Project		Catalog #		Type	
Prepared by		Notes		Date	

Surface Mount

Wall Mount

Yoke Mount

Portfolio

LERS6C/LESQS6C/LSRYMS6C/LSSQYMS6C Cylinders

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

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

Interactive Menu

Product Certification

ENERGY STAR

Efficiency Standards T24 Can be used to comply with Title 24 Part 6 LED Enclosed Light Source Requirements (JA8)

RoHS COMPLIANT

UL CERTIFIED

Control Compatibility

WaveLinx LITE

WaveLinx PRO

Product Features

powered by fifthlight technology

TAA TRADE AGREEMENTS ACT COMPLIANT OPTIONS AVAILABLE

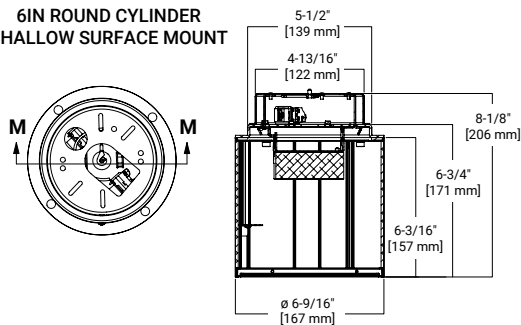damp location

wet location

Top Product Features

- 250 to 4,000 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
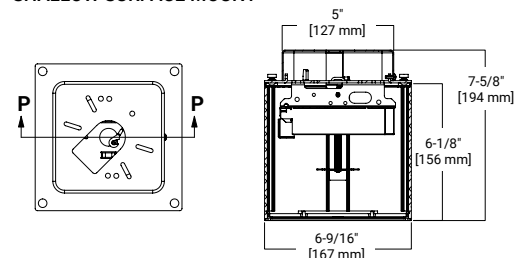- Options to meet Trade Agreements Act requirements

Dimensional and Mounting Details

additional product diagrams

6IN ROUND CYLINDER SHALLOW SURFACE MOUNT

5-1/2" [139 mm]
4-13/16" [122 mm]
8-1/8" [206 mm]
6-3/4" [171 mm]
6-3/16" [157 mm]
ø 6-9/16" [167 mm]

6IN SQUARE CYLINDER SHALLOW SURFACE MOUNT

5" [127 mm]
7-5/8" [194 mm]
6-1/8" [156 mm]
6-9/16" [167 mm]

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Order Information

SAMPLE ORDER NUMBER: **LERS6C10D010TRP**

Domestic Preferences [30]	Cylinder	Lumens	Driver	Remote [8]	Finish [10]
[Blank]=Standard **TAA**= Trade Agreements Act	**Ceiling surface mount** **LERS6C**=6-inch round surface mount **LESQS6C**= 6-inch square surface mount square aperture [1] **LESQRS6C**= 6-inch square surface mount round aperture [2] **Ceiling surface mount Square with conduit canpoy** **(for round use Conduit Canopy Kit accessory)** **LESQSMS6C** = 6-inch square surface mount square aperture with surface mount conduit canopy [1] **LESQRSMS6C** = 6-inch square surface mount, round aperture with surface mount conduit canopy [2] **Wall mount Downlight** **LERWMS6C**= 6-inch round wall mount **LESQRWMS6C**= 6-inch square wall mount round aperture [2] **LESQWMS6C**= 6-inch square wall mount square aperture [1] **Wall mount Up/down** **LERUDS6C**= 6-inch round wall mount up/down [4] **LESQUDS6C**= 6-inch square wall mount up/down square aperture [3] **LESQRUDS6C**= 6-inch square wall mount up/down round aperture [4] **Yoke mount** **LERYMS6C** = 6-inch round yoke mount [24] **LESQYMS6C** = 6-inch square yoke mount square aperture [1] [24] **LESQRYMS6C**= 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	**D010**=0-10V Dimming, 1% to 100%, 120V-277V **3D010**=0-10V Dimming, 1% to 100%, 347V, 800-3500 Lumens (250, 500, 4000 Lumens require a Remote Driver) **D010TR**=0-10V (120-277V) or line voltage (120V) dimming, 5-100%; 1 driver: 250 to 3500 / 2 drivers: (Downlight with Remote Driver only): 4000 Lumens **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V, 500-4000 lumens **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 500-4000 lumens **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4000 lumens [6] **DMXC5**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection, 800-4000 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 Lumens **DLV**=Low Voltage System, 800-3000 lumens	**blank**=Integral driver **R**=Remote driver [9]	**P**=White **MB**=Matte Black **SL**=Silver **BZ**=Bronze

