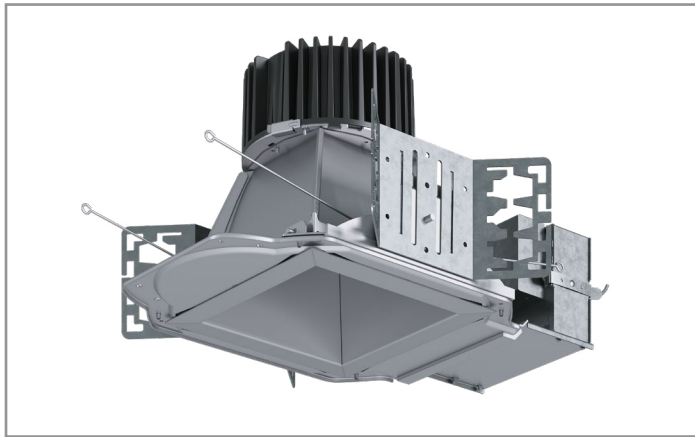


|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



## Portfolio

### LDSQ6D | EU6D | 6LBSQW

6" Square, New Construction Downlight  
with high center beam optics  
250-9500 Lumens

#### Typical Applications

Office • Education • Healthcare • Hospitality • Retail •  
Code-Compliance Areas • Sports Venues

#### Interactive Menu

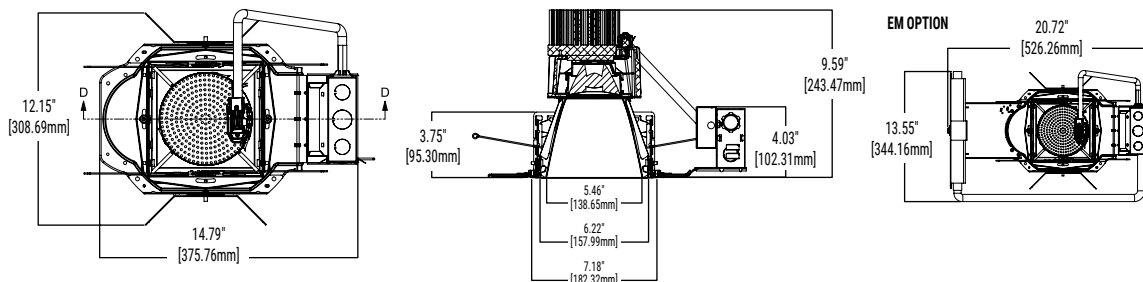
- Order Information [page 2](#)
- Product Specifications [page 4](#)
- Energy Data [page 6](#)
- Photometric Data [page 7](#)
- Connected System [page 12](#)
- Product Warranty



## Top Product Features

- 250-9500 lumens; Offered in 90 and 97 CRI; ENERGY STAR® qualified
- Optics in 6°, 8°, and 5° increments from 10°-70°; Optional media holder accepts two lens media
- Optional snap in driver for ease of replacement; Die-cast or anodized aluminum reflectors
- Standard 0-10V driver dims to 1%; Easy disconnect for LED engine replacement and installation
- 2400K, 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- Available W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K

## Dimensional and Mounting Details



[CLICK HERE](#)  
dimension information

## Single Line Order Information

SAMPLE ORDER NUMBER: **LDSQ6D10R109030D010SQW1H = LDSQ6D10D010 + EU6DR100210IC9030 + 6LBSQW1H**

Invoice will indicate separate fixture components (housing, trim, module) which will ship complete from a single CLS facility in separate cartons.

To receive separate components (housing, trim, module) shipment, click on the "Multi-Line Ordering Information Option" button to the right.

