Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

Portfolio

LER4B/LESQ4B Cylinders

LER4B/LESQ4B/LSRSYM4B/LSSQSYM4B
LED 4" Round and Square Cylinder

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

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Energy Data page 4
- Photometric Data page 5
- Connected Systems page 12
- Product Warranty

Product Certification

Product Features

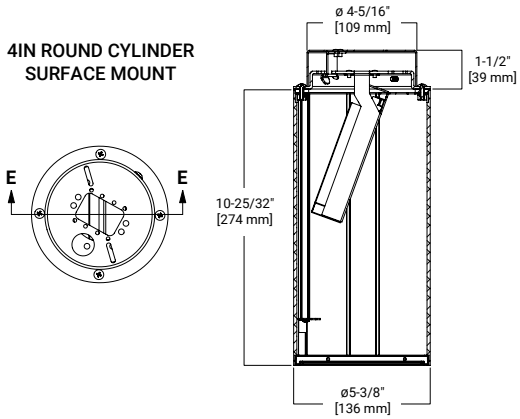
Top Product Features

- 500 to 4,000 lumens; Offered in 80, 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; D2W™ option from 3000K to 1850K
- W2N Tunable White 2700K-6500K or 2000K-5000K
- Options to meet Trade Agreements Act requirements

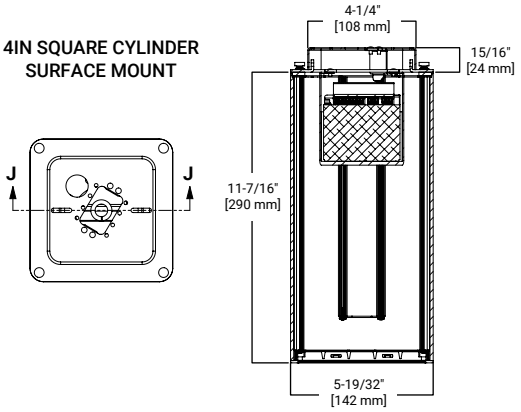
Dimensional and Mounting Details

additional product diagrams

4IN ROUND CYLINDER
SURFACE MOUNT



4IN SQUARE CYLINDER
SURFACE MOUNT



Order Information

SAMPLE ORDER NUMBER: **LER4B10D010TRP**

Domestic Preferences [30]	Cylinder	Lumens	Voltage	Driver	Remote[8]	Finish[10]
[Blank]=Standard **TAA**= Trade Agreements Act	**Ceiling surface mount** **LER4B**=4-inch round surface mount **LESQ4B**= 4-inch square surface mount square aperture [1] **LESQR4B**= 4-inch square surface mount round aperture [2] **LESQSMS4B** = 4-inch square surface mount square aperture with surface mount conduit canopy [1] **LESQRSM4B** = 4-inch square surface mount, round aperture with surface mount conduit canopy [2] **Wall mount** **LERWM4B**= 4-inch round wall mount **LERUD4B**= 4-inch round wall mount up/down [4] [31] **LESQWM4B**= 4-inch square wall mount square aperture [1] **LESQRWM4B**= 4-inch square wall mount round aperture [2] **LESQUD4B**= 4-inch square wall mount up/down square aperture [3] [31] **LESQRUD4B**= 4-inch square wall mount up/down round aperture [4] [31] **LuxWire aircraft cable** **LESQUDPC4B** = 4-inch up/down square, square opening LuxWire aircraft cable with power 120" [3] [22] [25] **LESQRUDPC4B** = 4-inch up/down square, round opening LuxWire aircraft cable with power 120" [4] [22] [25] **LESQPC4B** = 4-inch square, square aperture surface mount LuxWire aircraft cable with power 120" [25] **LESQRPC4B** = 4-inch square with round aperture surface mount LuxWire aircraft cable with power 120" [25] **LERPC4B** = 4-inch round surface mount LuxWire aircraft cable with power 120" [25] **LERSUDPC4B** = 4-inch up/down round aircraft cable with power mount 120" [4] [22] **Yoke mount** **LERYM4B** = 4-inch round yoke mount[24] **LESQYM4B** = 4-inch square yoke mount square aperture [1][24] **LESQRYM4B** = 4-inch square yoke mount round aperture [2][24]	**05**=500 lumens[29] **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens **30**=3000 lumens **40**=4000 lumens	**blank**=120-277V **3**=347V[5]	**D010**=0-10V Dimming, 1% to 100%, 120V-277V **D010TR**=0-10V (120-277V) or line voltage (120V) dimming, 5-100% **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V[6] **DMXC5**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection[6] **DL2**=1 to 100% dimming, 120V Lutron Hi-Lume forward phase dimming **DLE**=Lutron Ecosystem dimming 1% to 100%, 120-277V **DLV**=Low Voltage System[7] **Tunable White 1000-2000 lumens**[23] **DE010W2N2765** = 0-10V dimming, 0% to 100%, 120-277V, 2700K-6500K **DE010W2N2050** = 0-10V dimming, 0% to 100%, 120-277V, 2000K-5000K **D5LTW2N2765** = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2700K-6500K **D5LTW2N2050** =Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2000K-5000K	**blank**=Integral driver **R**=Remote driver [9]	**P**=White **MB**=Matte Black **SL**=Silver **BZ**=Bronze

Power Module **Choose between EC4B downlight or ECA4B adjustable**

SAMPLE ORDER NUMBER: **EC4B10208035**

Domestic Preferences [30]	Power Module	Lumen Levels[15]	Color				
[Blank]=Standard **TAA**= Trade Agreements Act	**EC4B**=4-inch cylinder light engine	**1020=**1000, 1500, or 2000 Lumens **3040=**3000 or 4000 Lumens	**80 CRI** **8027**= 80CRI, 2700K **8030**= 80CRI, 3000K **8035**= 80CRI, 3500K **8040**= 80CRI, 4000K **8050**= 80CRI, 5000K	**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	**Dim 2 Warm** **109030D2W=**1000 Lumen, 90 CRI, Dim 2 Warm, IC Rated **159030D2W=**1500 Lumen, 90 CRI, Dim 2 Warm, IC Rated **209030D2W=**2000 Lumen, 90 CRI, Dim 2 Warm, IC Rated **309030D2W=**3000 Lumen, 90 CRI, Dim 2 Warm	**W2N Tunable White**[23] **1020W2N902050=**1000, 1500, 2000 lumens, 90 CRI, tunable white 2000K-5000K **1020W2N902765=**1000, 1500, 2000 lumens, 90 CRI, tunable white 2700K-6500K