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	**0208**=250, 500, 800 lumens (For use with D010 and D010TR; min 500 lumen with DE010 and D5LT; min 800 lumens with DLVP, Lutron and DMX) **1025**=1000, 1500, 2000 or 2500 Lumens **3035**=3000, 3500 lumens (For use with Lutron 3000-3500, DLVP 3000 lumens, DMX, D010, D010TR, D5LT and DE010 3000-3500) **4060**=4000 lumens **Two LEDs for cylinders with two drivers** **4080**=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
	ECA6C=6-inch cylinder adjustable light engine	**0235**=250, 500, 800, 1000, 1500, 2000, 2500, 3000, & 3500 lumens (For use with D010 and D010TR; min 500 lumen with DE010 and D5LT; min 800 lumens with Lutron and DMX; DLVP 800-3000 lumens)		

SAMPLE ORDER NUMBER: **6LBSS3LI**

Domestic Preferences	Trim	Reflector	Finish	
Domestic Preferences [30]	**Trim**	**Reflector**	**Finish**	
[Blank]=Standard **BAA**=Buy American Act (SS3 spun trim only)	**6LB**=6" Reflector	**SS3**=Round shallow spun aluminum **SCS3**=Round shallow die cast **SCSSQ3**=Square shallow die cast	**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]
	6LBA3 = 0-30° directional [35]		**MW**=Matte White **MB**=Matte Black **MMS**=Matte Metallic Silver	

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Order Information

REQUIRED if Remote Driver (R) is specified on Cylinder

Domestic Preferences [30]	Remote Drivers[8]	Lumens	Voltage	Driver	Options [31] [33]	Controls
[Blank]=Standard **TAA**= Trade Agreements Act	**RC100**=Remote 100 ft **RC75**= Remote 75 ft **RC50**= Remote 50 ft **RC25**= Remote 25 ft **RC15**= Remote 15 ft **RC5**= Remote 5 ft **RC2**= Remote 2 ft	**02**=250 lumens **05**=500 lumens [29] **08**=800 lumens **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens **25**=2500 lumens **30**=3000 lumens **35**=3500 lumens **40C**=4000 lumens	**blank**=120-277V (250-3500 lumens) [11] **1**=120V (3500 & 4000 lumens only) **2**=277V (3500 & 4000 lumens only) **3**=347V [34]	**D010**=0-10V Dimming, 1% to 100%, 120V-277V **3D010**=0-10V Dimming, 1% to 100%, 347V, 800-3500 Lumens **D010TR**=0-10V (120-277V) or line voltage (120V) dimming, 5-100%; 1 driver: 250 to 3500 / 2 drivers: 4000 Lumens **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V, 500-4000 lumens **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 500-4000 lumens **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4000 lumens [6] **DMXC5**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection, 800-4000 lumens [6] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120-277V; 1 driver: 800 to 3500 Lumens / 2 drivers: 4000 Lumens [12] **DLV**=Low Voltage System, 800-3000 lumens	**EMBOD**=Bodine® 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]

Domestic Preferences[30]	Accessories[35]		Type	Lengths
[Blank]=Standard **TAA**=Trade Agreements Act	**Pendant Kit**[22] **P836P**=White pendant stem kit for round suspended mount cylinder **P836BZ**=Bronze pendant stem kit for round suspended mount cylinder **P836MB**=Matte black pendant stem kit for roundf suspended mount cylinder **P836SL**=Silver pendant stem kit for round 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[27] **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 [27] **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 **LNE6SQUD**=up/down gasketed lens, wet location, square **Conduit Kit** [27] **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			

