9	45	5032
Trim	6LBMDLI			L		15	1837	0-60	1546	99.8	55	535
Lumens	1549			W		25	1109	0-90	1549	100	65	259
Efficacy	71.1 Lm/W					35	371	90-180	0	0	75	169
SC	0.76					45	65	0-180	1549	100	85	0
UGR	0					55	6					
						65	2					
						75	1					
						85	0					
						90	0					

Dimensional and Mounting Details

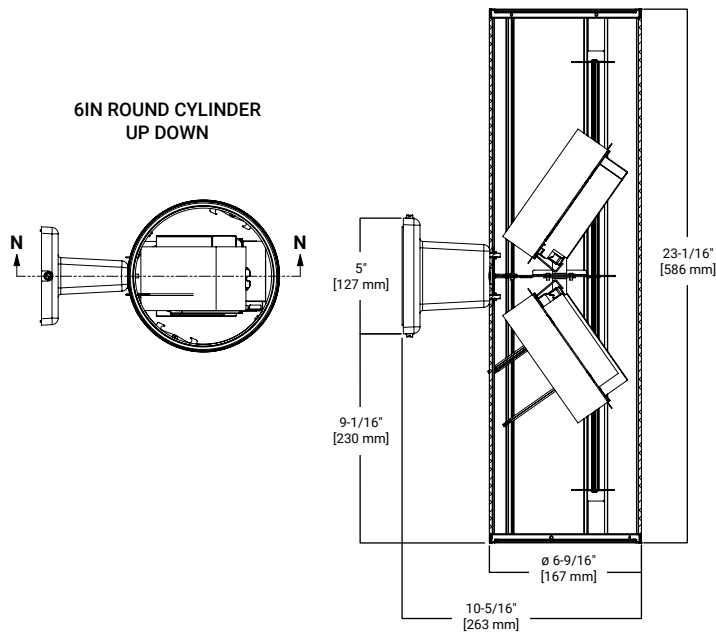
6IN ROUND CYLINDER
SURFACE MOUNT



6IN ROUND CYLINDER
WALL MOUNT

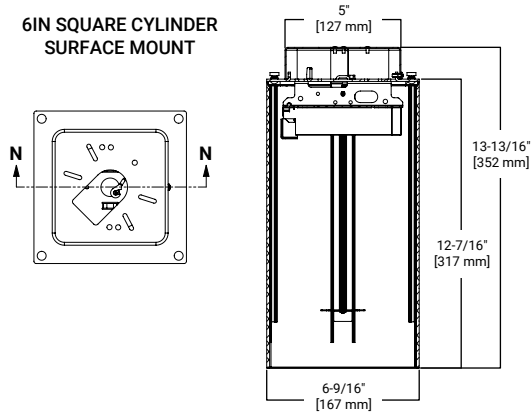