Multi-line Ordering  
Information Option

| Housing  | Lumen <sup>(1)</sup>  |   |   | Optic  |  | Color Control                                    | CCT   |   | Optic Position   |
|--|---|---|---|--|--|--|---|---|--|
| <b>LDSQ6D</b> =LED Square Downlight 6" Nominal Aperture<br><b>LDSQ6DCP</b> =LED Square Downlight 6" Nominal Aperture, Chicago Plenum | <b>02</b> =250 lumens<br><b>02B</b> =250 lumens for use with 6" optic <sup>(11)</sup><br><b>05</b> =500 lumens<br><b>08</b> =800 lumens<br><b>10</b> =1000 lumens<br><b>15</b> =1500 lumens<br><b>20</b> =2000 lumens <sup>(16)</sup><br><b>25</b> =2500 lumens <sup>(16)</sup> | <b>30</b> =3000 lumens <sup>(16)</sup><br><b>35B</b> =3500 lumens <sup>(16) (21)</sup><br><b>40B</b> =4000 lumens <sup>(16) (21)</sup><br><b>45B</b> =4500 lumens <sup>(16) (21)</sup><br><b>50</b> =5000 lumens <sup>(16) (21)</sup><br><b>55</b> =5500 lumens <sup>(16) (21)</sup><br><b>60</b> =6000 lumens <sup>(16) (21)</sup> | <b>65</b> =6500 lumens <sup>(10) (21)</sup><br><b>70B</b> =7000 lumens <sup>(10) (21)</sup><br><b>75B</b> =7500 lumens <sup>(10) (21)</sup><br><b>80B</b> =8000 lumens <sup>(10) (21)</sup><br><b>85B</b> =8500 lumens <sup>(10) (21)</sup><br><b>90B</b> =9000 lumens <sup>(10) (21)</sup><br><b>95B</b> =9500 lumens <sup>(10) (21)</sup> | <b>X</b> =No optic order separately <sup>(21)</sup><br><br><b>R06</b> =6" limited to 250 lumens<br><b>R08</b> =8" limited to 1000 lumens<br><b>R10</b> =10" limited to 2000 lumens<br><b>R15</b> =15" limited to 3000 lumens<br><b>R20</b> =20" limited to 3000 lumens<br><b>R25</b> =25"<br><b>R30</b> =30" | <b>R35</b> =35°<br><b>R40</b> =40°<br><b>R45</b> =45°<br><b>R50</b> =50°<br><b>R55</b> =55°<br><b>R60</b> =60°<br><b>R65</b> =65°<br><b>R70</b> =70° | <b>90</b> =90 CRI Min.<br><b>97</b> =97 CRI Min. | <b>90 CRI</b><br><b>24</b> =2400K<br><b>27</b> =2700K<br><b>30</b> =3000K<br><b>35</b> =3500K<br><b>40</b> =4000K<br><b>50</b> =5000K | <b>97 CRI</b><br><b>27</b> =2700K<br><b>30</b> =3000K | <b>Blank</b> =Engine accepts optic only (preferred if media will not be used)<br><b>2M</b> =Engine accepts up to 2 lenses or media (optic is recessed in engine) |

| Voltage  | Driver  | Driver Options   | Hanger Bars   |
|--|---|--|---|
| <b>Blank</b> =120-277V used with all integral drivers and remote drivers 1500 lumens and below<br><b>1</b> =120V Only required when using remote driver 2000 lumens and above<br><b>2</b> =277V Only required when using remote driver 2000 lumens and above<br><b>3</b> =347V (D010 driver 800-4500). 250, 500, 5000-7000, remote drivers from 2000-7000 lumens and all other drivers use step down transformer | <b>D010</b> =0-10V, 1-100% (500-9500 lumens)<br><b>D010TR</b> =0-10V or (120V) phase cut dimming 1-100% (250-5000 lumens)<br><b>DE010</b> =0-10V linear dimming, 0.1-100% (250 lumen [02B only], 800-6500 lumens)<br><b>D5LT</b> =DALI T6 Logarithmic Dimming, 0.1-100% (250 lumen [02B only], 800-6500 lumens)<br><b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1-100% (1000-5000 lumens) <sup>(14)</sup><br><b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1-100% with RJ45 connection (1000-5000 lumens) <sup>(14)</sup><br><b>DLE</b> =Lutron Ecosystem dimming 1-100% (1000-3500 lumens)<br><b>DLVP</b> =Low voltage dimming 1-100% for use with DLVP system, 1000-3000 lumens <sup>(9)</sup> | <b>Blank</b> = Integral driver<br><b>RD100</b> = Remote 100ft <sup>(9) (33)</sup><br><b>RD75</b> = Remote 75ft <sup>(9) (33)</sup><br><b>RD50</b> = Remote 50ft <sup>(9) (33)</sup><br><b>RD25</b> = Remote 25ft <sup>(9) (33)</sup><br><b>RD15</b> = Remote 15ft <sup>(9)</sup><br><b>RD5</b> = Remote 5ft <sup>(9)</sup><br><b>RD2</b> = Remote 2ft <sup>(9)</sup><br><b>PD</b> = Plug in Driver | <b>Blank</b> = Without hanger bars<br><b>B26</b> = C-channel Bar Hanger, 26" Long, Pair |

