

Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LER4C/LESQ4C Cylinders

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

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Residential

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Product Certification



Control Compatibility



Product Features

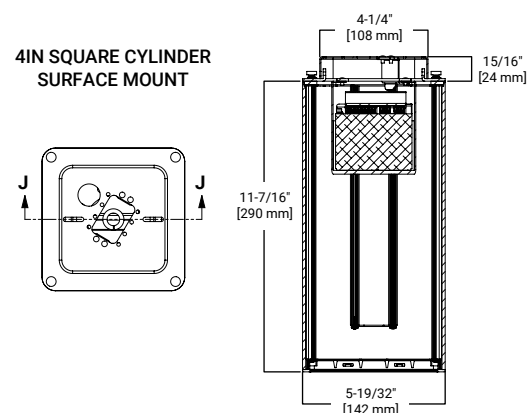
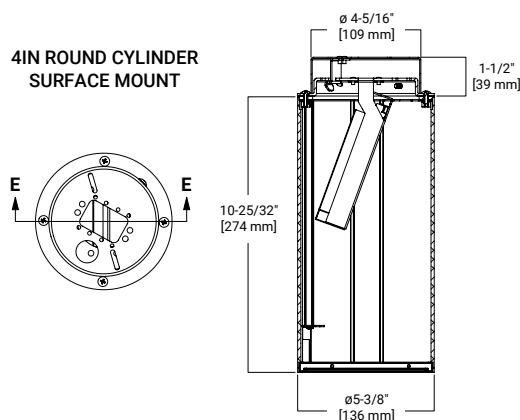


Top Product Features

- 250 to 4,000 lumens; Offered in 90 and 97 CRI; Downlight
- 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

additional product diagrams



Order Information

SAMPLE ORDER NUMBER: LER4C10D010TRP

Domestic Preferences ⁽³⁰⁾	Cylinder	Lumens	Driver	Remote ⁽⁸⁾	Finish ⁽¹⁰⁾	Factory Installed Connected Lighting Options
[Blank]=Standard TAA= Trade Agreements Act	Ceiling surface mount LER4C =4-inch round surface mount LESQ4C = 4-inch square surface mount square aperture ⁽¹⁾ LESQR4C = 4-inch square surface mount round aperture ⁽²⁾ Ceiling surface mount Square with conduit canopy (for round use Conduit Canopy Kit accessory) LESQSM4C = 4-inch square surface mount square aperture with surface mount conduit canopy ⁽¹⁾ LESQRSM4C = 4-inch square surface mount, round aperture with surface mount conduit canopy ⁽²⁾ Wall mount Downlight LERWM4C = 4-inch round wall mount LESQRWM4C = 4-inch square wall mount round aperture ⁽²⁾ LESQWM4C = 4-inch square wall mount square aperture ⁽¹⁾ Wall mount Up/down LERUD4C = 4-inch round wall mount up/down ^{(4) (36)} LESQUD4C = 4-inch square wall mount up/down square aperture ^{(3) (36)} LESQRUD4C = 4-inch square wall mount up/down round aperture ^{(4) (36)} Yoke mount LERYM4C = 4-inch round yoke mount ⁽²⁴⁾ LESQYM4C = 4-inch square yoke mount square aperture ^{(1) (24)} LESQRYM4C = 4-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 requires a Remote Driver) D010TR =0-10V (120-277V) or line voltage (120V) dimming, 5-100%; 1 driver: 250 to 3500 / 2 drivers: (Downlight and Remote 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 and Remote 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	WPN = WaveLinX PRO Wireless Node without sensor ⁽¹⁴⁾

Power Module Choose between EC4C downlight or ECA4C adjustable

SAMPLE ORDER NUMBER: EC4C10209035

Domestic Preferences ⁽³⁰⁾	Power Module	Lumen Levels ⁽¹⁵⁾	Color
[Blank]=Standard TAA= Trade Agreements Act	EC4C=4-inch cylinder light engine	0208 =250, 500, 800 Lumens 1020 =1000, 1500, or 2000 Lumens 2535 =2500, 3000, 3500 Lumens 4000 =4000 Lumens Two LEDs for cylinders with two drivers 4075 =4000 lumens (For use with Lutron and D010TR)	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 ⁽¹⁵⁾	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: 4LBN3LI

Domestic Preferences ⁽³⁰⁾	Trim	Distribution ⁽¹⁶⁾	Flange	Finish
[Blank]=Standard BAA=Buy American Act ⁽³⁵⁾	4LB=4" LED	N =Narrow (30° Beam), Spun Aluminum M =Medium (50° Beam), Spun Aluminum MD =45° Cutoff, Medium Beam, Spun Aluminum W =Wide (75° Beam), Spun Aluminum S =Shallow (75° Beam), Spun Aluminum HY =Hyperbolic Medium Beam (Single LED drivers only) CS =Cast Shallow (75° Beam), Die Cast Aluminum BA =Spun Aluminum Baffle	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⁾

continued on next page

Order Information

REQUIRED if Remote Driver (R) is specified on Cylinder

Domestic Preferences ⁽³⁰⁾	Remote Drivers ⁽⁹⁾	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 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 ⁽¹⁴⁾	D010 =0-10V Dimming, 1% to 100%, 120V-277V D010TR =0-10V (120-277V) or line voltage (120V) dimming, 5-100%; 1 driver: 250 to 3500 / 2 drivers: (Downlight only): 4000 Lumens DE010 =0-10V Linear Dimming, 0% to 100%, 120V-277V, 500-4000 lumens DSL =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 only): 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	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 DSLT 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 ⁽²⁴⁾ PMRCC4P = Round pendant stem kit with conduit knockout cover, white PMRCC4MB = Round pendant stem kit with conduit knockout cover, black PMRCC4CZ = 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 PMSQCC4CZ = 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 ⁽²⁴⁾ SMRCC4P = Round conduit canopy for round surface mount, white SMRCC4MB = Round conduit canopy for round surface mount, black SMRCC4CZ = Round conduit canopy for round surface mount, bronze SMRCC4SL = Round conduit canopy for round surface mount, silver	Connected Lighting Systems ⁽¹⁴⁾ WTA = Field installed WaveLinX sensor Kit ⁽²⁷⁾ WTK = Field installed WaveLinX Lite Sensor Kit ⁽²⁸⁾	

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
(9) 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. WPN factor installed only.

- (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 or BA distributions
(18) Available with BA and CS distributions
(19) Available only on CS distributions
(20) 0-45° slope.
(21) ULUS listed only
(24) Ceiling mount only
(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

- (30) To order product that is compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act (TAA), use the online specification configurator to specify BAA or TAA. Please refer to [DOMESTIC PREFERENCES LINK](#) for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements.
(31) 120V-277V
(32) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).
(33) Non-IC
(34) D010 800 to 4000 lumens. 250, 500 and 4000 lumens use step down transformer) All other drivers use step down transformer.
(35) Offered with spun aluminum narrow (N), medium (M) and wide (W) trims.
(36) DMX drivers with shallow trim only.