SAMPLE ORDER NUMBER: **ECA4B1020FL8030MW**

Domestic Preferences [30]	Power Module [15]	Distribution	Color			Finish
[Blank]=Standard **TAA**= Trade Agreements Act	**ECA4B1020** =4-inch cylinder adjustable light engine; 1000, 1500, or 2000 Lumens **TAA-ECA4B1020** =4-inch cylinder adjustable light engine; 1000, 1500, or 2000 Lumens, Trade Agreements Act [30]	**NFL=**Narrow Flood **FL=**Flood	**80 CRI** **8027**= 80CRI, 2700K **8030**= 80CRI, 3000K **8035**= 80CRI, 3500K **8040**= 80CRI, 4000K **8050**= 80CRI, 5000K	**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
	Notes (15) Nominal Lumens will vary depending on selected color, driver and reflector finish.	**Notes**	**Notes**			**Notes**

Trim is included with ECA4B adjustable power module. Do not order a separate trim.

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.
(6) DMX fixtures default to full on upon loss of DMX signal
(7) Limited to 3000 Lumens
(8) Up down surface mount require 2 driver assemblies
(9) Order remote driver separately. See below to order.
(10) Consult factory for custom finishes.
(15) Nominal Lumens will vary depending on selected color, driver and reflector finish.
(21) No D2W or W2N versions.
(22) LuxWire limited to 3000 lumens
(23) W2N not compatible with LuxWire.
(24) Ceiling mount only
(25) Canopy mount driver available for all drivers except DMX, omit R in ordering information
(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 may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements.
(31) DMX drivers with shallow trim only.

Order Information

SAMPLE ORDER NUMBER: **4LBN3LI**

Domestic Preferences [30]	Trim	Distribution[16]		Flange	Finish	
[Blank]=Standard **TAA**= Trade Agreements Act	**4LB**=4" LED	**N**=Narrow (30° Beam), Spun Aluminum **M**=Medium (50° Beam), Spun Aluminum **W**=Wide (75° Beam), Spun Aluminum **S**=Shallow (75° Beam), Spun Aluminum **CS**=Cast Shallow (75° Beam), Die Cast Aluminum	**BA**=Spun Aluminum Baffle **SW**=Single Wall Wash, Spun Aluminum **DW**=Double Wall Wash, Spun Aluminum **Square** **SQ**=Anodized Aluminum **CSSQ**=Shallow Die Cast Aluminum	**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[19]

REQUIRED if Remote Driver (R) is specified on Cylinder

Domestic Preferences [30]	Remote Drivers[8]	Lumens	Voltage	Driver	Options	Controls
[Blank]=Standard **TAA**= Trade Agreements Act	**R100**=Remote 100 ft **R75**= Remote 75 ft **R50**= Remote 50 ft **R25**= Remote 25 ft **R15**= Remote 15 ft **R5**= Remote 5 ft **R2**= Remote 2 ft	**05**=500 lumens[29] **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens **30**=3000 lumens **40**=4000 lumens	**blank**=120-277V[11] **1**=120V (4000 only) **2**=277V (4000 only) **3**=347V	**D010**=0-10V Dimming, 1% to 100%, 120V-277V **D010TR**=0-10V (120-277V) or line voltage (120V) dimming, 5-100% **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V[6] **DMXC5**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection[6] **DL2**=1 to 100% dimming, 120V Lutron Hi-Lume forward phase dimming[12] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120-277V[12] **DLV**=Low Voltage System[7] **Tunable White 1000-2000 lumens**[13][23] **DE010W2N2765** = 0-10V dimming, 0% to 100%, 120-277V, 2700K-6500K **DE010W2N2050** = 0-10V dimming, 0% to 100%, 120-277V, 2000K-5000K **D5LTW2N2765** = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2700K-6500K **D5LTW2N2050** =Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2000K-5000K	**EM7**=7W emergency mdoule with remote test switch **EM14**=14W emergency mdoule with remote test switch **EMBOD**=Bodine® Emergency Module with Remote Test Switch **EMV7**=7W emergency mdoule for use with DLV driver with remote test switch **EMV14**=14W emergency mdoule for use with DLV driver with remote test switch	**WTA** = Factory installed WaveLinx sensor Kit [14] [27] **WTK** = Factory installed WaveLinx Lite Sensor Kit [14] [28]

Domestic Preferences [30]	Accessories		Type	Lengths
[Blank]=Standard **TAA**= Trade Agreements Act	**Pendant Kit**[20] **P436P**=White pendant stem kit for round suspended mount cylinder **P436BZ**=Bronze pendant stem kit for round suspended mount cylinder **P436MB**=Matte black pendant stem kit for round suspended mount cylinder **P436SL**=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**= 5 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[26] **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	**PMSQCC4P** = 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 [26] **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 conductor **DMXC5**=DMX/RDM logarithmic Dimming with RJ45 connection	
	LNE4RUD=up/down gasketed lens, wet location, round **LNS4SQUD** = up/down gasketed lens, wet location square **Conduit Kit** [26] **SMRCC4P** = Round conduit canopy for surface mount, white **SMRCC4MB** = Round conduit canopy for surface mount, black **SMRCC4BZ** = Round conduit canopy for surface mount, bronze **SMRCC4SL** = Round conduit canopy for surface mount, silver	**Connected Lighting Systems**[14] **WTA** = Field installed WaveLinx sensor Kit [27] **WTK** = Field installed WaveLinx Lite Sensor Kit[28]		

Notes

(6) DMX fixtures default to full on upon loss of DMX signal
(7) Limited to 3000 Lumens
(8) Up down surface mount require 2 driver assemblies
(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.
(16) Beam angles are nominal with LI finish trims.
(17) Not available on CS or BA distributions
(18) Available with BA and CS distributions
(19) Available only on CS distributions
(20) 0-45° slope.
(23) W2N not compatible with LuxWire.
(26) Not for use with remote driver
(27) WTA = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
(28) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications)
(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 may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements.