| Trim Distribution  | Trim Flange   | Trim Finish   | Options <sup>(3) (16) (31)</sup>  |  |
|--|---|---|---|--|
| <b>SQW</b> = 45° cutoff Anodized Aluminum<br><b>CSSQ</b> =Cast Shallow Square, Die Cast Aluminum | <b>0</b> =White Polymer Trim Ring <sup>(14)</sup><br><b>1</b> =Self-flanged <sup>(13)</sup><br><b>2</b> =White Painted Self-flanged<br><b>4</b> =Knife edge rimless use with die cast only <sup>(22) (23)</sup> | <b>LI</b> =Specular Clear <sup>(9)</sup><br><b>H</b> =Semi-Specular Clear <sup>(9)</sup><br><b>WMH</b> =Warm Haze <sup>(9)</sup><br><b>WH</b> =Wheat <sup>(9)</sup><br><b>GPH</b> =Graphite Haze <sup>(9)</sup><br><b>B</b> =Specular Black <sup>(9)</sup><br><b>MB</b> =Matte White (Antimicrobial)<br><b>MB</b> =Matte Black <sup>(9)</sup><br><b>MMS</b> =Matte Metallic Silver <sup>(8)</sup> | <b>EMBOD</b> =Bodine® 7W Emergency Module with Remote Test Switch <sup>(25)</sup><br><b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Remote Test Switch<br><b>EM7</b> =7W Emergency Module with Remote Test Switch<br><b>EM14</b> =14W Emergency Module with Remote Test Switch<br><b>EM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch<br><b>EMBOD7ST</b> =Bodine® 7W Self Test Emergency Module with Integral Test Switch <sup>(9) (25)</sup><br><b>EMBOD</b> =Bodine® 7W Emergency Module with Integral Test Switch <sup>(9) (25)</sup><br><b>EM7</b> =7W Emergency Module with Integral Test Switch <sup>(6)</sup><br><b>EM14</b> =14W Emergency Module with Integral Test Switch <sup>(6)</sup><br><b>EM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch <sup>(6)</sup><br><b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Integral Test Switch | <b>EMV7</b> =7W Low Voltage Emergency Module with Remote Test Switch <sup>(4)</sup><br><b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(4)</sup><br><b>ETRD</b> =Emergency transfer device <sup>(22)</sup><br><b>WPST</b> = Factory installed WaveLinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) <sup>(15) (18)</sup><br><b>WLST</b> = Factory installed WaveLinx LITE Sensor Kit <sup>(15) (17)</sup><br><b>WPN</b> = WaveLinx PRO Wireless Node without sensor <sup>(19)</sup><br><b>WLN</b> = WaveLinx LITE Wireless Node without sensor <sup>(35)</sup> |

