Project		Catalog #		Type	
Prepared by		Notes		Date	

Surface Mount Wall Mount Yoke Mount

Portfolio

LERS4C/LESQS4C Cylinders

4" Shallow Round and Square Cylinder
Surface, Ceiling, Wall, Up/Down, Yoke, Stem and
Air Craft Cable Mount

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Residential

Interactive Menu

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

ENERGY STAR · UL CERTIFIED · Efficiency Standards T24 Can be used to comply with Title 24 Part 6 LED Enclosed Light Source Requirements (JA8) · RoHS COMPLIANT

damp location · wet location · WaveLinx LITE · WaveLinx PRO · powered by fifthlight technology

BAA BUY AMERICAN ACT COMPLIANT OPTIONS AVAILABLE · TAA TRADE AGREEMENTS ACT COMPLIANT OPTIONS AVAILABLE
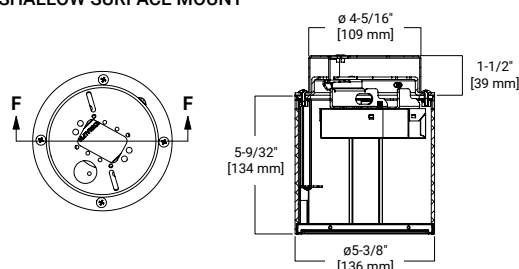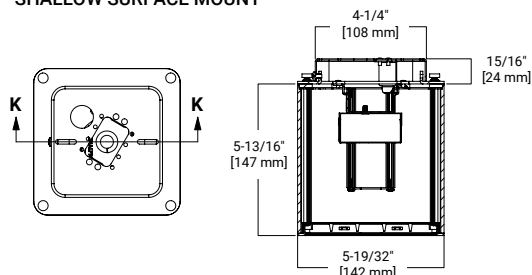
Top Product Features

- 250 to 3,000 lumens; Offered in 90, 97 and 98 CRI
- Extruded aluminum housing; Matte Black, White, Bronze and Silver paint finishes
- 6 color temperatures: 2400K, 2700K, 3000K, 3500K, 4000K and 5000K CCT
- Options to meet Trade Agreements Act requirements

Dimensional and Mounting Details

4IN ROUND CYLINDER SHALLOW SURFACE MOUNT

ø 4-5/16" [109 mm]
1-1/2" [39 mm]
5-9/32" [134 mm]
ø5-3/8" [136 mm]

4IN SQUARE CYLINDER SHALLOW SURFACE MOUNT

4-1/4" [108 mm]
15/16" [24 mm]
5-13/16" [147 mm]
5-19/32" [142 mm]

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

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Order Information

SAMPLE ORDER NUMBER: **LERS4C10D010TRP**

Domestic Preferences [30]	Cylinder	Lumens	Driver	Remote [8]	Finish [10]
[Blank]=Standard **TAA**= Trade Agreements Act **BAA**=Buy American Act	**Ceiling surface mount** **LERS4C**=4-inch shallow round surface ceiling mount **LESQS4C**= 4-inch shallow square surface ceiling mount square aperture [1] **LESQRS4C**=4-inch shallow square surface ceiling mount round aperture [2] **Ceiling surface mount Square with conduit canopy** **(for round use Conduit Canopy Kit accessory)** **LESQSMS4C**=4-inch shallow square surface ceiling mount square aperture with surface mount conduit canopy [1] **LESQRSMS4C**=4-inch shallow square surface ceiling mount, round aperture with surface mount conduit canopy [2] **Wall mount Downlight** **LERWMS4C**= 4-inch shallow round wall mount **LESQWMS4C**= 4-inch shallow square wall mount square aperture [1] **LESQRWMS4C**= 4-inch shallow square wall mount round aperture [2] **Wall mount Up/down** [20] [28] **LERUDS4C**= 4-inch shallow round wall mount up/down [4] **LESQUDS4C**= 4-inch shallow square wall mount up/down square aperture [3] **LESQRUDS4C**= 4-inch shallow square wall mount up/down round aperture [4] **Yoke mount** **LERYMS4C**=4-inch shallow round yoke mount [24] **LESQYMS4C**=4-inch shallow square yoke mount square aperture [1] [24] **LESQRYMS4C**=4-inch shallow 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	**D010**=0-10V Dimming, 1% to 100%, 120V-277V (2500-3000 Lumens requires a Remote Driver) **3D010**=0-10V Dimming, 1% to 100%, 347V, 800-2000 Lumens (250, 500, 2500-3000 Lumens requires a Remote Driver) **D010TR**=0-10V (120-277V) or line voltage (120V) dimming, 1% to 100%, 250-2000 Lumens (2500 & 3000 Lumens requires a Remote Driver) **Remote Driver Only** **DE010**=0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens **DMX**=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens [6] **DMXC5**=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection, 500-3000 lumens [6] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120-277V; 500-3000 lumens **DLV**=Low Voltage System, 800-3000 lumens	**blank**=Integral driver **R**=Remote driver [9]	**P**=White **MB**=Matte Black **SL**=Silver **BZ**=Bronze