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
- LuxWire™ provides low voltage power to the cylinder via 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 high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation
- Lumen output shall not decrease by more than 10% over the minimum life of 55,000 hours (L90 > 55,000 hours)
- Color variation within 2-step MacAdam ellipses
- Quick disconnect allows for tool-less replacement of LED engine from below ceiling
- Available in 2400K, 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Available in 80, 90 or 97 color rendering index (CRI)

VividTune™ Color Tuning Solutions
- D2W™ – Dim-to-Warm shifts CCT from 3000K to 1850K as fixture dims, mimicking halogen sources
- W2N – Tunable white CCT range from 2700K to 6500K or 2000K to 5000K; 90 CRI

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 Options
Two WaveLinx connected systems to choose from. Refer to WaveLinx system specifications and application guides for details.

<u>WaveLinx Wireless System Tilemount Sensor Kit</u>
- WaveLinx Wireless WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

<u>WaveLinx Lite System Tilemount Sensor Kit</u>
- WaveLinx Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

<u>WaveLinx Tilemount Kits Application</u>
- The WTA and WTK 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 WTA and WTK 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 and 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

Energy Data

ENERGY DATA
Sound Rating: Class A standards
(Values at non-dimming line voltage)
Minimum Starting Temperature: -30°C (-22°F)
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)
Input Voltage: UNV (120V - 277V)
Power Factor: >0.90 (at nominal input 120-277 VAC & 100% of Rated Output Power)
Input Frequency: 50/60Hz

	120V		277V	
Lumens	**Inrush (A)**	**Duration (ms)**	**Inrush (A)**	**Duration (ms)**
1000 Lumen D010	1.02	0.041	2.18	0.021
1500 Lumen D010	1.02	0.042	2.24	0.064
2000 Lumen D010	1.02	0.077	2.43	0.027
3000 Lumen D010	1.15	0.067	3.26	0.027
4000 Lumen D010	1.2	0.088	3.9	0.03

1000 Lumen D010	
Input Power: 11W	THD <14%
Input Current: 0.09A	277V Input Current: 0.04A

1500 Lumen D010	
Input Power: 15.5W	THD <13%
Input Current: 0.13A	277V Input Current: 0.06A

2000 Lumen D010	
Input Power: 21.2 W	THD <9%
Input Current: 0.18A	277V Input Current: 0.08A

3000 Lumen D010	
Input Power: 27.6 W	THD <10%
Input Current: 0.23A	277V Input Current: 0.10A

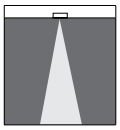
4000 Lumen D010	
Input Power: 41.6 W	THD <13%
Input Current: 0.35A	277V Input Current: 0.15A

Photometric Data

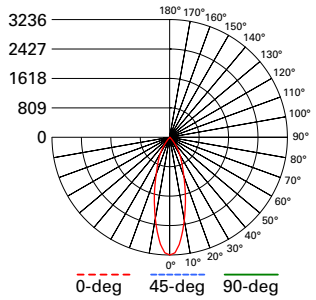
View IES files

NARROW

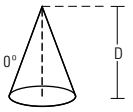
Test Number	P407594
Housing	LER4B15D010
Module	EC4B10208035
Trim	4LBN3LI
Lumens	1309
Efficacy	91.5 Lm/W
SC	0.5
UGR	11



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	107	2.6	2.6
7'	66	3.4	3.4
8'	50.6	3.8	3.8
9'	40	4.4	4.4
10'	32.4	4.8	4.8
12'	22.5	5.8	5.8

CANDELA TABLE

Degrees Vertical	Candela
0	3236
5	2958
15	1648
25	773
35	309
45	37
55	3
65	1
75	0
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1074	82.1
0-40	1269	96.9
0-60	1307	99.9
0-90	1309	100
90-180	0	0
0-180	1309	100

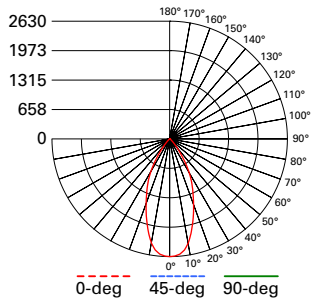
LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	567
55	64
65	31
75	0
85	0

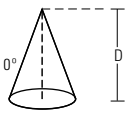
MEDIUM

Test Number	P407593
Housing	LER4B15D010
Module	EC4B10208035
Trim	4LBM3LI
Lumens	1718
Efficacy	120.1 Lm/W
SC	0.71
UGR	12

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	86.9	3.8	3.8
7'	53.7	5	5
8'	41.1	5.6	5.6
9'	32.5	6.4	6.4
10'	26.3	7	7
12'	18.3	8.4	8.4

CANDELA TABLE

Degrees Vertical	Candela
0	2630
5	2584
15	1960
25	1191
35	474
45	81
55	9
65	4
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

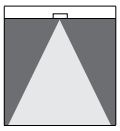
Zone	Lumens	% Fixture
0-30	1328	77.3
0-40	1632	95
0-60	1713	99.7
0-90	1718	100
90-180	0	0
0-180	1718	100

LUMINANCE

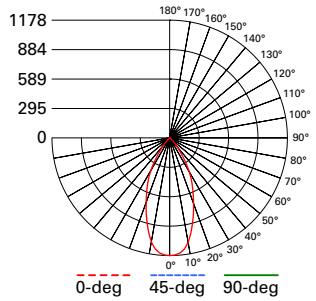
Average Candela Degrees	Average 0° Luminance
45	1244
55	176
65	90
75	50
85	0

WIDE

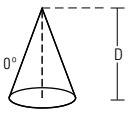
Test Number	P407595
Housing	LER4B15D010
Module	EC4B10208035
Trim	4LBW3LI
Lumens	1761
Efficacy	123.1 Lm/W
SC	1.3
UGR	16