Product Specifications

Lower Reflector

- Painted die-cast aluminum or spun aluminum lower reflector with a lensed upper optical chamber provides superior lumen output with minimal source brightness
- Square surface mount available with square or round reflectors
- Spun reflectors are available in all Portfolio finishes
- Directional with baffle tilts from 0°-30°

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 Options

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

WaveLinX Wireless System Tilemount Sensor Kit

- WaveLinX Wireless WPST tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

WaveLinX Lite System Tilemount Sensor Kit

- WaveLinX Lite WLST tile mount 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

- EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits
- RoHS compliant
- Photometric testing completed in accordance with IES LM-79
- LED life testing completed in accordance with IES LM-80 standards

Warranty

- Five year warranty www.cooperlighting.com/legal

Energy and Performance Data

D010 DRIVER ENERGY DATA

Series	250 lumen		500 lumen		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	0.041	0.333	0.152	0.404	0.181
Input Power (W)	32.98	32.57	32	10.52	39.83	39.84	48.38	47.94
In-rush (A)	2.5	11.8	3.6	8.3	3.1	14.3	3.1	14.5
Inrush duration (μs)	215	111	220	135	200	94	197	95
THDi (%)	9.86	6.57	5.57	9.63	4.25	10.05	5.02	7.97
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

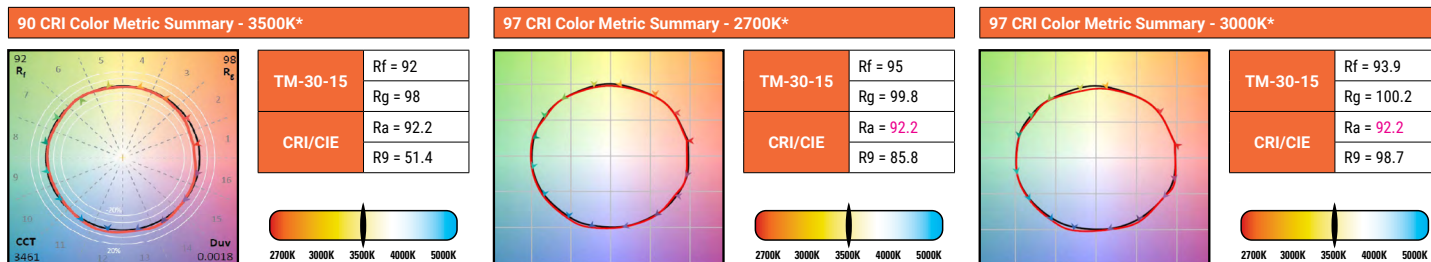
Minimum starting temperature -30°C (-22°F)*
(Nominal input 120-277VAC & 100% of rated output power)

Sound Rating: Class A standards

Notes:

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

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



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

Photometric Data

[View IES files](#)