Power Module Choose between EC4C downlight or ECA4C adjustable

SAMPLE ORDER NUMBER: **EC4C10209035**

Domestic Preferences [30]	Power Module	Lumen Levels [35]	Color	
[Blank]=Standard **TAA**= Trade Agreements Act **BAA**=Buy American Act	**EC4C**=4-inch cylinder light engine	**0208**=250, 500, 800 Lumens **1020**=1000, 1500, or 2000 Lumens **2535**=2500, 3000 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: **ECA4C1020FL9030MW**

Domestic Preferences [30]	Power Module [35]	Distribution	Color		Finish
[Blank]=Standard **TAA**= Trade Agreements Act	**ECA4C0208** =4-inch cylinder adjustable light engine; 250, 500, 800 Lumens **ECA4C1020** =4-inch cylinder adjustable light engine; 1000, 1500, or 2000 Lumens	**NFL**=Narrow Flood **FL**=Flood	**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	**MW**=Matte White **MB**=Matte Black **MMS**=Matte Metallic Silver

Trim is included with ECA4C adjustable power module. Do not order a separate trim.

SAMPLE ORDER NUMBER: **4LBSS3H**

Domestic Preferences [30]	Trim	Reflector	Finish	
[Blank]=Standard **BAA**=Buy American Act (SS3 spun trim only)	**4LB**=4" Reflector	**SS3**=Round shallow spun aluminum **SCS3**=Round shallow die cast **SCSSQ3**=Square shallow die cast (for use with LESQUDS, LESQS)	**LI**=Specular Clear [15] **H**=Semi-Specular Clear [15] **WMH**=Warm Haze [15] **WH**=Wheat [15] **GPH**=Graphite Haze [15]	**B**=Specular Black [15] **MW**=Matte White **MB**=Matte Black [16] **MMS**=Matte Metallic Silver [16]

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Order Information

REQUIRED if Remote Driver (R) is specified on Cylinder

Remote Drivers [8]	Lumens	Voltage	Driver	Options [31] [33]	Controls
RC100=Remote 100 ft **RC75**= Remote 75ft **RC50**= Remote 50 ft **RC25**= Remote 25ft **RC15**= Remote 15ft **RC5**= Remote 5ft **RC2**= Remote 2 ft	**02**=250 lumens **05**=500 lumens **08**=800 lumens **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens **25**=2500 lumens **30**=3000 lumens	**blank**=120-277V **3**=347V [34]	**D010**=0-10V Dimming, 1% to 100%, 120V-277V **D010TR**=0-10V (120-277V) or line voltage (120V) dimming,1% to 100% **DE010**=0-10V Linear Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens **DMX**=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 800-3000 lumens [7] **DMXC5**=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection, 800-3000 lumens [7] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120-277V; 1 driver: 800 to 3000 Lumens / 2 drivers (Downlight and Remote only): 3000 Lumens [11] **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 PRO Sensor Kit [13] [26] **WLST**=Factory installed WaveLinx LITE Sensor Kit [13] [27] **WPN** = WaveLinx PRO Wireless Node without sensor [13] **WLN** = WaveLinx LITE Wireless Node without sensor [23]