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	35.1	7	7
7'	21.7	9	9
8'	16.6	10.4	10.4
9'	13.1	11.6	11.6
10'	10.6	13	13
12'	7.4	15.6	15.6

CANDELA TABLE

Degrees Vertical	Candela
0	1061
5	1073
15	1158
25	1134
35	821
45	331
55	35
65	4
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	947	53.7
0-40	1452	82.5
0-60	1755	99.7
0-90	1761	100
90-180	0	0
0-180	1761	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	5072
55	666
65	115
75	50
85	0

CCT Multipliers – 90CRI

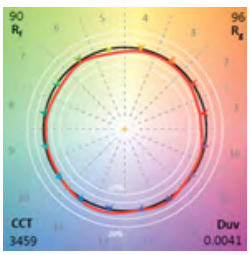
2700K	3000K	3500K	4000K
0.95	0.99	1.00	1.00

Multipliers for relative lumen values with other color temperatures.

Note: Refer to IES files for more product data.

Color Metrics - TM-30-15 & CRI/CIE

TM-30-15	Rf = 90
	Rg = 96
CRI/CIE	Ra = 91.8
	R9 = 55.8

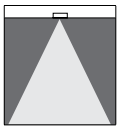


Photometric Data

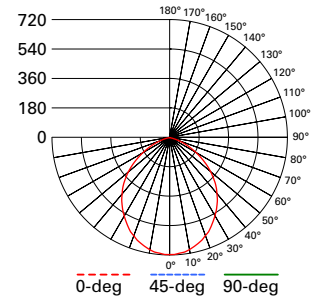
View IES files

WIDE

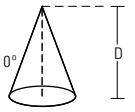
Test Number	P407592
Housing	LER4B15D010
Module	EU4B10208035
Trim	4LBCS3MMS
Lumens	1567
Efficacy	109.6 Lm/W
SC	1.16
UGR	22



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	23.8	6.2	6.2
7'	14.7	8	8
8'	11.2	9.2	9.2
9'	8.9	10.4	10.4
10'	7.2	11.6	11.6
12'	5	13.8	13.8

CANDELA TABLE

Degrees Vertical	Candela
0	720
5	714
15	675
25	604
35	509
45	398
55	265
65	132
75	33
85	1
90	0

ZONAL LUMEN SUMMARY

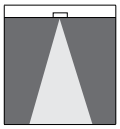
Zone	Lumens	% Fixture
0-30	536	34.2
0-40	854	54.5
0-60	1396	89
0-90	1567	100
90-180	0	0
0-180	1567	100

LUMINANCE

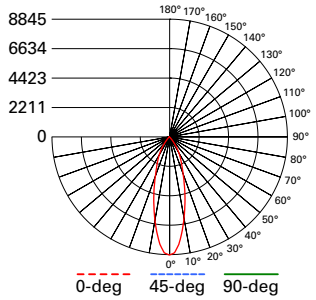
Average Candela Degrees	Average 0° Luminance
45	6103
55	4995
65	3377
75	1397
85	124

NARROW

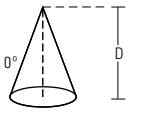
Test Number	P407598
Housing	LER4B40D010
Module	EC30408035
Trim	4LBN3LI
Lumens	3576
Efficacy	85.6 Lm/W
SC	0.5
UGR	11



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	292.4	2.6	2.6
7'	180.5	3.4	3.4
8'	138.2	3.8	3.8
9'	109.2	4.4	4.4
10'	88.4	4.8	4.8
12'	61.4	5.8	5.8

CANDELA TABLE

Degrees Vertical	Candela
0	8845
5	8084
15	4504
25	2114
35	844
45	101
55	9
65	3
75	0
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	2936	82.1
0-40	3467	97
0-60	3572	99.9
0-90	3576	100
90-180	0	0
0-180	3576	100

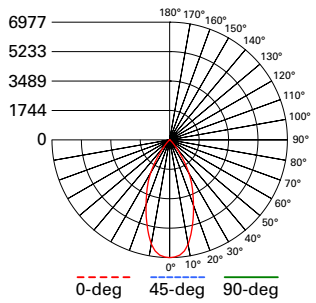
LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	1551
55	174
65	77
75	0
85	0

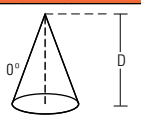
MEDIUM

Test Number	P407597
Housing	LER4B40D010
Module	EC4B30408035
Trim	4LBM3LI
Lumens	4558
Efficacy	109 Lm/W
SC	0.71
UGR	12

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	230.6	3.8	3.8
7'	142.4	5	5
8'	109	5.6	5.6
9'	86.1	6.4	6.4
10'	69.8	7	7
12'	48.5	8.4	8.4

CANDELA TABLE

Degrees Vertical	Candela
0	6977
5	6854
15	5201
25	3161
35	1259
45	215
55	25
65	9
75	3
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	3522	77.3
0-40	4328	95
0-60	4545	99.7
0-90	4558	100
90-180	0	0
0-180	4558	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	3299
55	464
65	238
75	130
85	0

CCT Multipliers – 90CRI

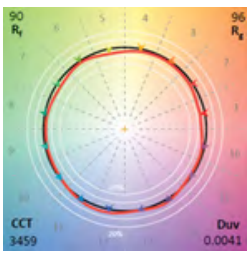
2700K	3000K	3500K	4000K
0.95	0.99	1.00	1.00

Multipliers for relative lumen values with other color temperatures.

Note: Refer to IES files for more product data.