| Accessories (Sold separately) <sup>(22)</sup>   |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| <b>PRSQ6</b> =Rimless Plaster Ring <sup>(2)</sup><br><b>RKPSQ6</b> =Knife Edge plaster Ring <sup>(24)</sup><br><br><b>RPMSQ6MW</b> =Rimless Millwork Ring, Matte White <sup>(2)</sup><br><b>RPMSQ6MB</b> =Rimless Millwork Ring, Matte Black <sup>(2)</sup><br><b>RKMSQ6MW</b> =Knife Edge Millwork Ring, Matte White <sup>(24)</sup><br><b>RKMSQ6MB</b> =Knife Edge Millwork Ring, Matte Black <sup>(24)</sup> | <b>Connected Lighting Systems</b> <sup>(3) (15) (16) (31)</sup><br><b>WPST</b> = Field installed WaveLinx sensor Kit <sup>(18)</sup><br><b>WLST</b> = Field installed WaveLinx LITE Sensor Kit <sup>(17)</sup><br><br><b>Transformers</b><br><b>H347</b> =H347 for 7000 lumens and below<br><br><b>Bar Hangers</b><br><b>HB50</b> =C-channel Bar Hanger, 50" Long, Pair<br><b>RMB22</b> =Wood Joist Bar Hanger, 22" Long, Pair | <b>Optics</b><br><b>46R25</b> =25°<br><b>46R30</b> = 30°<br><b>46R35</b> = 35°<br><b>46R40</b> = 40°<br><b>46R45</b> = 45°<br><b>46R50</b> = 50°<br><b>46R55</b> = 55°<br><b>46R60</b> = 60°<br><b>46R65</b> = 65°<br><b>46R70</b> = 70° | <b>Color Filters</b> <sup>(37)</sup><br><b>F22-20</b> =Red<br><b>F33-20</b> =Blue<br><b>F44-20</b> =Green<br><b>F55-20</b> =Yellow<br><b>F66-20</b> =Mercury | <b>Dichronic Filters</b> <sup>(37)</sup><br><b>F71-20</b> =Peach<br><b>F72-20</b> =Amber<br><b>F73-20</b> =Green<br><b>F74-20</b> =Medium Blue<br><b>F75-20</b> =Yellow<br><b>F76-20</b> =Red<br><b>F77-20</b> =Dark Blue<br><b>F78-20</b> =Light Blue<br><b>F79-20</b> =Neutral Density<br><b>F80-20</b> =Magenta | <b>Beam-Modifying Lenses</b> <sup>(37)</sup><br><b>LSL-20</b> =Linear Spread Lens<br><b>OSL-20</b> =Overall Spread Lens<br><b>DIF-20</b> =Diffused Lens<br><br><b>Asymmetric Film</b> <sup>(37)</sup><br><b>46ASYMFILM</b> =Asymmetric Film (see chart for distribution)<br><br><b>Louvers</b> <sup>(37)</sup><br><b>LVR-20</b> =Hex Cell Louver |  |

## Notes:

- Nominal Lumens will vary depending on selected CRI and CCT.
- Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
- Not available with Chicago Plenum.
- ULUS listed only
- Available with SQW open anodized Aluminum trims. Required for use with all IEMBOD, IEMBOD6ST, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
- Available only on CS distributions.
- Not available on CS distributions.
- Product is marked spacing. [Reference table on page 4.](#)
- For use with DE010 and D5LT drivers
- Flange is the same finish as the reflector
- DMX fixtures default to full on upon loss of DMX signal.
- Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
- Non-IC

- WLST = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)
- WPST = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
- WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
- Available only 25" beam and above
- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- Requires knife edge accessory ring
- Order die cast trim with flange type 4
- Not available with 7000-9500 lumens, DLVP up to 3000 lumens
- Order with self flanged trim.
- 120V-277V

- Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)
- Not available with Lutron drivers
- Not available with CSSQ Cast Shallow Square, Die Cast Aluminum reflector
- WLN = WaveLinx LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
- Requires 2M designation on light engine.

Continued on next page.