MEDIUM BEAM 50° CUTOFF 65° BEAM (H)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
Test NumberP571636 HousingLE*4C15D010 ModuleEU4C10209035 Trim4LBMH Lumens1178 Efficacy74.6 Lm/W SC0.95 UGR11.9	Downlight	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>73</td><td>3.6</td><td>3.6</td></tr><tr><td>7'</td><td>23.8</td><td>6.6</td><td>6.6</td></tr><tr><td>9'</td><td>14.4</td><td>8.4</td><td>8.4</td></tr><tr><td>13'</td><td>6.9</td><td>12.2</td><td>12.2</td></tr><tr><td>16'</td><td>4.6</td><td>15</td><td>15</td></tr></table>	D	FC	L	W	4'	73	3.6	3.6	7'	23.8	6.6	6.6	9'	14.4	8.4	8.4	13'	6.9	12.2	12.2	16'	4.6	15	15	<table><tr><th>Degrees Vertical</th><th>Candela</th></tr><tr><td>0</td><td>1168</td></tr><tr><td>5</td><td>1147</td></tr><tr><td>15</td><td>1006</td></tr><tr><td>25</td><td>800</td></tr><tr><td>35</td><td>437</td></tr><tr><td>45</td><td>135</td></tr><tr><td>55</td><td>32</td></tr><tr><td>65</td><td>9</td></tr><tr><td>75</td><td>2</td></tr><tr><td>85</td><td>0</td></tr><tr><td>90</td><td>0</td></tr></table>	Degrees Vertical	Candela	0	1168	5	1147	15	1006	25	800	35	437	45	135	55	32	65	9	75	2	85	0	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Fixture</th></tr><tr><td>0-30</td><td>752</td><td>63.8</td></tr><tr><td>0-40</td><td>1024</td><td>87</td></tr><tr><td>0-60</td><td>1165</td><td>98.9</td></tr><tr><td>0-90</td><td>1178</td><td>100</td></tr><tr><td>90-180</td><td>0</td><td>0</td></tr><tr><td>0-180</td><td>1178</td><td>100</td></tr></table>	Zone	Lumens	% Fixture	0-30	752	63.8	0-40	1024	87	0-60	1165	98.9	0-90	1178	100	90-180	0	0	0-180	1178	100	<table><tr><th>Average Candela Degrees</th><th>Average 0° Luminance</th></tr><tr><td>37</td><td>55459</td></tr><tr><td>45</td><td>23472</td></tr><tr><td>55</td><td>6854</td></tr><tr><td>65</td><td>2587</td></tr><tr><td>75</td><td>854</td></tr><tr><td>85</td><td>0</td></tr></table>	Average Candela Degrees	Average 0° Luminance	37	55459	45	23472	55	6854	65	2587	75	854	85	0
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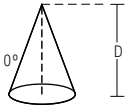
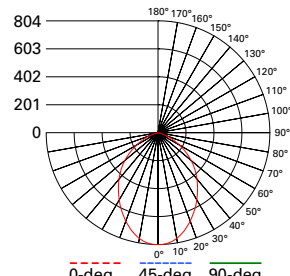
MEDIUM BEAM 50° CUTOFF 45° BEAM (LI)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
Test NumberP571637 HousingLE*4C15D010 ModuleEU4C10209035 Trim4LBMLI Lumens1469 Efficacy93 Lm/W SC0.48 UGR0	Downlight	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>236.3</td><td>1.8</td><td>1.8</td></tr><tr><td>7'</td><td>77.2</td><td>3.2</td><td>3.2</td></tr><tr><td>9'</td><td>46.7</td><td>4.2</td><td>4.2</td></tr><tr><td>13'</td><td>22.4</td><td>6.2</td><td>6.2</td></tr><tr><td>16'</td><td>14.8</td><td>7.6</td><td>7.6</td></tr></table>	D	FC	L	W	4'	236.3	1.8	1.8	7'	77.2	3.2	3.2	9'	46.7	4.2	4.2	13'	22.4	6.2	6.2	16'	14.8	7.6	7.6	<table><tr><th>Degrees Vertical</th><th>Candela</th></tr><tr><td>0</td><td>3780</td></tr><tr><td>5</td><td>3389</td></tr><tr><td>15</td><td>1844</td></tr><tr><td>25</td><td>873</td></tr><tr><td>35</td><td>339</td></tr><tr><td>45</td><td>38</td></tr><tr><td>55</td><td>2</td></tr><tr><td>65</td><td>2</td></tr><tr><td>75</td><td>0</td></tr><tr><td>85</td><td>0</td></tr><tr><td>90</td><td>0</td></tr></table>	Degrees Vertical	Candela	0	3780	5	3389	15	1844	25	873	35	339	45	38	55	2	65	2	75	0	85	0	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Fixture</th></tr><tr><td>0-30</td><td>1213</td><td>82.6</td></tr><tr><td>0-40</td><td>1428</td><td>97.2</td></tr><tr><td>0-60</td><td>1468</td><td>99.9</td></tr><tr><td>0-90</td><td>1469</td><td>100</td></tr><tr><td>90-180</td><td>0</td><td>0</td></tr><tr><td>0-180</td><td>1469</td><td>100</td></tr></table>	Zone	Lumens	% Fixture	0-30	1213	82.6	0-40	1428	97.2	0-60	1468	99.9	0-90	1469	100	90-180	0	0	0-180	1469	100	<table><tr><th>Average Candela Degrees</th><th>Average 0° Luminance</th></tr><tr><td>37</td><td>38008</td></tr><tr><td>45</td><td>6672</td></tr><tr><td>55</td><td>493</td></tr><tr><td>65</td><td>669</td></tr><tr><td>75</td><td>0</td></tr><tr><td>85</td><td>0</td></tr></table>	Average Candela Degrees	Average 0° Luminance	37	38008	45	6672	55	493	65	669	75	0	85	0
D	FC	L	W																																																																																					
4'	236.3	1.8	1.8																																																																																					
7'	77.2	3.2	3.2																																																																																					
9'	46.7	4.2	4.2																																																																																					
13'	22.4	6.2	6.2																																																																																					
16'	14.8	7.6	7.6																																																																																					
Degrees Vertical	Candela																																																																																							
0	3780																																																																																							
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15	1844																																																																																							
25	873																																																																																							
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75	0																																																																																							
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Zone	Lumens	% Fixture																																																																																						
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0-90	1469	100																																																																																						
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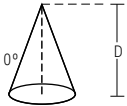
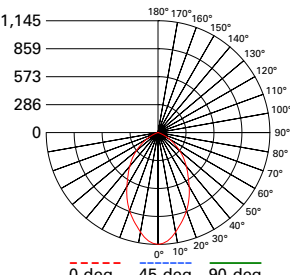
NARROW 55° BEAM (H)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
Test NumberP571638 HousingLE*4C15D010 ModuleEU4C10209035 Trim4LBNH Lumens979 Efficacy62 Lm/W SC0.81 UGR8.2	Downlight	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>76.8</td><td>3.2</td><td>3.2</td></tr><tr><td>7'</td><td>25.1</td><td>5.6</td><td>5.6</td></tr><tr><td>9'</td><td>15.2</td><td>7.2</td><td>7.2</td></tr><tr><td>13'</td><td>7.3</td><td>10.4</td><td>10.4</td></tr><tr><td>16'</td><td>4.8</td><td>12.8</td><td>12.8</td></tr></table>	D	FC	L	W	4'	76.8	3.2	3.2	7'	25.1	5.6	5.6	9'	15.2	7.2	7.2	13'	7.3	10.4	10.4	16'	4.8	12.8	12.8	<table><tr><th>Degrees Vertical</th><th>Candela</th></tr><tr><td>0</td><td>1229</td></tr><tr><td>5</td><td>1197</td></tr><tr><td>15</td><td>963</td></tr><tr><td>25</td><td>685</td></tr><tr><td>35</td><td>332</td></tr><tr><td>45</td><td>67</td></tr><tr><td>55</td><td>16</td></tr><tr><td>65</td><td>5</td></tr><tr><td>75</td><td>2</td></tr><tr><td>85</td><td>0</td></tr><tr><td>90</td><td>0</td></tr></table>	Degrees Vertical	Candela	0	1229	5	1197	15	963	25	685	35	332	45	67	55	16	65	5	75	2	85	0	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Fixture</th></tr><tr><td>0-30</td><td>692</td><td>70.7</td></tr><tr><td>0-40</td><td>899</td><td>91.8</td></tr><tr><td>0-60</td><td>972</td><td>99.2</td></tr><tr><td>0-90</td><td>979</td><td>100</td></tr><tr><td>90-180</td><td>0</td><td>0</td></tr><tr><td>0-180</td><td>979</td><td>100</td></tr></table>	Zone	Lumens	% Fixture	0-30	692	70.7	0-40	899	91.8	0-60	972	99.2	0-90	979	100	90-180	0	0	0-180	979	100	<table><tr><th>Average Candela Degrees</th><th>Average 0° Luminance</th></tr><tr><td>37</td><td>39457</td></tr><tr><td>45</td><td>11710</td></tr><tr><td>55</td><td>3406</td></tr><tr><td>65</td><td>1541</td></tr><tr><td>75</td><td>854</td></tr><tr><td>85</td><td>0</td></tr></table>	Average Candela Degrees	Average 0° Luminance	37	39457	45	11710	55	3406	65	1541	75	854	85	0
D	FC	L	W																																																																																					
4'	76.8	3.2	3.2																																																																																					
7'	25.1	5.6	5.6																																																																																					
9'	15.2	7.2	7.2																																																																																					
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16'	4.8	12.8	12.8																																																																																					
Degrees Vertical	Candela																																																																																							
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Average Candela Degrees	Average 0° Luminance																																																																																							
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75	854																																																																																							
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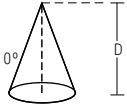
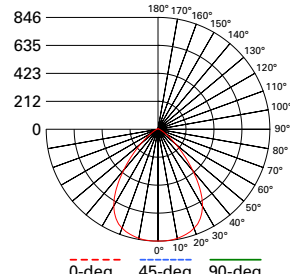
NARROW 30° BEAM (LI)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
Test NumberP571639 HousingLE*4C15D010 ModuleEU4C10209035 Trim4LBNLI Lumens1153 Efficacy73 Lm/W SC0.48 UGR0	Downlight	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>185.4</td><td>1.8</td><td>1.8</td></tr><tr><td>7'</td><td>60.6</td><td>3.2</td><td>3.2</td></tr><tr><td>9'</td><td>36.6</td><td>4.2</td><td>4.2</td></tr><tr><td>13'</td><td>17.6</td><td>6.2</td><td>6.2</td></tr><tr><td>16'</td><td>11.6</td><td>7.6</td><td>7.6</td></tr></table>	D	FC	L	W	4'	185.4	1.8	1.8	7'	60.6	3.2	3.2	9'	36.6	4.2	4.2	13'	17.6	6.2	6.2	16'	11.6	7.6	7.6	<table><tr><th>Degrees Vertical</th><th>Candela</th></tr><tr><td>0</td><td>2967</td></tr><tr><td>5</td><td>2660</td></tr><tr><td>15</td><td>1447</td></tr><tr><td>25</td><td>685</td></tr><tr><td>35</td><td>266</td></tr><tr><td>45</td><td>30</td></tr><tr><td>55</td><td>2</td></tr><tr><td>65</td><td>2</td></tr><tr><td>75</td><td>0</td></tr><tr><td>85</td><td>0</td></tr><tr><td>90</td><td>0</td></tr></table>	Degrees Vertical	Candela	0	2967	5	2660	15	1447	25	685	35	266	45	30	55	2	65	2	75	0	85	0	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Fixture</th></tr><tr><td>0-30</td><td>952</td><td>82.6</td></tr><tr><td>0-40</td><td>1121</td><td>97.2</td></tr><tr><td>0-60</td><td>1152</td><td>99.9</td></tr><tr><td>0-90</td><td>1153</td><td>100</td></tr><tr><td>90-180</td><td>0</td><td>0</td></tr><tr><td>0-180</td><td>1153</td><td>100</td></tr></table>	Zone	Lumens	% Fixture	0-30	952	82.6	0-40	1121	97.2	0-60	1152	99.9	0-90	1153	100	90-180	0	0	0-180	1153	100	<table><tr><th>Average Candela Degrees</th><th>Average 0° Luminance</th></tr><tr><td>37</td><td>29831</td></tr><tr><td>45</td><td>5247</td></tr><tr><td>55</td><td>386</td></tr><tr><td>65</td><td>523</td></tr><tr><td>75</td><td>0</td></tr><tr><td>85</td><td>0</td></tr></table>	Average Candela Degrees	Average 0° Luminance	37	29831	45	5247	55	386	65	523	75	0	85	0
D	FC	L	W																																																																																					
4'	185.4	1.8	1.8																																																																																					
7'	60.6	3.2	3.2																																																																																					
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Degrees Vertical	Candela																																																																																							
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5	2660																																																																																							
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Zone	Lumens	% Fixture																																																																																						
0-30	952	82.6																																																																																						
0-40	1121	97.2																																																																																						
0-60	1152	99.9																																																																																						
0-90	1153	100																																																																																						
90-180	0	0																																																																																						
0-180	1153	100																																																																																						
Average Candela Degrees	Average 0° Luminance																																																																																							
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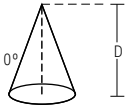
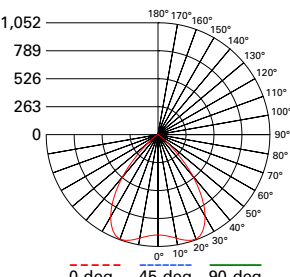
Photometric Data