Color Metrics - TM-30-15 & CRI/CIE

TM-30-15	Rf = 90
	Rg = 96
CRI/CIE	Ra = 91.8
	R9 = 55.8

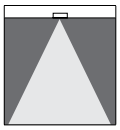


Photometric Data

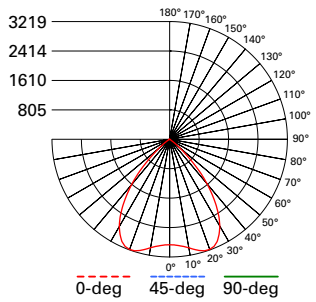
View IES files

WIDE

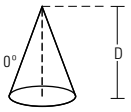
Test Number	P407599
Housing	LER4B40D010
Module	EC4B30408035
Trim	4LBW3LI
Lumens	4812
Efficacy	115.1 Lm/W
SC	1.3
UGR	16



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	95.8	7	7
7'	59.2	9	9
8'	45.3	10.4	10.4
9'	35.8	11.6	11.6
10'	29	13	13
12'	20.1	15.6	15.6

CANDELA TABLE

Degrees Vertical	Candela
0	2899
5	2933
15	3163
25	3098
35	2242
45	905
55	96
65	12
75	3
85	0
90	0

ZONAL LUMEN SUMMARY

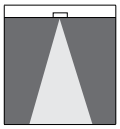
Zone	Lumens	% Fixture
0-30	2586	53.8
0-40	3968	82.5
0-60	4796	99.7
0-90	4812	100
90-180	0	0
0-180	4812	100

LUMINANCE

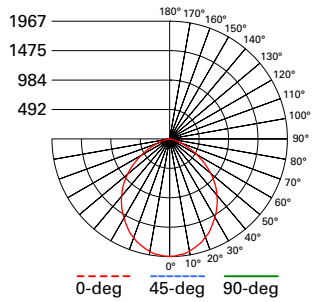
Average Candela Degrees	Average 0° Luminance
45	13859
55	1820
65	318
75	130
85	0

WIDE

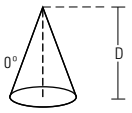
Test Number	P407596
Housing	LER4B40D010
Module	EC4B30408035
Trim	4LBCS3MMS
Lumens	4284
Efficacy	102.5 Lm/W
SC	1.16
UGR	22



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	65	6.2	6.2
7'	40.1	8	8
8'	30.7	9.2	9.2
9'	24.3	10.4	10.4
10'	19.7	11.6	11.6
12'	13.7	13.8	13.8

CANDELA TABLE

Degrees Vertical	Candela
0	1967
5	1951
15	1845
25	1651
35	1391
45	1089
55	723
65	360
75	91
85	3
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1465	34.2
0-40	2335	54.5
0-60	3815	89
0-90	4284	100
90-180	0	0
0-180	4284	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	16675
55	13652
65	9229
75	3824
85	348

CCT Multipliers – 90CRI

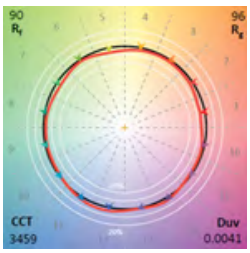
2700K	3000K	3500K	4000K
0.95	0.99	1.00	1.00

Multipliers for relative lumen values with other color temperatures.

Note: Refer to IES files for more product data.