Domestic Preferences [30]	Accessories [29]		Type	Lengths
[Blank]=Standard **TAA**= Trade Agreements Act **BAA**=Buy American Act	**Pendant Kit** [17] [36] **P436P**=White pendant stem kit for suspended mount cylinder **P436BZ**=Bronze pendant stem kit for suspended mount cylinder **P436MB**=Matte black pendant stem kit for suspended mount cylinder **P436SL**=Silver pendant stem kit for suspended mount cylinder		**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 and remote drivers **RM**=for Remote drivers	**Blank**=36" **SP***=* Specify 6" to 144" in 1" increments
	Conduit Pendant Kit [25] [36] **PMRCC4P**=Round pendant stem kit with conduit knockout cover, white **PMRCC4MB**=Round pendant stem kit with conduit knockout cover, black **PMRCC4BZ**=Round pendant stem kit with conduit knockout cover, bronze **PMRCC4SL**=Round pendant stem kit with conduit knockout cover, silver	**PMSQCC44P**=Square pendant stem kit with conduit knockout cover, white **PMSQCC4MB**=Square pendant stem kit with conduit knockout cover, black **PMSQCC4BZ**=Square pendant stem kit with conduit knockout cover, bronze **PMSQCC4SL**=Square pendant stem kit with conduit knockout cover, silver		**Blank**=36" **SP***=* Specify 6" to 144" in 1" increments
	Aircraft cable [36] **AC4120P**=120" white aircraft cable kit **AC448P**=48" white aircraft cable kit **AC4120MB**=120" black aircraft cable kit **AC448MB**=48" black aircraft cable kit		**Blank**=5 conductors **DMXC5**=DMX/RDM logarithmic Dimming with RJ45 connection	
[Blank]=Standard **TAA**= Trade Agreements Act	**LNE4RUD**=up/down gasketed lens, wet location, round [20] **LNS4SQUD**=up/down gasketed lens, wet location square [20]	**Conduit Kit** [25] **SMRCC4P**=Round conduit canopy for round surface mount, white **SMRCC4MB**=Round conduit canopy for round surface mount, black **SMRCC4BZ**=Round conduit canopy for round surface mount, bronze **SMRCC4SL**=Round conduit canopy for round surface mount, silver	**Connected Lighting Systems** [13] **WPST**=Field installed WaveLinx PRO sensor Kit [26] **WLST**=Field installed WaveLinx LITE Sensor Kit [27]	

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

(6) DMX fixtures default to full on upon loss of DMX signal

(7) 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) Only available up to 25 ft.

(12) Not available with up/down

(13) 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.

(14) Refer to system specifications for additional information, features, and benefits. Use with 0-10V driver.

(15) Anodized or spun reflectors

(16) Die cast only

(17) 0-45° slope.

(19) Use with remote driver.

(20) Up/down lens required for wet location

(21) ULus listed only

(22) Remote driver only. W2N not compatible with LuxWire.

(23) 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.

(24) Ceiling mount only

(25) Not for use with remote driver

(26) WPST = WaveLinx PRO wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.

(27) WLST = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications)

(28) Lumen specified for up/down is the same for both directions. Ex. 800 lumens will be 800 lumens up & 800 lumens down.

(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 website 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. Consult factory for further information.

(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 3000 lumens. 500 and 3000 lumens use step down transformer) All other drivers use step down transformer.

(35) Nominal Lumens will vary depending on selected color, driver and reflector finish.

36. Order with ceiling mount cylinder.

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
- 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
- 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 remote 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

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

Energy and Performance 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	
Input Voltage 120-277VAC	120V	277V	120V	277V
Input Current (A)	0.276	0.121	0.276	0.041
Input Power (W)	32.98	32.57	32	10.52
In-rush (A)	2.5	11.8	3.6	8.3
Inrush duration (µs)	215	111	220	135
THDi (%)	9.86	6.57	5.57	9.63
PF	≥ 0.99	≥ 0.97	≥ 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

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 - 3500K*
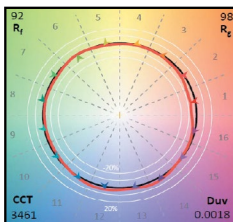
TM-30-15	Rf=92
	Rg=98
CRI/CIE	Ra=92.2
	R9=51.4
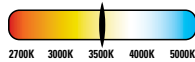
97 CRI Color Metric Summary - 2700K*
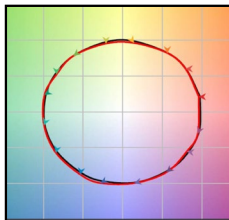
TM-30-15	Rf=95
	Rg=99.8
CRI/CIE	Ra=97.2
	R9=95.5
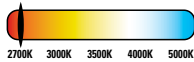
97 CRI Color Metric Summary - 3000K*