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SHALLOW 85° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571640	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>50.3</td><td>4.2</td><td>4.2</td></tr><tr><td>7'</td><td>16.4</td><td>7.4</td><td>7.4</td></tr><tr><td>9'</td><td>9.9</td><td>9.4</td><td>9.4</td></tr><tr><td>13'</td><td>4.8</td><td>13.6</td><td>13.6</td></tr><tr><td>16'</td><td>3.1</td><td>16.8</td><td>16.8</td></tr></table>		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	0	804	0-30	565	36.7	37	72577
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																																	
Module	EU4B10209035	5	798	0-40	875	56.9	45	65309																												
Trim	4LBSH	15	730	0-60	1384	90	55	52605																												
Lumens	1538	25	618	0-90	1538	100	65	34942																												
Efficacy	97.3 Lm/W	35	496	90-180	0	0	75	13670																												
SC	1.06	65	120	0-180	1538	100	85	0																												
UGR	26.5	75	29																																	
		85	0																																	
		90	0																																	

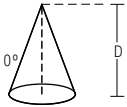
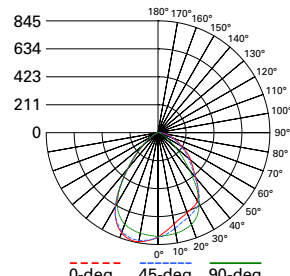
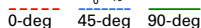
SHALLOW 65° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571641	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>71.6</td><td>3.6</td><td>3.6</td></tr><tr><td>7'</td><td>23.4</td><td>6.2</td><td>6.2</td></tr><tr><td>9'</td><td>14.1</td><td>8.2</td><td>8.2</td></tr><tr><td>13'</td><td>6.8</td><td>11.8</td><td>11.8</td></tr><tr><td>16'</td><td>4.5</td><td>14.4</td><td>14.4</td></tr></table>		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	0	1145	0-30	712	44.4	37	77201
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																																	
Module	EU4C10209035	5	1115	0-40	1048	65.3	45	64475																												
Trim	4LBSLI	15	945	0-60	1520	94.8	55	44508																												
Lumens	1604	25	749	0-90	1604	100	65	21163																												
Efficacy	101.5 Lm/W	35	534	90-180	0	0	75	1709																												
SC	0.91	55	208	0-180	1604	100	85	0																												
UGR	23.9	65	73																																	
		75	4																																	
		85	0																																	
		90	0																																	

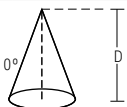
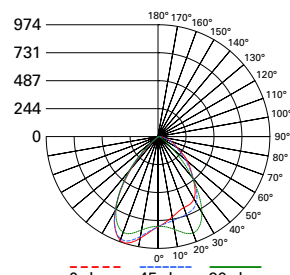
WIDE 80° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571642	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>52.7</td><td>4.6</td><td>4.6</td></tr><tr><td>7'</td><td>17.2</td><td>8.2</td><td>8.2</td></tr><tr><td>9'</td><td>10.4</td><td>10.4</td><td>10.4</td></tr><tr><td>13'</td><td>5</td><td>15.2</td><td>15.2</td></tr><tr><td>16'</td><td>3.3</td><td>18.8</td><td>18.8</td></tr></table>		D	FC	L	W	4'	52.7	4.6	4.6	7'	17.2	8.2	8.2	9'	10.4	10.4	10.4	13'	5	15.2	15.2	16'	3.3	18.8	18.8	0	844	0-30	653	49.9	37	75186
D	FC	L	W																																	
4'	52.7	4.6	4.6																																	
7'	17.2	8.2	8.2																																	
9'	10.4	10.4	10.4																																	
13'	5	15.2	15.2																																	
16'	3.3	18.8	18.8																																	
Module	EU4C10209035	5	844	0-40	991	75.7	45	45989																												
Trim	4LBWH	15	821	0-60	1276	97.5	55	17885																												
Lumens	1309	25	748	0-90	1309	100	65	6715																												
Efficacy	82.8 Lm/W	35	547	90-180	0	0	75	3370																												
SC	1.18	55	84	0-180	1309	100	85	0																												
UGR	17.9	65	23																																	
		75	7																																	
		85	0																																	
		90	0																																	

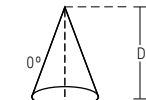
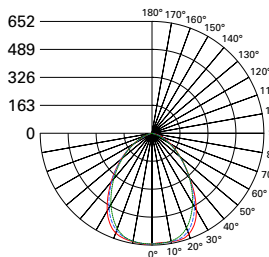
WIDE 80° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571643	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>59.5</td><td>5</td><td>5</td></tr><tr><td>7'</td><td>19.4</td><td>9</td><td>9</td></tr><tr><td>9'</td><td>11.8</td><td>11.6</td><td>11.6</td></tr><tr><td>13'</td><td>5.6</td><td>16.6</td><td>16.6</td></tr><tr><td>16'</td><td>3.7</td><td>20.6</td><td>20.6</td></tr></table>		D	FC	L	W	4'	59.5	5	5	7'	19.4	9	9	9'	11.8	11.6	11.6	13'	5.6	16.6	16.6	16'	3.7	20.6	20.6	0	950	0-30	844	54.4	37	-
D	FC	L	W																																	
4'	59.5	5	5																																	
7'	19.4	9	9																																	
9'	11.8	11.6	11.6																																	
13'	5.6	16.6	16.6																																	
16'	3.7	20.6	20.6																																	
Module	EU4C10209035	5	963	0-40	1289	83.1	45	-																												
Trim	4LBWLI	15	1036	0-60	1546	99.7	55	-																												
Lumens	1551	25	1005	0-90	1551	100	65	-																												
Efficacy	98.2 Lm/W	35	723	90-180	0	0	75	-																												
SC	1.29	55	28	0-180	1551	100	85	-																												
UGR	6.9	65	4																																	
		75	2																																	
		85	0																																	
		90	0																																	