## Product Specifications

### Lower Shielding Reflector

- Painted die cast aluminum or 45° cutoff anodized aluminum reflector providing minimal source brightness.
- Anodized reflectors are offered in all Portfolio finishes.
- Reflector is retained with two torsion springs holding the flange tight to the finished ceiling surface.
- Plaster lathing ring, knife edge and millwork ring accessory for flush reflector transition

### Optic

- Interchangeable silicone optic in 5° increments from 10°-70° providing smooth beam without color separation
- Elliptical beams
- Available media holder fits onto optic holder and holds up to two lens media

### Trim Retention

- Two torsion springs hold reflector flange tightly to the finished ceiling surface

### Plaster Frame/Collar

- Galvanized steel plaster frame with adjustable collar adjusts for up to 2" thick ceilings and rotates +/- 7.5°.

### Universal Mounting Bracket

- Accepts 1/2" Electric Metallic Tube (EMT), C-channel and bar hangers
- Adjusts 5" vertically from above and below the ceiling

### Junction box

- Four 1/2" and two 3/4" trade size pry outs positioned to allow straight conduit runs
- Lever connectors for simple push in wiring
- Listed for (4) #12 AWG (two in, two out) 90°C conductors and feed thru branch wiring for type IC and Plug in drivers for 120/277V only. For all other cases (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring for 120/277V only

### Thermal

- Aluminum heat sink conducts heat away from the LED module for improved 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)

### Vividthune and BioUp (Available Option)

- 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
- 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/0-10V, <1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem
- Driver can be serviced from above or through the aperture
- Distributed low voltage power system combines power, lighting, and controls with ease of installation.
- Optional magnetically guided snap in driver for ease of maintenance.

### Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- 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
- EM14RSD with simplified battery replacement and self diagnostics

### Connected Lighting System

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

#### WaveLinX PRO Tilemount Sensor Kit

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

#### WaveLinX PRO Wireless Node

- WaveLinX PRO WPN wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. **Note:** Not compatible with 347V or Chicago plenum.

#### WaveLinX LITE Tilemount Sensor Kit

- WaveLinX LITE WLST tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

#### WaveLinX LITE Wireless Node

- WaveLinX LITE WLN wireless node provides luminaire level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V

driver only. **Note:** Not compatible with 347V or Chicago plenum.

### WaveLinX Tilemount Sensor Kits Application

- The WPST and WLST tilemount sensor kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WPST and WLST tilemount sensor kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- Note: WaveLinX PRO devices are only compatible with the WaveLinX PRO system.**
- Note: WaveLinX LITE devices are only compatible with the WaveLinX LITE system.**

### Code Compliance

- Thermally protected
- cULus Certified to UL 1598 / C22.2 No. 250.0 suitable for damp locations with covered ceiling
- Optional City of Chicago environmental air (CCEA) marking for plenum applications
- FCC CFR Title 47 Part 15 Class B at 120VAC and Class A at 277VAC
- Insulated ceiling (IC) rated up to 1000 lumens for 10°, 15° and 20° beams, 1500 lumens for 25° beam and above. All others are non-IC rated (insulation must be kept 3" from top and sides of housing).
- Can be used for State of California Title 24 high efficacy LED compliance under JA8\*, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting
- RoHS compliant\*
- Photometric testing completed in accordance with IES LM-79
- LED life testing completed in accordance with IES LM-80-08 and TM-21-11 standards
- See below for marked spacing requirements

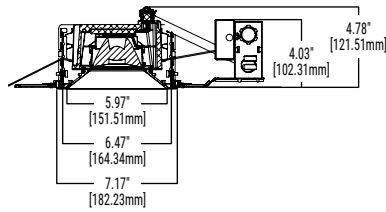
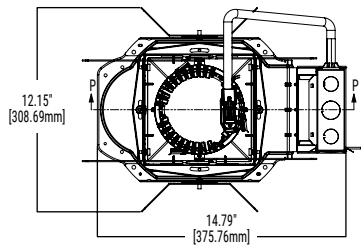
### Warranty