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
(8) Up down surface mount require 2 driver assemblies
(9) Order remote driver separately. See below to order.
(10) Consult factory for custom finishes.
(11) 3000 and below. Up to 3000 lumens does not need voltage specified.
(12) Only available up to 25 ft.
(13) Not available with up/down
(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.
(16) Beam angles are nominal with LI finish trims.
(17) Not available on CS distributions
(19) Available only on CS distributions
(20) 0-45° slope.
(21) ULus listed only
(24) Ceiling mount only
(25) Canopy mount driver available for all drivers except DMX, omit R in ordering information

(26) Not for use with remote driver
(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
(29) Limited to D010 drivers
(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 are 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) D010 800 to 4000 lumens. 250, 500 and 4000 lumens use step down transformer) All other drivers use step down transformer.
(35) Use with ECA6C

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°

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
- 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.

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 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 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.

WaveLinx LITE Tilemount Sensor Kit
- WaveLinx LITE WLST tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx Tilemount Kits Application
- The WPST and WLST tilemount 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 kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

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	
Input Voltage 120-277VAC	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
Input Power (W)	32.98	32.57	32	32.57	39.83	39.84	48.38	47.94
In-rush (A)	2.5	11.8	3.6	11.8	3.1	14.3	3.1	14.5
Inrush duration (µs)	215	111	220	111	200	94	197	95
THDi (%)	9.86	6.57	5.57	6.57	4.25	10.05	5.02	7.97
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

| |
|---|
| 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

98 CRI Color Metric Summary - 3500K*		
TM-30-15	Rf = 97	
	Rg = 100	
CRI/CIE	Ra = 92.2	
	R9 = 51.4	

2700K 3000K 3500K 4000K 5000K
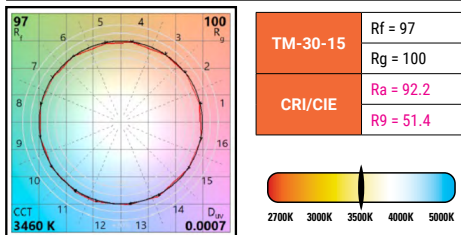
* Color values are based on haze reflector, other finishes and field results may vary.

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)
6LBSWNLI	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)

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Lighting Solutions

Photometric Data

SHALLOW 85° BEAM (H)

Test Number	P571662
Housing	LE*S6C20D010
Module	EU6C10259035
Trim	6LBSH
Lumens	2151
Efficacy	98.7 Lm/W
SC	1.06

CANDLEPOWER DISTRIBUTION

Downlight

1125
844
563
281
0

0-deg 45-deg 90-deg

CONE OF LIGHT

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

CANDELA TABLE

Degrees Vertical	Candela
0	1125
5	1116
15	1021
25	864
35	694
45	526
55	343
65	168
75	40
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	790	36.7
0-40	1224	56.9
0-60	1936	90
0-90	2151	100
90-180	0	0
0-180	2151	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
37	45292
45	40764
55	32821
65	21818
75	8536
85	0

SHALLOW 70° BEAM (LI)

Test Number	P571663
Housing	LE*S6C20D010
Module	EU6C10259035
Trim	6LBSLI
Lumens	2226
Efficacy	102.1 Lm/W
SC	0.91

CANDLEPOWER DISTRIBUTION

Downlight

1405
1054
703
351
0

0-deg 45-deg 90-deg

CONE OF LIGHT

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

CANDELA TABLE

Degrees Vertical	Candela
0	1405
5	1383
15	1175
25	913
35	695
45	523
55	338
65	163
75	38
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	879	39.5
0-40	1315	59.1
0-60	2019	90.7
0-90	2226	100
90-180	0	0
0-180	2226	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
37	45256
45	40516
55	32324
65	21170
75	8006
85	0

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
0.22	0.42	0.57	0.65	1.00	1.29	1.62	1.90	1.74	2.02

Multipliers for relative lumen values with other series models.