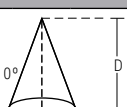
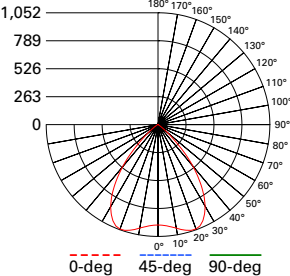
Photometric Data

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SINGLE WALL WASH (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571644	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>51</td><td>4.4</td><td>4.6</td></tr><tr><td>7'</td><td>16.6</td><td>7.9</td><td>8</td></tr><tr><td>9'</td><td>10.1</td><td>10.1</td><td>10.2</td></tr><tr><td>13'</td><td>4.8</td><td>14.7</td><td>15</td></tr><tr><td>16'</td><td>3.2</td><td>18.1</td><td>18.4</td></tr></table>		D	FC	L	W	4'	51	4.4	4.6	7'	16.6	7.9	8	9'	10.1	10.1	10.2	13'	4.8	14.7	15	16'	3.2	18.1	18.4	0	793	0-30	608	43.8	37	75835
D	FC					L	W																													
4'	51					4.4	4.6																													
7'	16.6					7.9	8																													
9'	10.1					10.1	10.2																													
13'	4.8	14.7	15																																	
16'	3.2	18.1	18.4																																	
Module	EU4C10209035	5	746	0-40	928	66.7	45	64441																												
Trim	4LCSWH	15	669	0-60	1283	92.3	55	56032																												
Lumens	1390	25	625	0-90	1390	100	65	46337																												
Efficacy	88 Lm/W	35	527	90-180	0	0	75	34936																												
SC	1.17					65	159	0-180	1390	100	85	24527																								
UGR	29.6					75	74																													
						85	17																													
						90	0																													

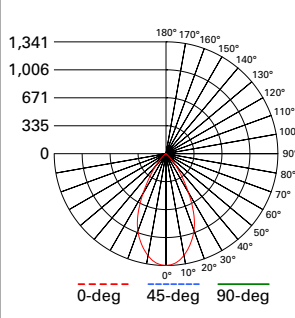
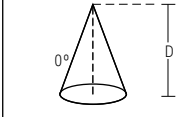
SINGLE WALL WASH (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571645	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>54.2</td><td>4.5</td><td>4.8</td></tr><tr><td>7'</td><td>17.7</td><td>8</td><td>8.6</td></tr><tr><td>9'</td><td>10.7</td><td>10.3</td><td>11</td></tr><tr><td>13'</td><td>5.1</td><td>14.9</td><td>16</td></tr><tr><td>16'</td><td>3.4</td><td>18.4</td><td>19.6</td></tr></table>		D	FC	L	W	4'	54.2	4.5	4.8	7'	17.7	8	8.6	9'	10.7	10.3	11	13'	5.1	14.9	16	16'	3.4	18.4	19.6	0	783	0-30	680	47.1	37	78745
D	FC	L	W																																	
4'	54.2	4.5	4.8																																	
7'	17.7	8	8.6																																	
9'	10.7	10.3	11																																	
13'	5.1	14.9	16																																	
16'	3.4	18.4	19.6																																	
Module	EU4C10209035					5	745	0-40	1041	72.1	45	66786																								
Trim	4LCSWLI					15	673	0-60	1362	94.2	55	50356																								
Lumens	1445					25	648	0-90	1445	100	65	41599																								
Efficacy	91.5 Lm/W					35	548	90-180	0	0	75	27151																								
SC	1.3					45	384	0-180	1445	100	85	14378																								
UGR	28.3					55	235																													
						65	143																													
						75	57																													
						85	10																													
						90	0																													

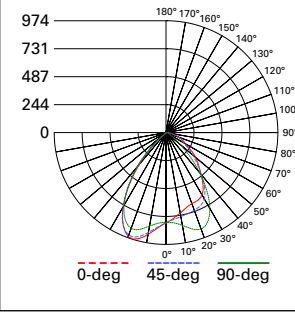
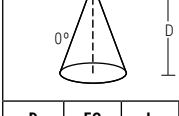
LENSED WALL WASH (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571646	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>40.7</td><td>4.6</td><td>4.4</td></tr><tr><td>7'</td><td>13.3</td><td>8.2</td><td>7.8</td></tr><tr><td>9'</td><td>8</td><td>10.6</td><td>10</td></tr><tr><td>13'</td><td>3.8</td><td>15.4</td><td>14.4</td></tr><tr><td>16'</td><td>2.5</td><td>19</td><td>17.8</td></tr></table>		D	FC	L	W	4'	40.7	4.6	4.4	7'	13.3	8.2	7.8	9'	8	10.6	10	13'	3.8	15.4	14.4	16'	2.5	19	17.8	0	650	0-30	499	40	37	61806
D	FC	L	W																																	
4'	40.7	4.6	4.4																																	
7'	13.3	8.2	7.8																																	
9'	8	10.6	10																																	
13'	3.8	15.4	14.4																																	
16'	2.5	19	17.8																																	
Module	EU4C10209035	5	644	0-40	766	61.5	45	48248																												
Trim	4LBLWWLI	15	647	0-60	1139	91.4	55	37226																												
Lumens	1246	25	591	0-90	1246	100	65	28866																												
Efficacy	78.9 Lm/W	35	439	90-180	0	0	75	19936																												
SC	1.12	45	278	0-180	1246	100	85	4088																												
UGR	26.3	55	174																																	
						65	99																													
						75	42																													
						85	3																													
						90	0																													

LENSED WALL WASH (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571647	Downlight				Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LE*4C15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>39.7</td><td>4.5</td><td>4.2</td></tr><tr><td>7'</td><td>13</td><td>8</td><td>7.6</td></tr><tr><td>9'</td><td>7.8</td><td>10.2</td><td>9.8</td></tr><tr><td>13'</td><td>3.8</td><td>14.8</td><td>14</td></tr><tr><td>16'</td><td>2.5</td><td>18.3</td><td>17.4</td></tr></table>		D	FC	L	W	4'	39.7	4.5	4.2	7'	13	8	7.6	9'	7.8	10.2	9.8	13'	3.8	14.8	14	16'	2.5	18.3	17.4	0	635	0-30	471	39.4	37	62135
D	FC	L	W																																	
4'	39.7	4.5	4.2																																	
7'	13	8	7.6																																	
9'	7.8	10.2	9.8																																	
13'	3.8	14.8	14																																	
16'	2.5	18.3	17.4																																	
Module	EU4C10209035	5	639	0-40	724	60.5	45	48734																												
Trim	4LBLWWH	15	639	0-60	1084	90.6	55	37269																												
Lumens	1196	25	586	0-90	1196	100	65	29099																												
Efficacy	75.7 Lm/W	35	441	90-180	0	0	75	20268																												
SC	1.09	45	280	0-180	1196	100	85	5497																												
UGR	26.5	55	174																																	
						65	100																													
						75	43																													
						85	4																													
						90	0																													