- Five year warranty [www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

## Marked Spacing

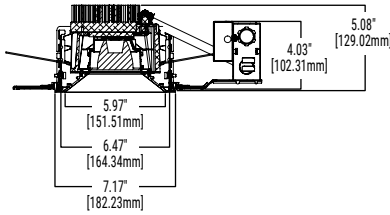
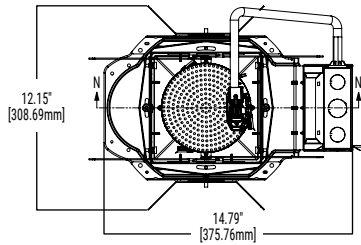
| 6-inch Marked spacing for 90 and 97 CRI |   |   |                                  |
|---|---|---|----------------------------------|
| Lumens                                  | Center to Center of Adjacent Luminaire (inches) | Center Luminaire to Building Side Member (inches) | Minimum Overhead Height (inches) |
| 5500-6500                               | 36  | 18  | 6                                |
| 7000-9500                               | 36  | 18  | 8                                |

## Dimensional and Mounting Details



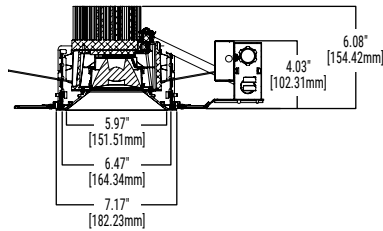
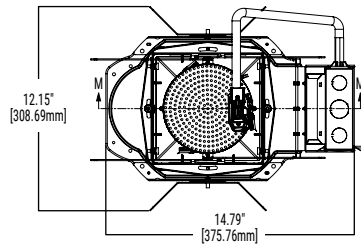
**LDSQ6D-6LBCSSQ**

|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 250-2000       | 10°         |
|           | 250-3000       | 15°-20°     |
|           | 250-1500       | 25°-70°     |



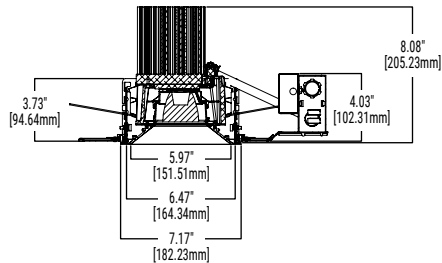
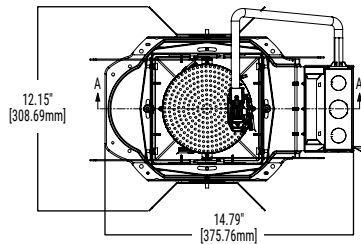
**LDSQ6D-6LBCSSQ**

|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 2000-5000      | 25°-70°     |



**LDSQ6D-6LBCSSQ**

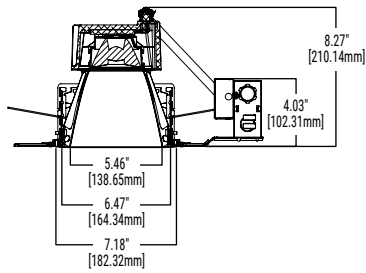
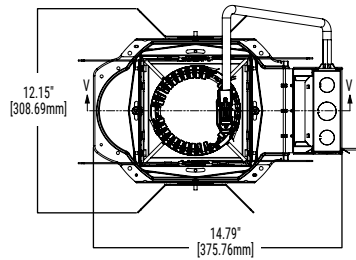
|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 5500-6500      | 25°-70°     |



**LDSQ6D-6LBCSSQ**

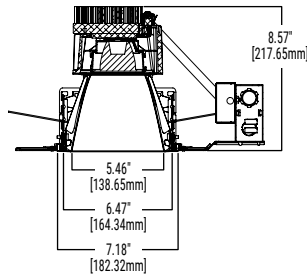
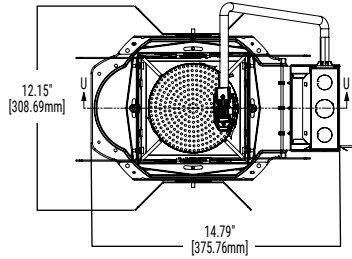
|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 7000-9500      | 25°-70°     |