CCT Multipliers − 90CRI

2400K	2700K	3000K	3500K	4000K	5000K
0.912	0.949	0.986	1	1.001	1.022

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers − 97CRI

2700K	3000K	3500K	4000K	5000K
0.889	0.955	1	1.016	1.07

Multipliers for relative lumen values with other series color temperatures.

Color Finish Multipliers

Finish code	LI	H	WMH	WH	GPH	B	MW
Finish	Specular Clear	Semi-Specular Clear	Warm Haze	Wheat	Graphite Haze	Specular Black	Matte White
Multiplier	1.22	1	1.07	1.07	0.76	0.59	1.09

Multipliers for relative lumen values with other color finishes.

Dimensional and Mounting Details
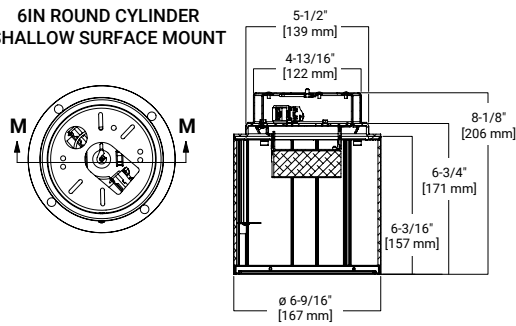
**6IN ROUND CYLINDER
SHALLOW SURFACE MOUNT**

M — M

5-1/2"
[139 mm]

4-13/16"
[122 mm]

8-1/8"
[206 mm]

6-3/4"
[171 mm]

6-3/16"
[157 mm]

ø 6-9/16"
[167 mm]

**6IN ROUND CYLINDER
SHALLOW WALL MOUNT**

M — M

Ø 5.5"
[140 mm]

6.7"
[171 mm]

6.3"
[159 mm]

ø 6.6"
[167 mm]

10.3"
[261 mm]

5"
[127 mm]

0.6"
[15 mm]

**6IN ROUND CYLINDER
SHALLOW UP DOWN**

P — P

5"
[127 mm]

3-1/16"
[78 mm]

10-5/16"
[263 mm]

ø 6-9/16"
[167 mm]

11-3/16"
[284 mm]

**6IN SQUARE CYLINDER
SHALLOW SURFACE MOUNT**

P — P

5"
[127 mm]

7-5/8"
[194 mm]

6-1/8"
[156 mm]

6-9/16"
[167 mm]

**6IN SQUARE CYLINDER
SHALLOW WALL MOUNT**

L — L

6.6"
[167 mm]

6.3"
[159 mm]

10"
[262 mm]

5"
[127 mm]

1.3"
[33 mm]

**6IN SQUARE CYLINDER
SHALLOW UP DOWN**

R — R

5"
[127 mm]

3-1/16"
[78 mm]

10-5/16"
[262 mm]

6-9/16"
[167 mm]

11-3/16"
[284 mm]