TM-30-15	Rf=93.9
	Rg=100.2
CRI/CIE	Ra=98.7
	R9=97.2
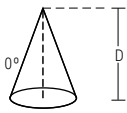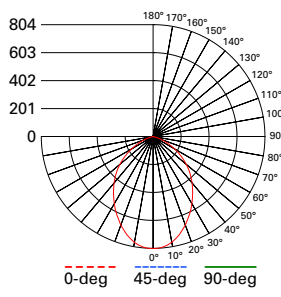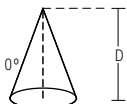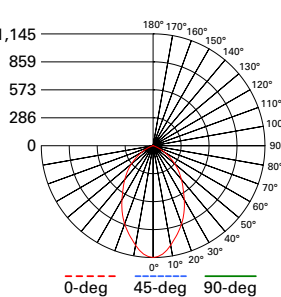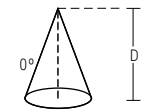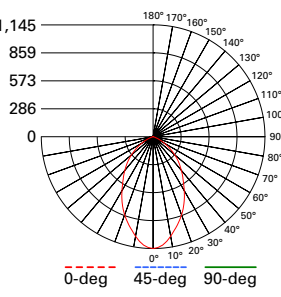
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Photometric Data

SHALLOW 85° BEAM (H)

Test Number	P571640
Housing	LE*S4C15D010
Module	EU4C10209035
Trim	4LBSH
Lumens	1538
Efficacy	97.3 Lm/W
SC	1.06

CANDLEPOWER DISTRIBUTION

Downlight

0-deg   45-deg   90-deg

CONE OF LIGHT

D	FC	L	W
4'	50.3	4.2	4.2
7'	16.4	7.4	7.4
9'	9.9	9.4	9.4
13'	4.8	13.6	13.6
16'	3.1	16.8	16.8

CANDELA TABLE

Degrees Vertical	Candela
0	804
5	798
15	730
25	618
35	496
45	376
55	246
65	120
75	29
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	565	36.7
0-40	875	56.9
0-60	1384	90
0-90	1538	100
90-180	0	0
0-180	1538	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
37	72577
45	65309
55	52605
65	34942
75	13670
85	0

SHALLOW 65° BEAM (LI)

Test Number	P571641
Housing	LE*S4C15D010
Module	EU4C10209035
Trim	4LBSLI
Lumens	1604
Efficacy	101.5 Lm/W
SC	0.91

CANDLEPOWER DISTRIBUTION

Downlight

0-deg   45-deg   90-deg

CONE OF LIGHT

D	FC	L	W
4'	71.6	3.6	3.6
7'	23.4	6.2	6.2
9'	14.1	8.2	8.2
13'	6.8	11.8	11.8
16'	4.5	14.4	14.4

CANDELA TABLE

Degrees Vertical	Candela
0	1145
5	1115
15	945
25	749
35	534
45	371
55	208
65	73
75	4
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	712	44.4
0-40	1048	65.3
0-60	1520	94.8
0-90	1604	100
90-180	0	0
0-180	1604	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
37	77201
45	64475
55	44508
65	21163
75	1709
85	0

Photometric Multipliers (Nominal Lumen Values)

250 Lumen	500 Lumen	800 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen
0.224	0.423	0.569	0.653	1.00	1.29	1.62	1.902

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 (*from H = Semi Specular Clear*)

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	1.25	1.00	1.02	1.02	0.72	0.55	0.95

Multipliers for relative lumen values with other color finishes.

Dimensional and Mounting Details
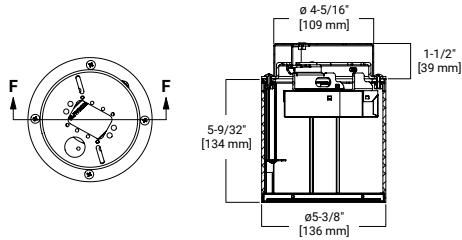
**4IN ROUND CYLINDER
SHALLOW SURFACE MOUNT**

ø 4-5/16"
[109 mm]

1-1/2"
[39 mm]

5-9/32"
[134 mm]

ø5-3/8"
[136 mm]

F   F

**4IN ROUND CYLINDER
SHALLOW WALL MOUNT**

0.6"
[15 mm]

ø 4"
[103 mm]

4.6"
[117 mm]

6"
[153 mm]

0.8"
[21 mm]

ø5.3"
[136 mm]

ø8.2"
[209 mm]

I   I

**4IN ROUND CYLINDER
SHALLOW UP DOWN**

5"
[127 mm]

12-1/2"
[318 mm]

3-3/4"
[95 mm]

ø5-3/8"
[136 mm]

9"
[230 mm]

A   A

**4IN SQUARE CYLINDER
SHALLOW SURFACE MOUNT**

4-1/4"
[108 mm]

15/16"
[24 mm]

5-13/16"
[147 mm]

5-19/32"
[142 mm]