Photometric Data

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MEDIUM BEAM 45° CUTOFF 55° BEAM (H)		CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE				
Test Number	P571648	Downlight 		Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LE*4C15D010			0	1341	0-30	793	71.3	37	41780
Module	EU4C10209035			5	1318	0-40	1008	90.6	45	15758
Trim	4LBMDH			15	1127	0-60	1103	99.1	55	4284
Lumens	1113			25	791	0-90	1113	100	65	2064
Efficacy	70.4 Lm/W			35	337	90-180	0	0	75	1044
SC	0.86			45	91	0-180	1113	100	85	423
UGR	9.5			55	20					
				65	7					
				75	2					
				85	0					
				90	0					

MEDIUM BEAM 45° CUTOFF 50° BEAM (LI)		CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE				
Test Number	P571649	Downlight 		Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LE*4C15D010			0	1700	0-30	1023	79.1	37	36556
Module	EU4C10209035			5	1751	0-40	1243	96	45	8096
Trim	4LBMDLI			15	1545	0-60	1291	99.8	55	1199
Lumens	1294			25	945	0-90	1294	100	65	640
Efficacy	81.9 Lm/W			35	323	90-180	0	0	75	285
SC	0.84			45	47	0-180	1294	100	85	0
UGR	0.4			55	6					
				65	2					
				75	1					
				85	0					
				90	0					

Photometric Multipliers (Nominal Lumen Values)

250 Lumen	500 Lumen	800 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.22	0.42	0.57	0.65	1.00	1.29	1.62	1.90	2.25

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen	6500 Lumen	7000 Lumen	7500 Lumen
2.61	3.02	3.42	3.82	4.13	4.32	4.54	5.34

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.

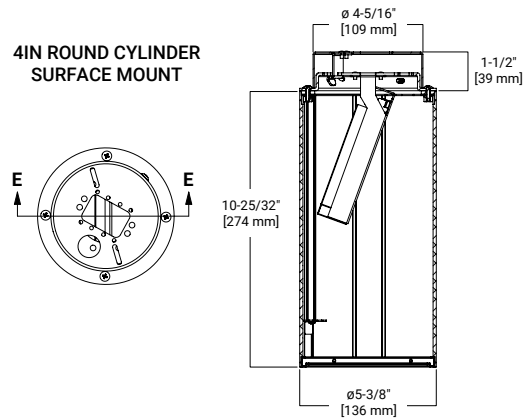
Color Finish Multipliers (from H = Semi Specular Clear)

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

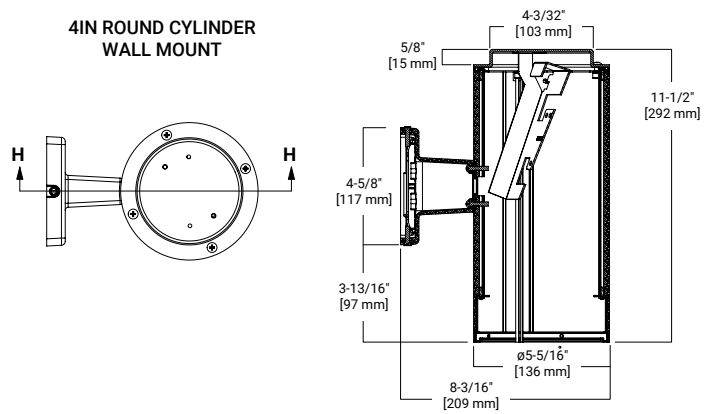
Multipliers for relative lumen values with other color finishes.