COOPER
Lighting Solutions

Dimensional and Mounting Details

6IN ROUND CYLINDER
SHALLOW YOKE MOUNT

SECTION E-E
SCALE 1 : 1

6IN SQUARE CYLINDER
SHALLOW YOKE MOUNT

SECTION A-A
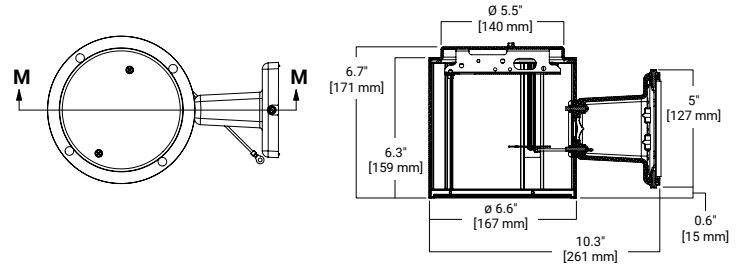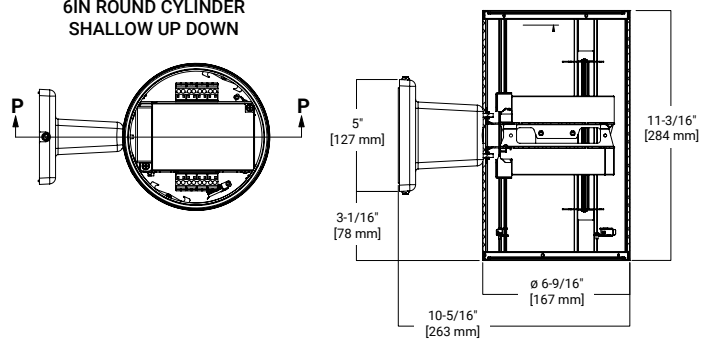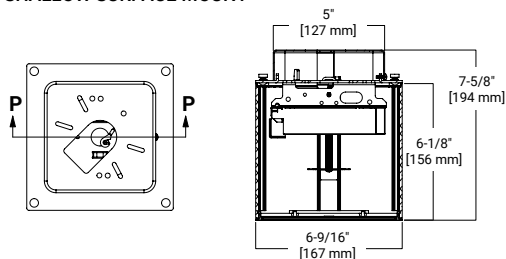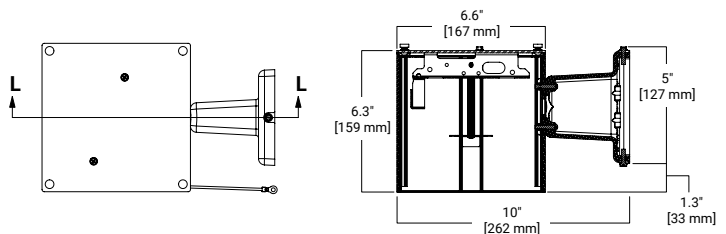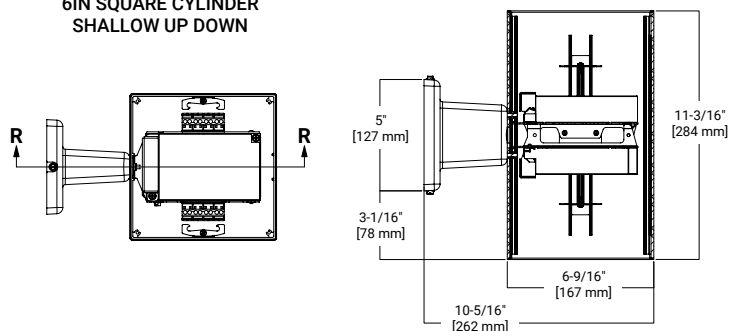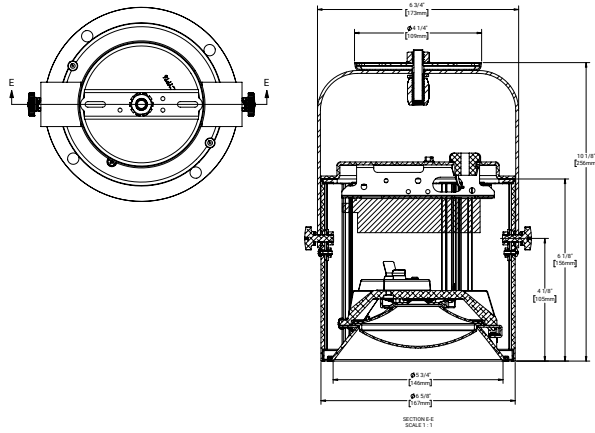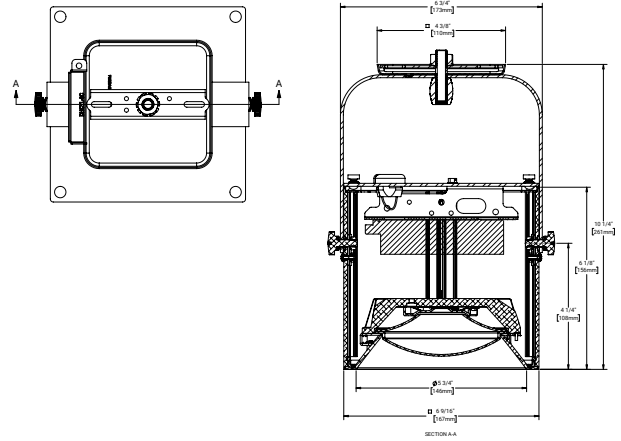
Connected Solutions