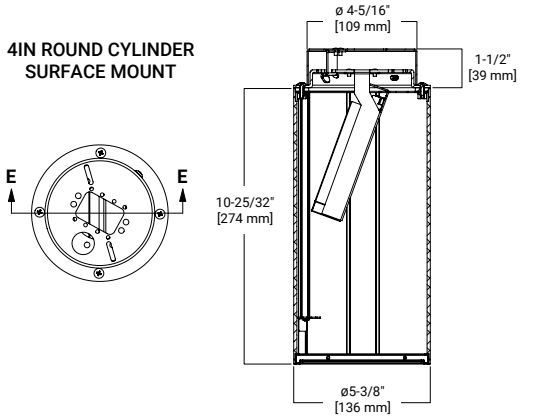
Color Metrics - TM-30-15 & CRI/CIE

TM-30-15	Rf = 90
	Rg = 96
CRI/CIE	Ra = 91.8
	R9 = 55.8

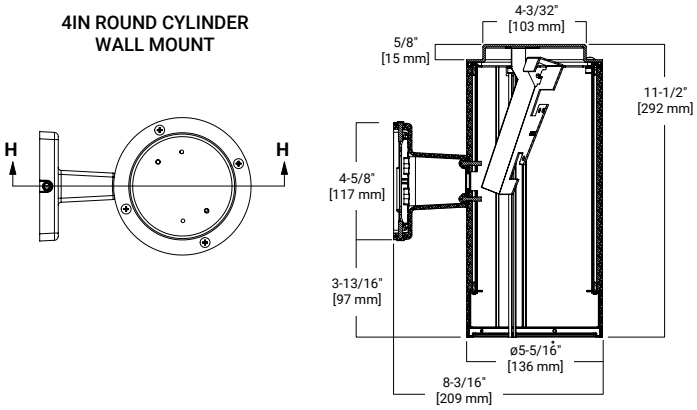


Dimensional and Mounting Details

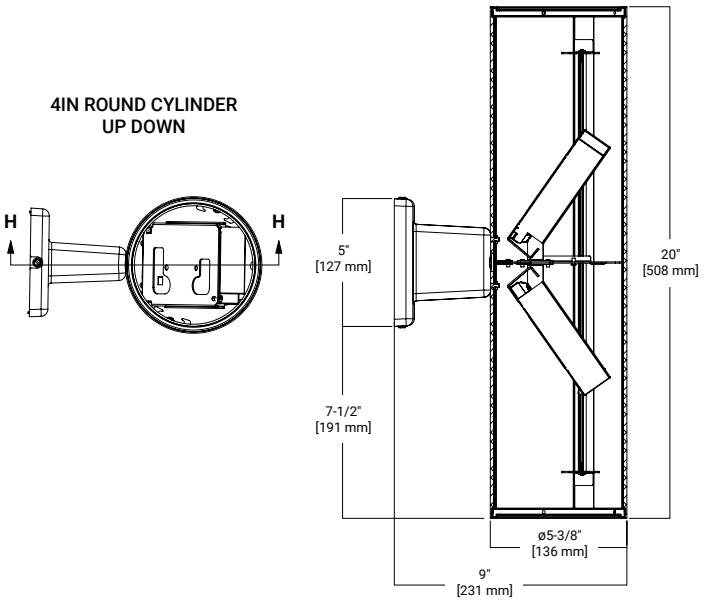
4IN ROUND CYLINDER
SURFACE MOUNT



4IN ROUND CYLINDER
WALL MOUNT

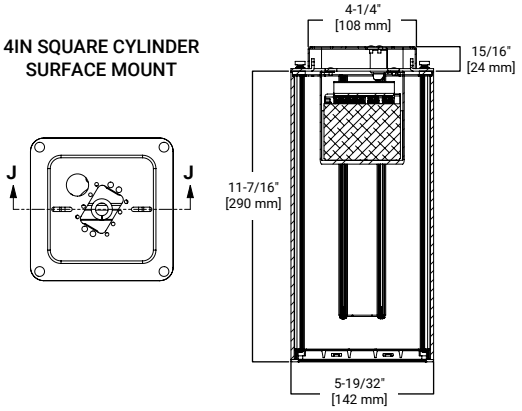


4IN ROUND CYLINDER
UP DOWN

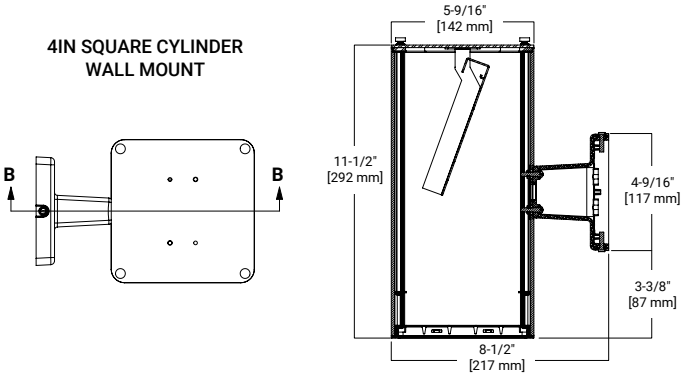


Dimensional and Mounting Details

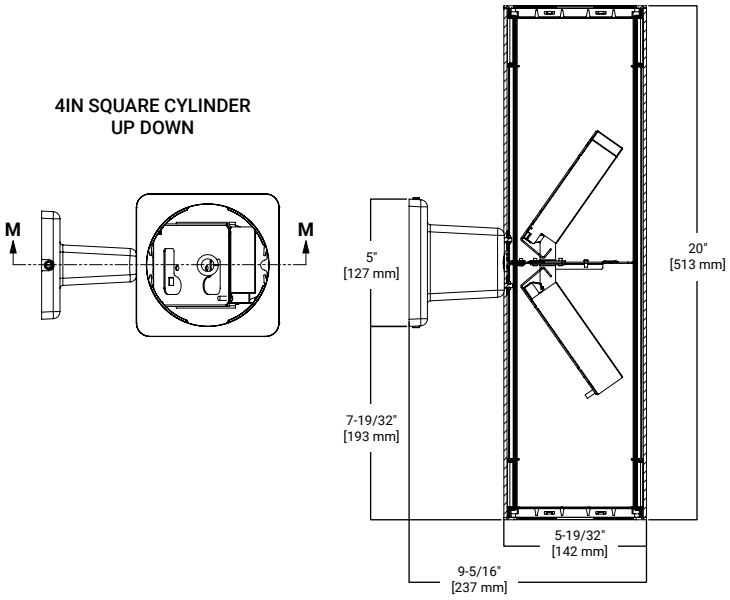
4IN SQUARE CYLINDER
SURFACE MOUNT



4IN SQUARE CYLINDER
WALL MOUNT

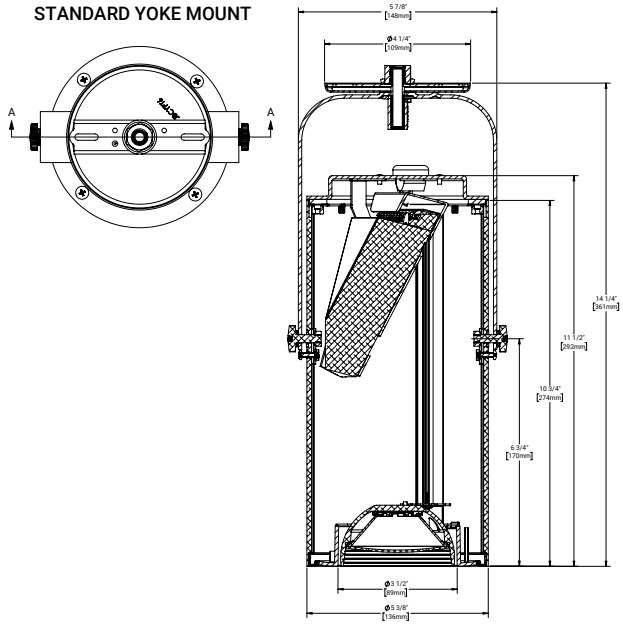


4IN SQUARE CYLINDER
UP DOWN

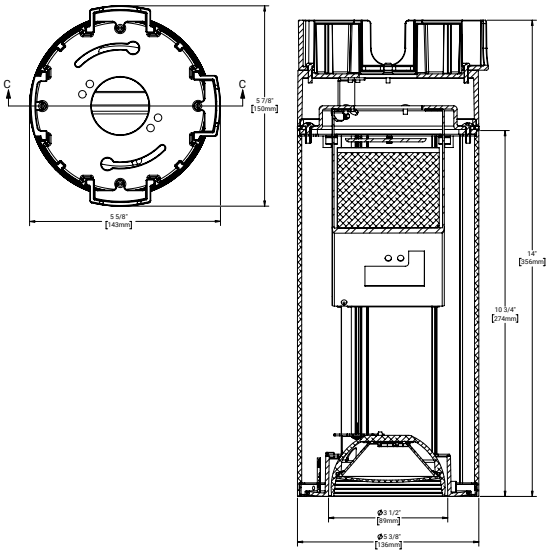


Dimensional and Mounting Details

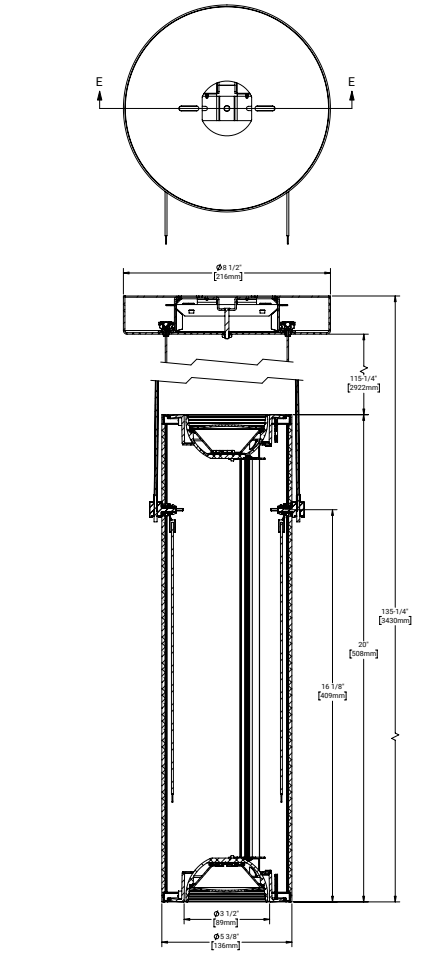
4IN ROUND CYLINDER
STANDARD YOKE MOUNT



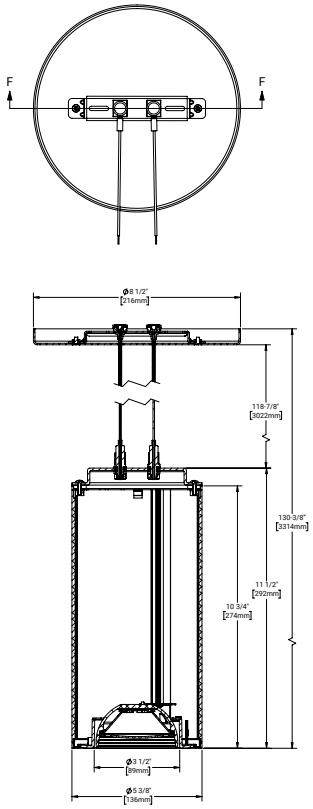
4IN ROUND CYLINDER