6IN ROUND CYLINDER
UP DOWN

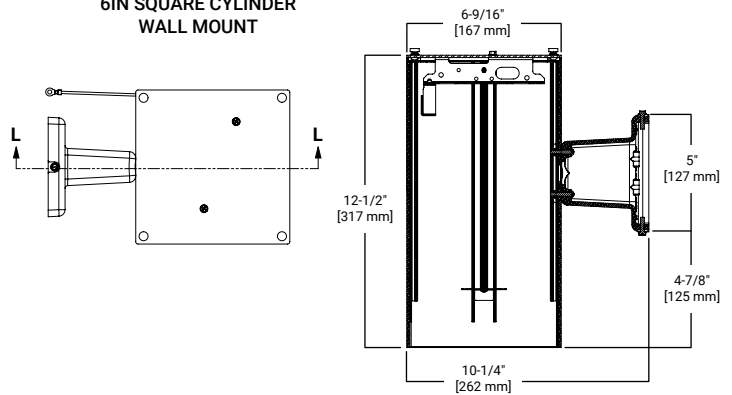


Dimensional and Mounting Details

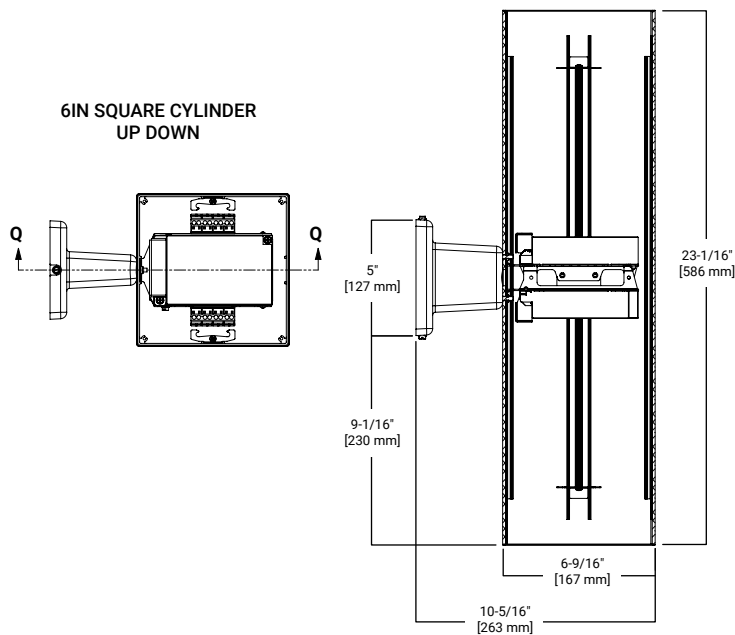
6IN SQUARE CYLINDER
SURFACE MOUNT



6IN SQUARE CYLINDER
WALL MOUNT

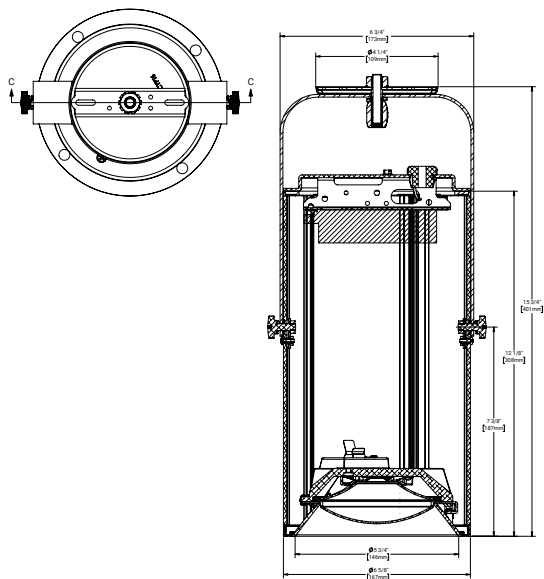


6IN SQUARE CYLINDER
UP DOWN

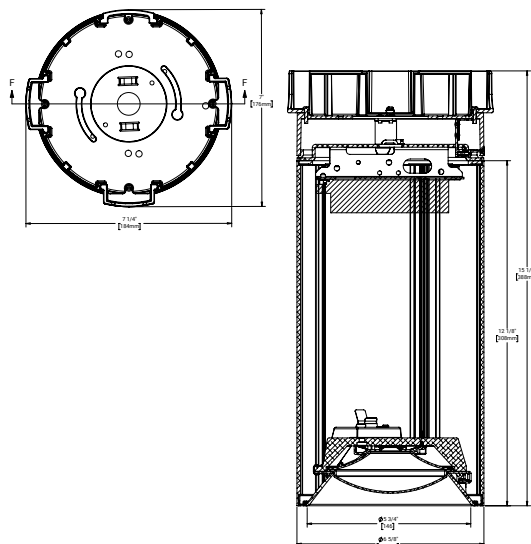


Dimensional and Mounting Details

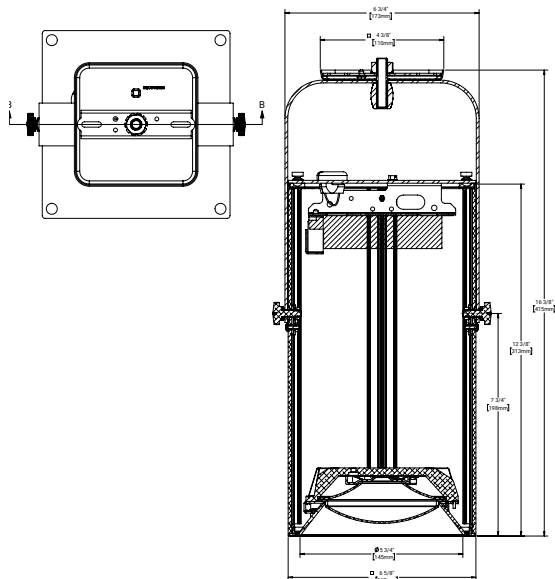
6IN ROUND CYLINDER
STANDARD YOKE MOUNT