WaveLinx LITE - WLST Tilemount Sensor

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

| Network Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes |

WaveLinx LITE WLST Tilemount Wiring Diagram

120-277 VAC

Black (Hot)
White (Neutral)

Control module (MSP3IVMVDC1EP)

Pink (Dimming)
Purple (Dimming)
Blue (Not Switched)
White (Neutral)

0-10V DImming Driver

Includes switchleg (Blue load out wire) and 0-10V to each fixture controlled

WaveLinx Lite Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)
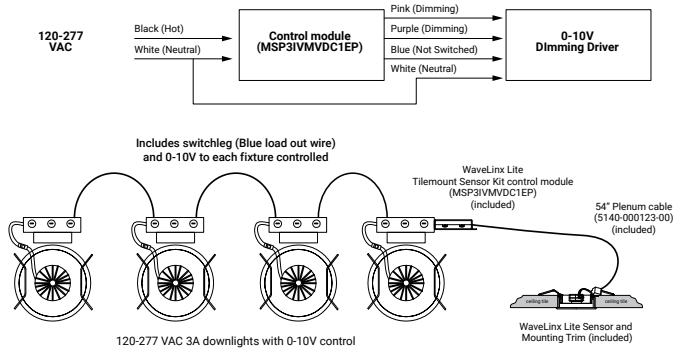
54" Plenum cable (5140-000123-00) (included)

WaveLinx Lite Sensor and Mounting Trim (included)

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

WaveLinx LITE Bluetooth Enabled System

MyApps Secure Portal
Site Initiation, Data Backup & Site Transfer

WaveLinx LITE Mobile Application

WaveLinx LITE Ambient | WaveLinx LITE Integrated Ambient | WaveLinx LITE Tilemount Sensor Kit | WaveLinx LITE Wallstation | WaveLinx LITE Integrated Industrial | WaveLinx LITE Integrated Parking Garage

WaveLinx PRO Wireless – WPST Tilemount Sensor

- 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

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

+

WaveLinx Area Controller
Provides centralized coordination of multiple area control options

+

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

+

Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

| Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control |
| Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response |

WaveLinx PRO WPST Tilemount Wiring Diagram

120-277 VAC

Black (Hot)
White (Neutral)

Control module (MSP3IVMVDC1EP)

Pink (Dimming)
Purple (Dimming)
Blue (Not Switched)
White (Neutral)

0-10V DImming Driver

Includes switchleg (Blue load out wire) and 0-10V to each fixture controlled

WaveLinx PRO Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)

54" Plenum cable (5140-000123-00) (included)

WaveLinx Sensor and Mounting Trim (included)

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

WaveLinx CORE Building Management Integration

BACnet/IP Public (REST) API

Desktop/Laptop with web browser (hardware provided by user)

WaveLinx CORE

Third Party system (hardware provided by others)

Building LAN

BACnet Router[1] (hardware provided by others)

PoE Power

Touchscreen

Smartphone with WaveLinx app used for system setup and personal control

Area or Room

WaveLinx Area Controller

Area or Room

Area or Room

120-347V 20A PRO Dimming Switchpacks | PRO Occupancy Ceiling Sensor | PRO Controlled Receptacle | PRO Wallstation | WaveLinx PRO enabled Indoor Fixture | WaveLinx PRO enabled Outdoor Fixture