CONDUIT CANOPY



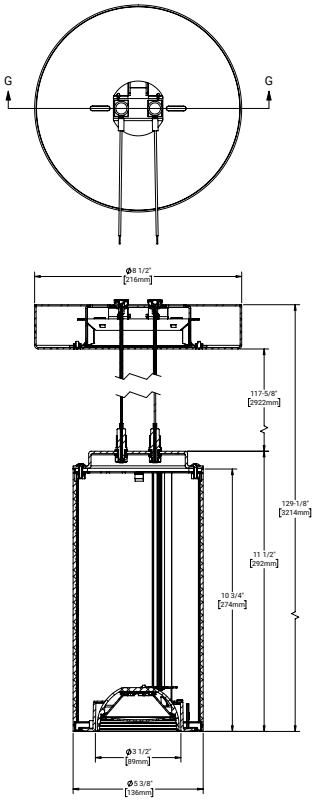
4IN ROUND CYLINDER
STANDARD POWER CORD UP DOWN PENDANT DRIVER



4IN ROUND CYLINDER
POWER CORD PENDANT

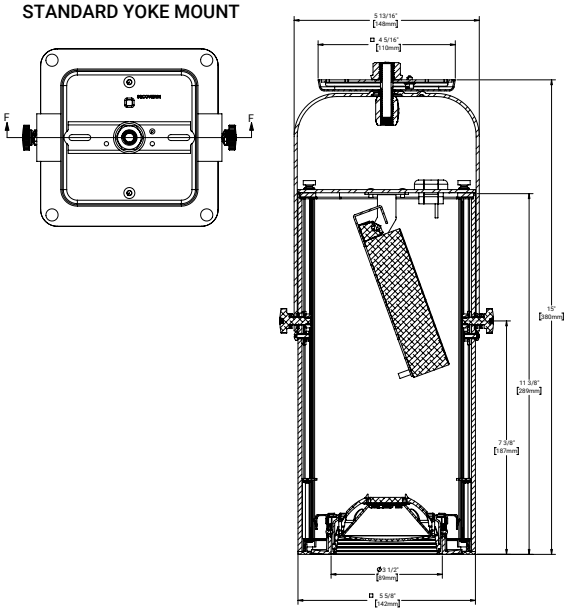


4IN ROUND CYLINDER P
OWER CORD PENDANT DRIVER

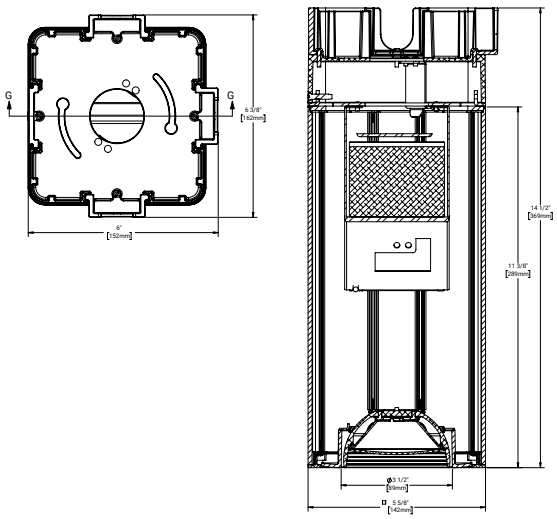


Dimensional and Mounting Details

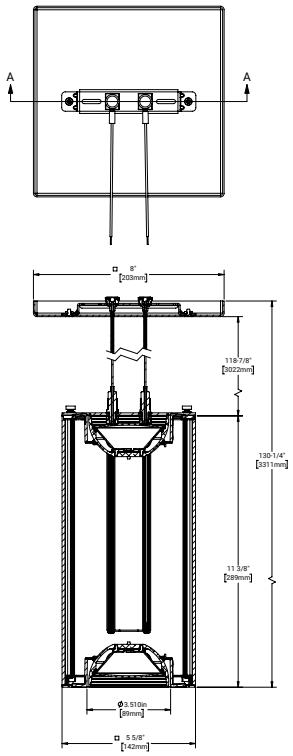
4IN SQUARE CYLINDER
STANDARD YOKE MOUNT



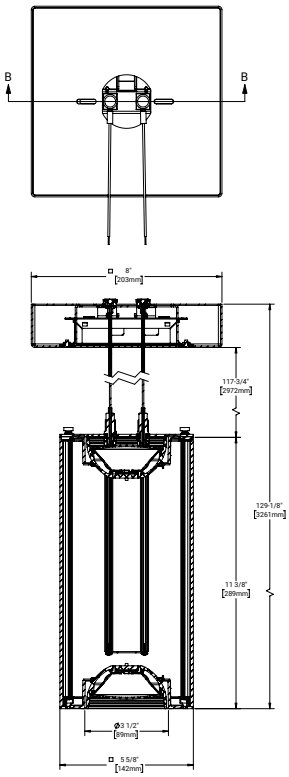
4IN SQUARE CYLINDER
CONDUIT CANOPY



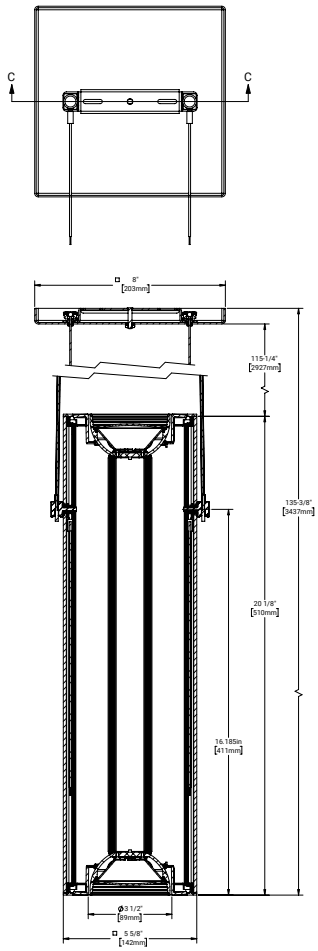
4IN SQUARE CYLINDER
POWER CORD PENDANT



4IN SQUARE CYLINDER
POWER CORD PENDANT DRIVER



4IN SQUARE CYLINDER
STANDARD POWER CORD UP DOWN PENDANT



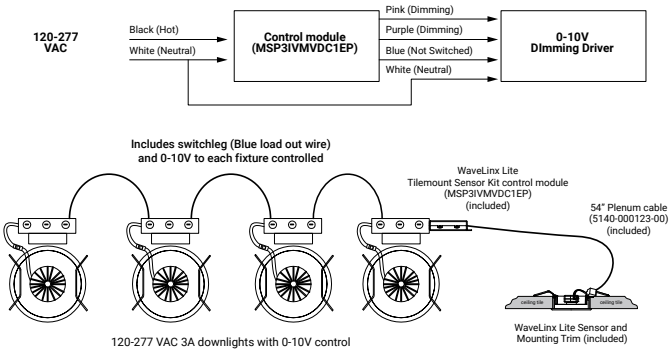
Connected Systems

WaveLinx Lite - WTK Tilemount Sensor

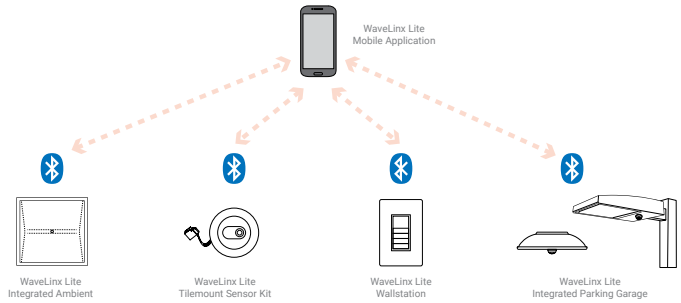
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic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