Dimensional and Mounting Details

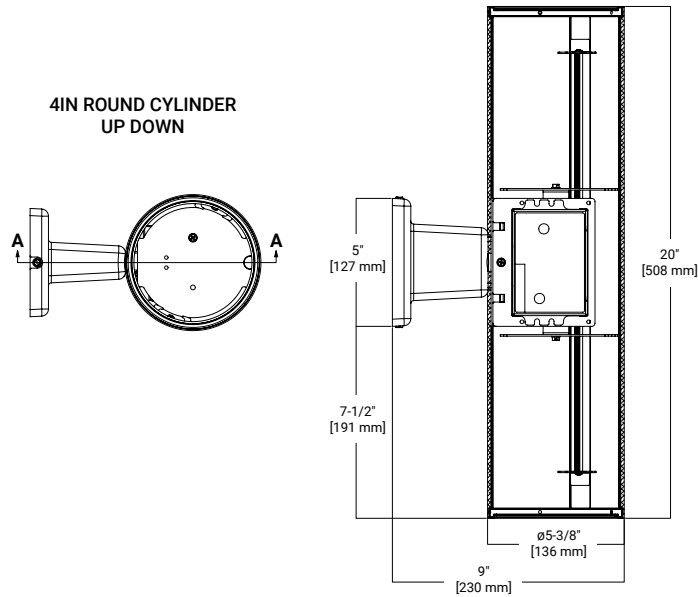
**4IN ROUND CYLINDER
SURFACE MOUNT**



**4IN ROUND CYLINDER
WALL MOUNT**

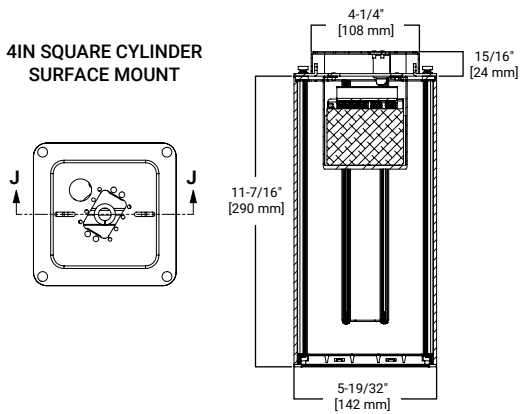


**4IN ROUND CYLINDER
UP DOWN**

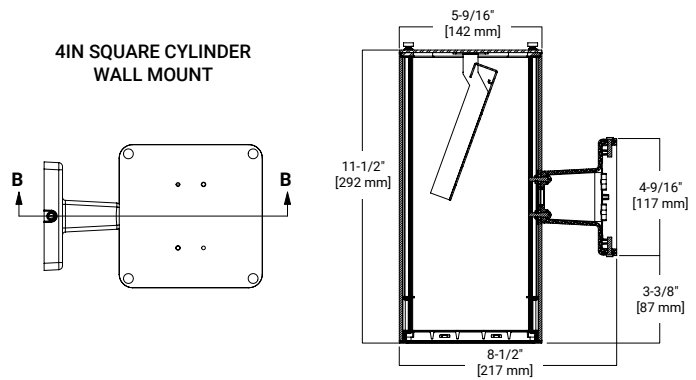


Dimensional and Mounting Details

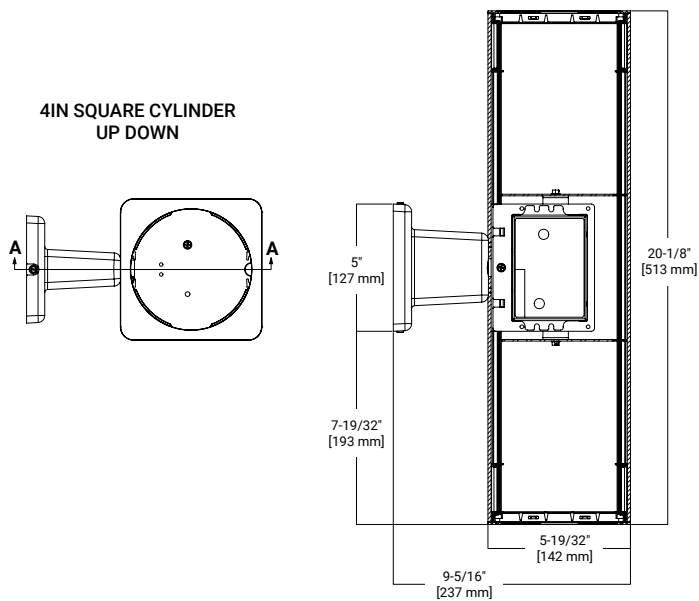
4IN SQUARE CYLINDER
SURFACE MOUNT



4IN SQUARE CYLINDER
WALL MOUNT

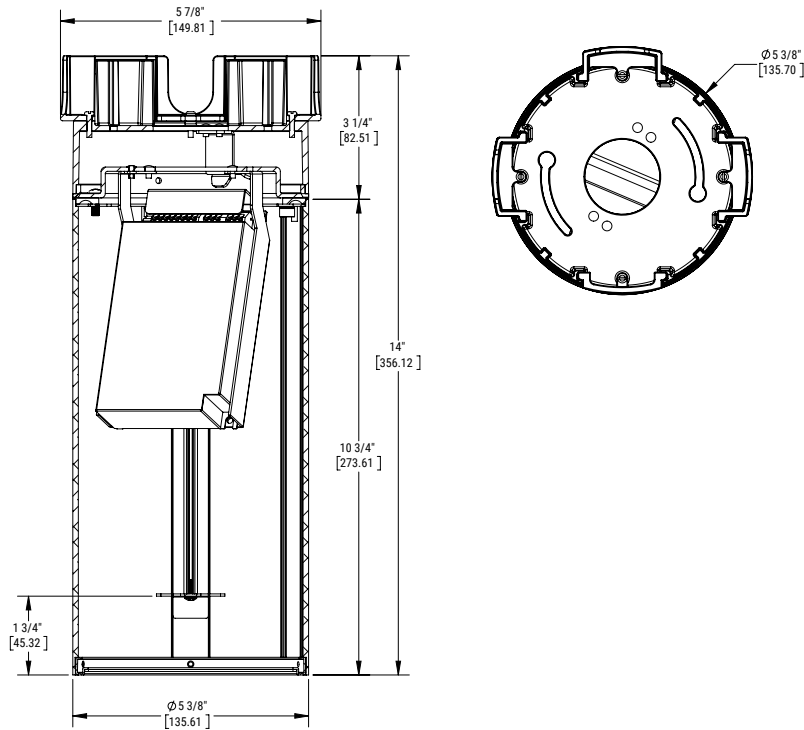


4IN SQUARE CYLINDER
UP DOWN



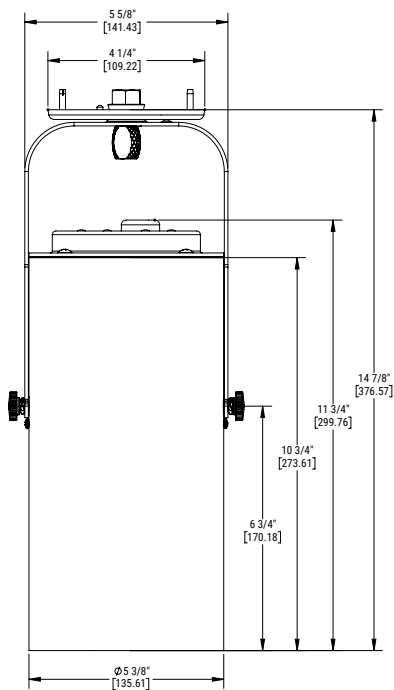
Dimensional and Mounting Details

4" ROUND CONDUIT CANOPY

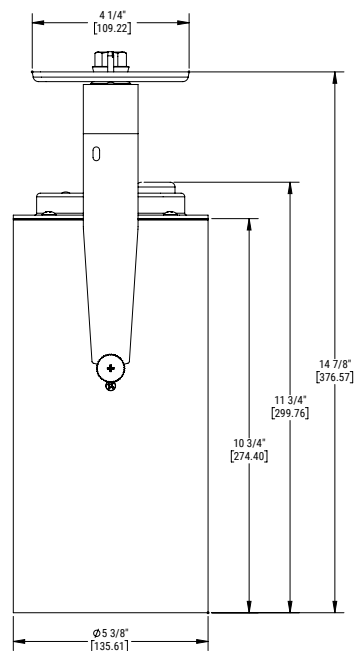


4" ROUND, YOKE MOUNT

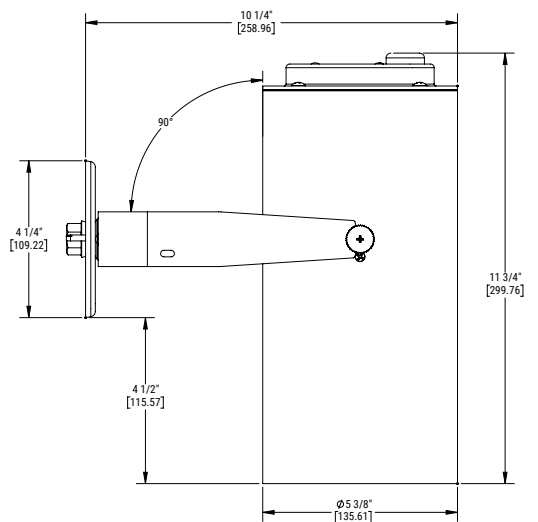
FRONT VIEW



SIDE VIEW @ 0° TILT

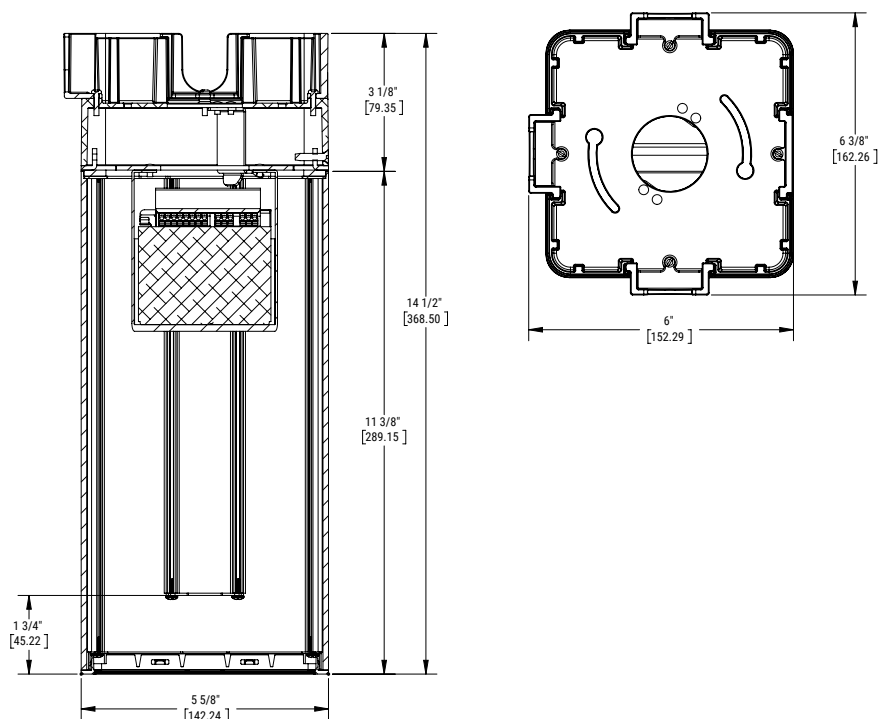


SIDE VIEW FULL TILT



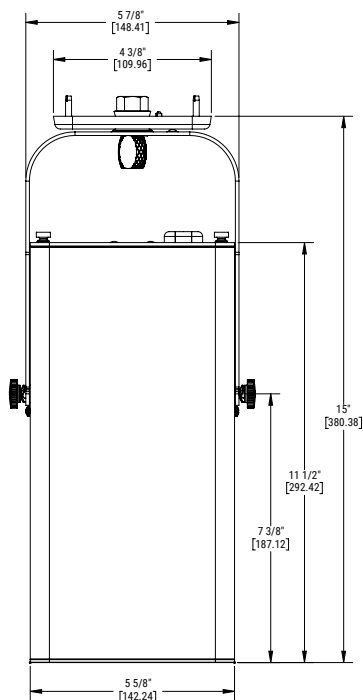
Dimensional and Mounting Details

4" SQUARE CONDUIT CANOPY

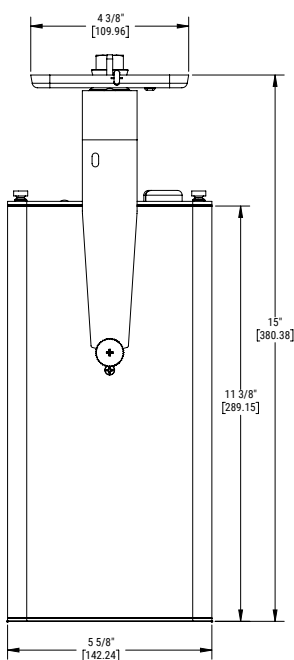


4" SQUARE YOKE MOUNT

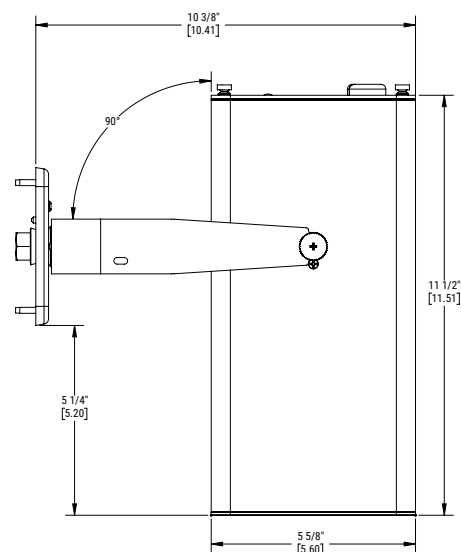
FRONT VIEW



SIDE VIEW @ 0° TILT



SIDE VIEW FULL TILT