K   K

**4IN SQUARE CYLINDER
SHALLOW WALL MOUNT**

5.6"
[142 mm]

4.6"
[117 mm]

5.9"
[150 mm]

0.6"
[16 mm]

8.6"
[218 mm]

A   A

**4IN SQUARE CYLINDER
SHALLOW UP DOWN**

5"
[127 mm]

12-5/8"
[322 mm]

3-27/32"
[98 mm]

5-19/32"
[142 mm]

9-5/16"
[237 mm]

A   A

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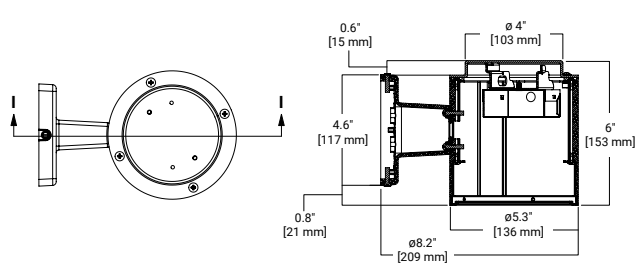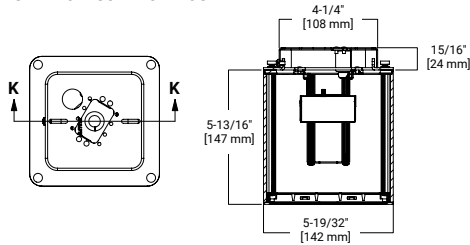
Dimensional and Mounting Details

**4IN ROUND CYLINDER
SHALLOW YOKE MOUNT**

**4IN SQUARE CYLINDER
SHALLOW YOKE MOUNT**

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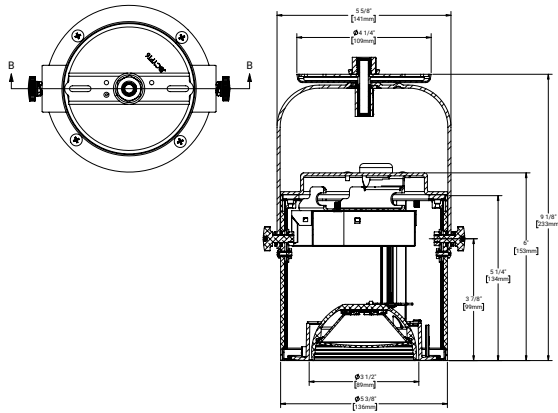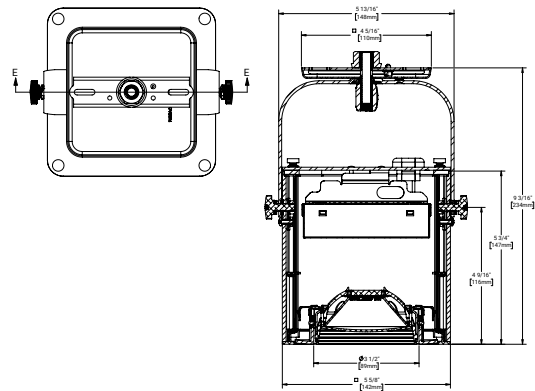
Connected Solutions
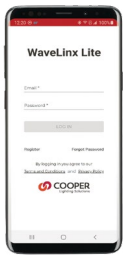
WaveLinx LITE - WLST Tilemount Sensor

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

| 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

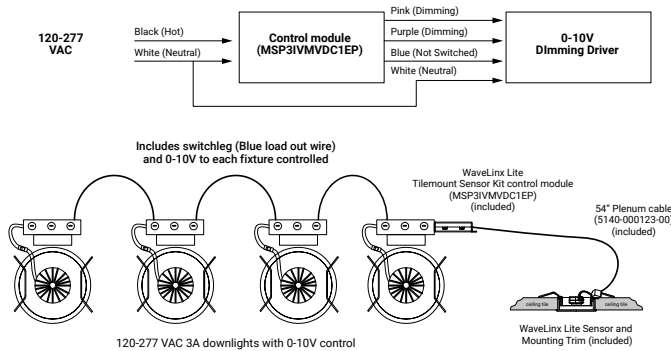WaveLinx Lite Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)

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

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

WaveLinx Lite Sensor and Mounting Trim (included)

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
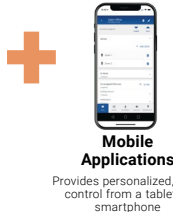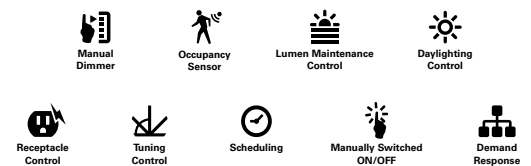