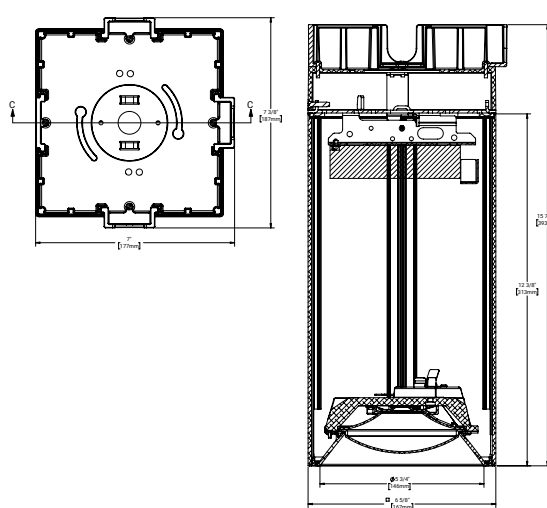
6IN ROUND CYLINDER
CONDUIT CANOPY



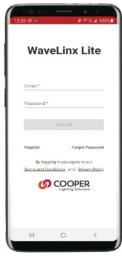
6IN SQUARE CYLINDER
STANDARD YOKE MOUNT



6IN SQUARE CYLINDER
CONDUIT CANOPY



Connected Systems



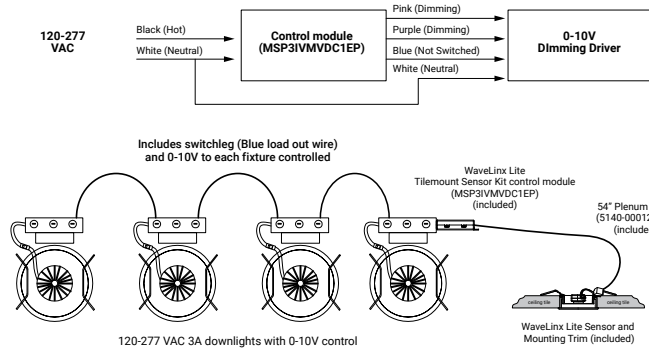
WaveLinX LITE - WLST Tilemount Sensor

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



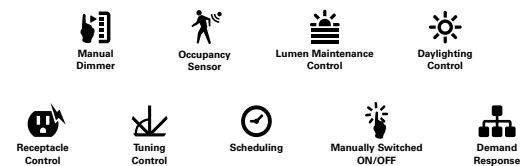
WaveLinX PRO Wireless – WPST Tilemount Sensor