The screenshot displays the WaveLinx Lite mobile application interface. At the top, the status bar shows the time as 12:00 PM, battery level at 90%, and signal strength. The app title 'WaveLinx Lite' is prominently displayed. Below the title, there are two input fields: 'Email ID' and 'Password'. A 'Login ID' button is positioned below the password field. At the bottom of the screen, there are links for 'Register' and 'Forgot Password'. The footer features the Cooper Lighting Controls logo and text.

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



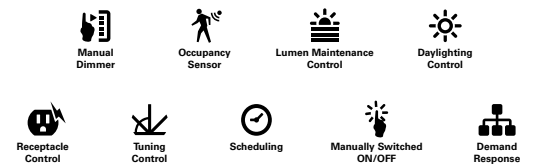
WaveLinx LITE Bluetooth Enabled System



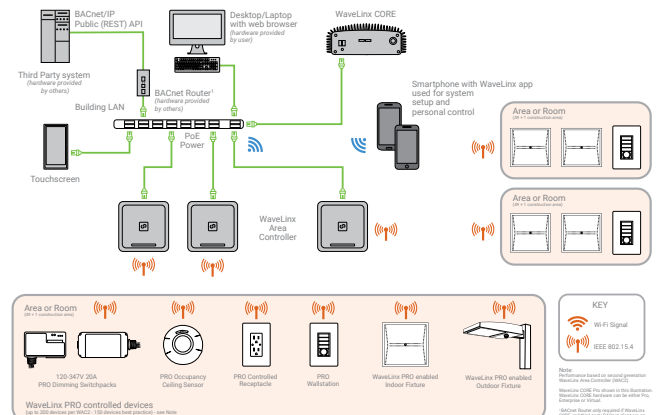
- WaveLinx PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



WaveLinx mobile app settings



WaveLinx CORE Building Management Integration



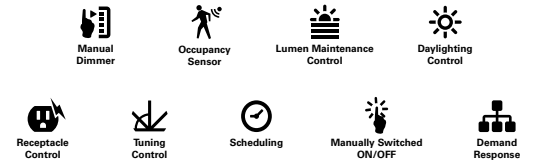
Connected Solutions

WaveLinX PRO Wireless Node - WPN

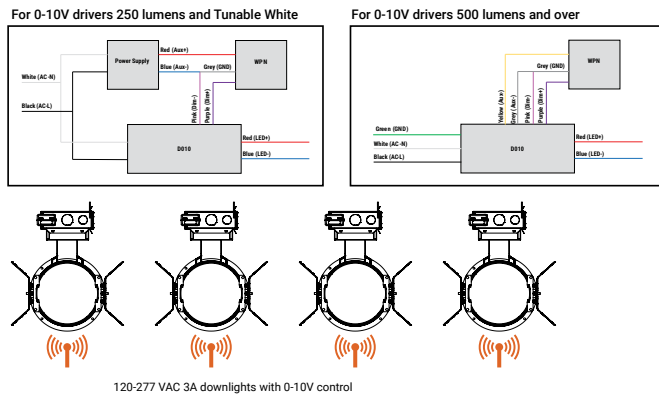
- WaveLinX Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinX Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



WaveLinX mobile app settings



WaveLinX PRO Wireless Node (WPN) Wiring Diagram



WaveLinX CORE Building Management Integration