KEY
Wi-Fi Signal
IEEE 802.15.4

WaveLinx PRO controlled devices

Cooper Lighting Solutions

Connected Solutions

WaveLinx PRO Wireless Node - WPN

- 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
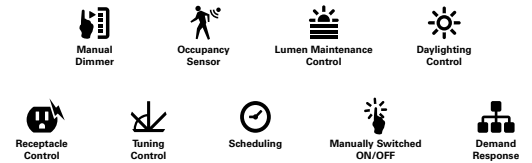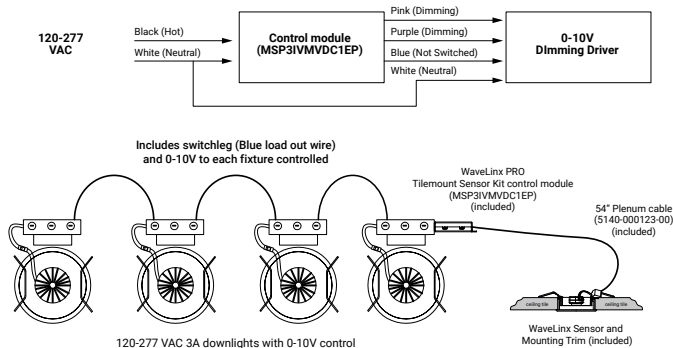- Stand-Alone Offices or Entire Building Network Installations

Downlights with wireless communication
Highly efficient LED fixtures

WaveLinx Area Controller
Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

Mobile Applications
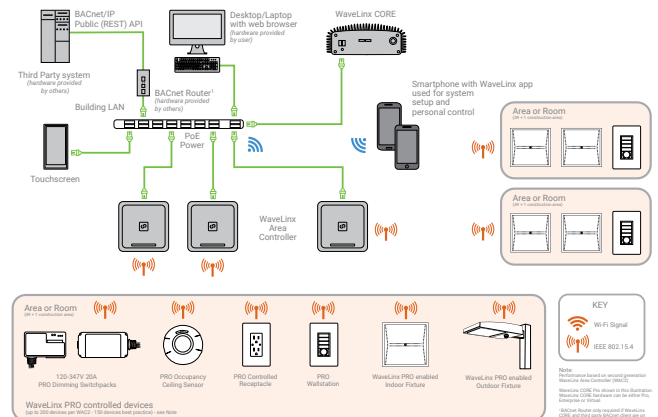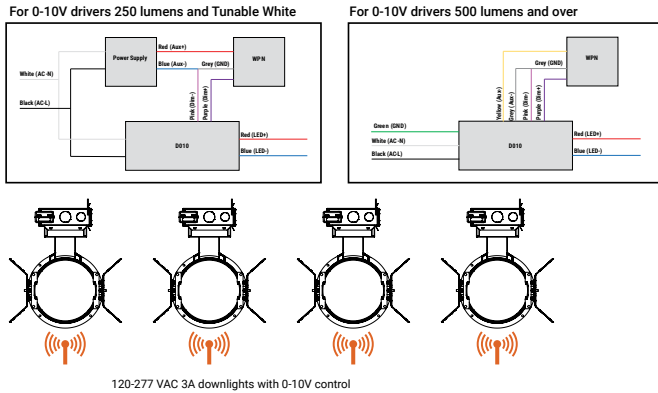Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

Manual Dimmer	**Occupancy Sensor**	**Lumen Maintenance Control**	**Daylighting Control**
Receptacle Control	**Tuning Control**	**Scheduling**	**Manually Switched ON/OFF**	**Demand Response**

WaveLinx PRO Wireless Node (WPN) Wiring Diagram

For 0-10V drivers 250 lumens and Tunable White

For 0-10V drivers 500 lumens and over

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

WaveLinx CORE Building Management Integration

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Peachtree City, GA 30269
P: 770-486-4800
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