## Dimensional and Mounting Details



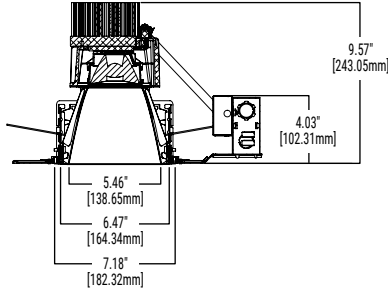
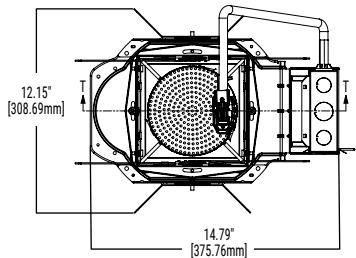
**LDSQ6D-6LBCSSQ**

|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 250-2000       | 10°         |
|           | 250-3000       | 15°-20°     |
|           | 250-1500       | 25°-70°     |



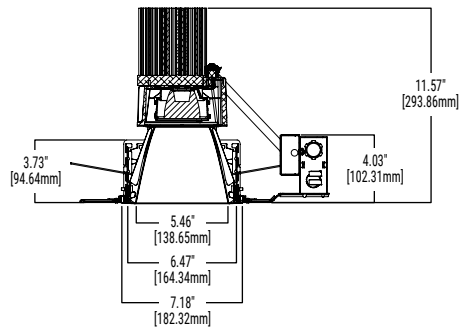
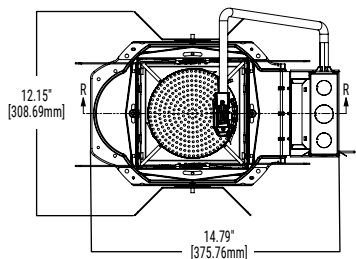
**LDSQ6D-6LBCSSQ**

|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 2000-5000      | 25°-70°     |



**LDSQ6D-6LBCSSQ**

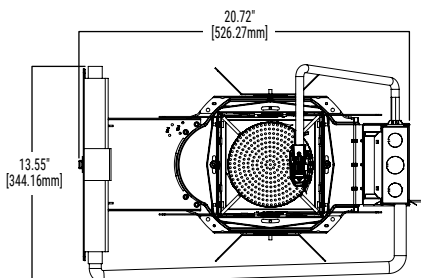
|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 5500-6500      | 25°-70°     |



**LDSQ6D-6LBCSSQ**

|           | Min-Max Lumens | Beam Angles |
|-----------|----------------|-------------|
| 90/97 CRI | 7000-9500      | 25°-70°     |