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

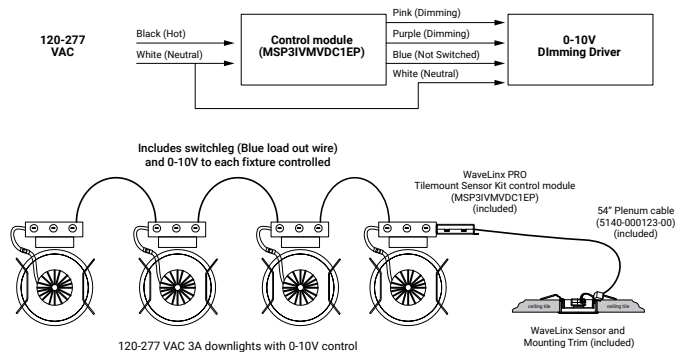
- WaveLinX PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



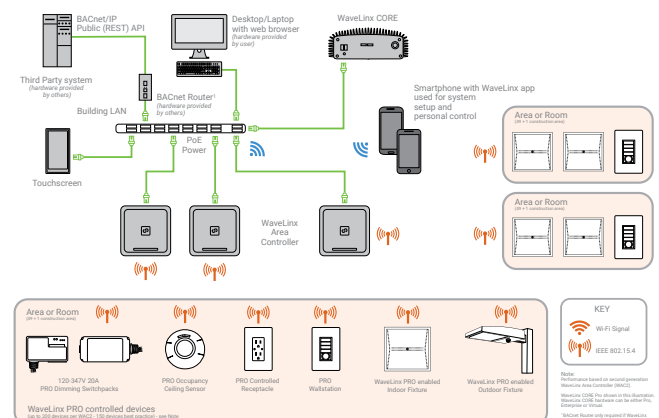
WaveLinX mobile app settings



WaveLinX PRO WPST Tilemount Wiring Diagram



WaveLinX CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

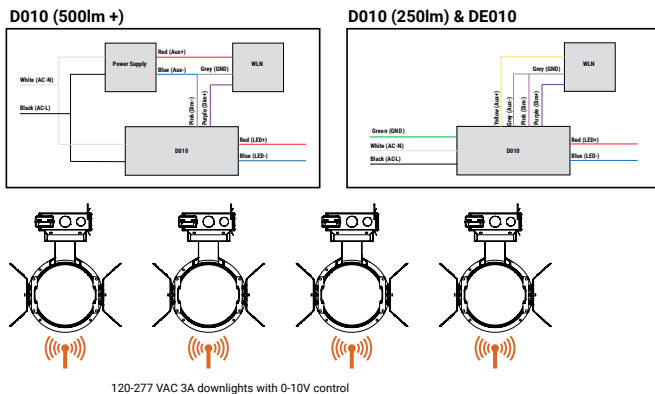
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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



WaveLinX LITE Bluetooth Enabled System



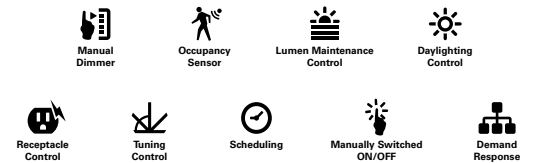
WaveLinX PRO Wireless Node - WPN

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

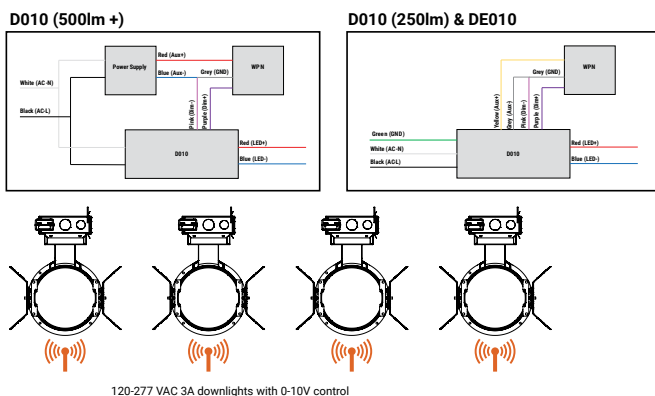
- WaveLinX Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinX Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



WaveLinX mobile app settings



WaveLinX PRO Wireless Node (WPN) Wiring Diagram



WaveLinX CORE Building Management Integration