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

WaveLinx Lite WTK Tilemount Wiring Diagram



WaveLinx Lite Bluetooth Enabled System



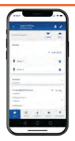
WaveLinx – WTA Tilemount Sensor

- WaveLinx 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

Wireless Area Controller
Provides centralized coordination of multiple area control options

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



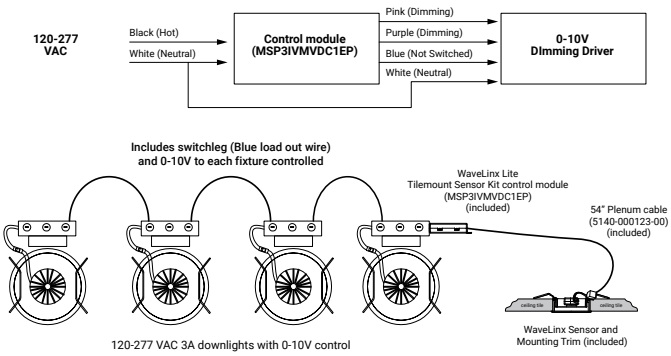
Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

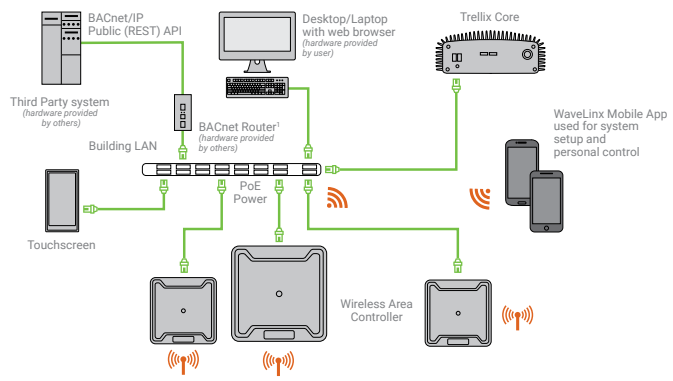
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control

Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx Lite WTA Tilemount Wiring Diagram



WaveLinx Trellix Building Management Integration



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