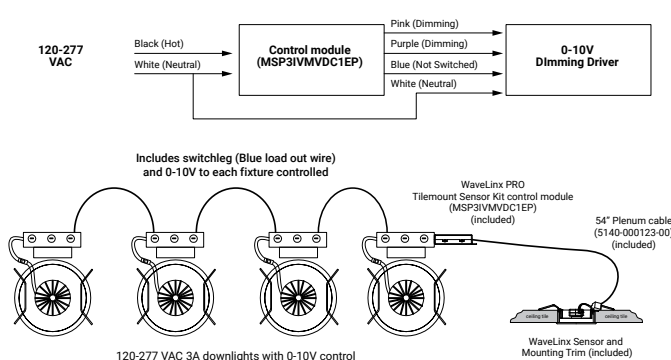### WaveLinx PRO Wireless – WPST Tilemount Sensor

WaveLinx PRO 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

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)

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

WaveLinx Sensor and Mounting Trim (included)

WaveLinx CORE Building Management Integration

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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

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

WaveLinx LITE Wireless Node (WLN) Wiring Diagram

D010 (500lm +)

D010 (250lm) & DE010

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
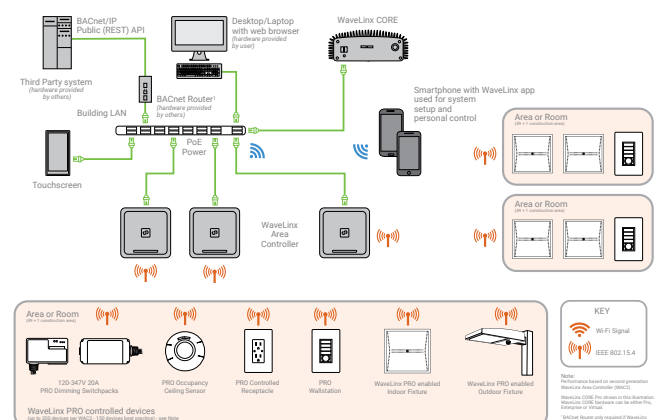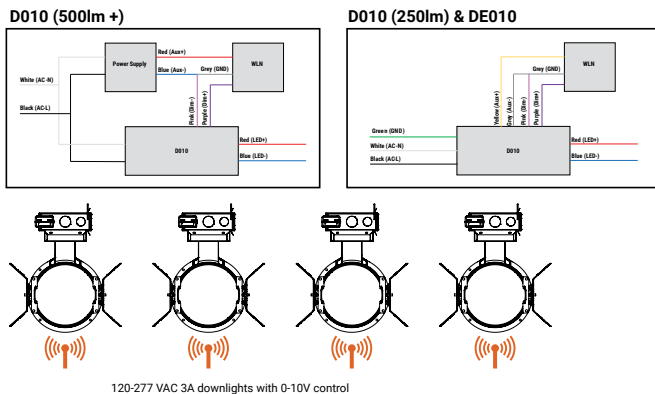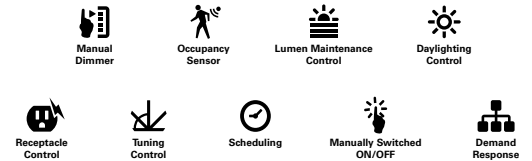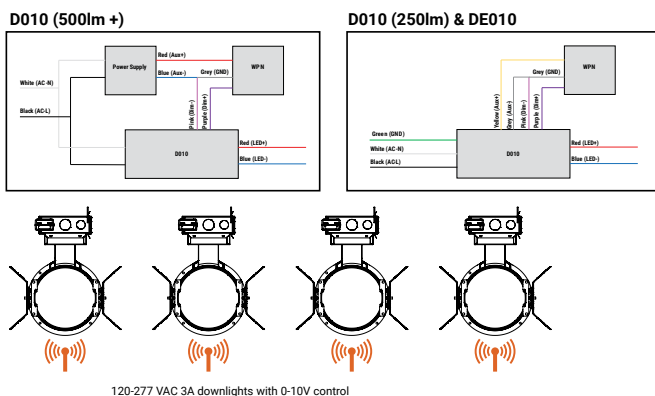- Stand-Alone Offices or Entire Building Network Installations

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
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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

D010 (500lm +)

D010 (250lm) & DE010

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

WaveLinx CORE Building Management Integration

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