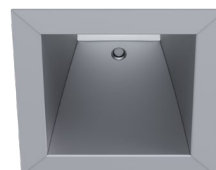
## Emergency Option



**Trim with E option**



**Trim with EM6 option**



## Energy and Performance Data

## D010 DRIVER ENERGY DATA

| Series                    | 250 Lumen |       | 500 Lumen |       | 750 Lumen |       | 1000 Lumen |       | 1500 Lumen |       | 2000 Lumen |       |
|---------------------------|-----------|-------|-----------|-------|-----------|-------|------------|-------|------------|-------|------------|-------|
| Input Voltage 120-277 VAC | 120       | 277   | 120       | 277   | 120       | 277   | 120        | 277   | 120        | 277   | 120        | 277   |
| Input Current (A)         | 0.029     | 0.017 | 0.054     | 0.027 | 0.065     | 0.031 | 0.09       | 0.045 | 0.129      | 0.057 | 0.194      | 0.086 |
| Input Power (W)           | 3.4       | 3.9   | 6.5       | 6.9   | 7.7       | 8.1   | 10.7       | 11.1  | 15.5       | 15.4  | 23.2       | 23.1  |
| In-rush (A)               | 2.1       | 9.15  | 2.1       | 9     | 2.1       | 9     | 2.1        | 9.1   | 2.1        | 9.3   |            | 11.1  |
| Inrush duration           | 250       | 127   | 254       | 128   | 249       | 142   | 255        | 153   | 255        | 236   | 246        | 115   |
| THDi (%)                  | 8.2       | 19.9  | 7.8       | 14    | 8.1       | 11.2  | 6.6        | 9.7   | 11.5       | 6.6   | 9.1        | 11.1  |
| PF                        | 0.99      | 0.83  | 0.99      | 0.91  | 0.99      | 0.93  | 1.0        | 0.97  | 0.99       | 0.98  | 0.97       | 0.97  |

| Series                    | 2500 Lumen |       | 3000 Lumen |       | 3500 Lumen |       | 4000 Lumen |       | 4500 Lumen |       | 5000 Lumen |       |
|---------------------------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|
| Input Voltage 120-277 VAC | 120        | 277   | 120        | 277   | 120        | 277   | 120        | 277   | 120        | 277   | 120        | 277   |
| Input Current (A)         | 0.23       | 0.103 | 0.27       | 0.128 | 0.278      | 0.133 | 0.294      | 0.137 | 0.33       | 0.153 | 0.414      | 0.185 |
| Input Power (W)           | 27.5       | 276   | 32.3       | 32.5  | 33.2       | 34.2  | 35.20      | 35.6  | 39.5       | 40    | 49.5       | 49    |
| In-rush (A)               | 2.6        | 12.5  | 2.6        | 12.9  | 1.1        | 2.6   | 3.03       | 14.4  | 1.1        | 2.5   | 3.2        | 14.4  |
| Inrush duration           | 231        | 197   | 212        | 124   | 59         | 38    | 214        | 167   | 60         | 39    | 194        | 169   |
| THDi (%)                  | 7.6        | 8.8   | 9.1        | 16.5  | 7.3        | 15.9  | 4.3        | 10.9  | 4.6        | 12.1  | 4.7        | 7.7   |
| PF                        | 1.0        | 0.97  | 1.0        | 0.97  | 1.0        | 0.93  | 1.0        | 0.93  | 1.0        | 0.95  | 1.0        | 0.96  |

| Series                    | 5500 Lumen |      | 6000 Lumen |       | 6500 Lumen |      | 7000 Lumen |       | 7500 Lumen |     | 8000 Lumen |       |
|---------------------------|------------|------|------------|-------|------------|------|------------|-------|------------|-----|------------|-------|
| Input Voltage 120-277 VAC | 120        | 277  | 120        | 277   | 120        | 277  | 120        | 277   | 120        | 277 | 120        | 277   |
| Input Current (A)         | 0.51       | 0.23 | 0.568      | 0.273 | 0.428      | 0.19 | 0.579      | 0.258 |            |     | 0.677      | 0.297 |
| Input Power (W)           | 61         | 59.6 | 67.7       | 66.5  | 51         | 50.6 | 69.1       | 67.6  |            |     | 80.1       | 78.9  |
| In-rush (A)               | 22.1       | 31.7 | 23.1       | 30.4  | 3.3        | 15.1 | 23.7       | 33    |            |     | 23.7       | 30.4  |
| Inrush duration           | 191        | 62   | 196        | 37    | 190        | 156  | 150        | 69.8  |            |     | 203        | 40    |
| THDi (%)                  | 6.9        | 13.7 | 6.1        | 10.9  | 5.1        | 7.3  | 6.5        | 12.8  |            |     | 6.1        | 11.7  |
| PF                        | 1.0        | 0.93 | 1.0        | 0.88  | 1.0        | 0.96 | 1.0        | 0.95  |            |     | 1.0        | 0.96  |

| Series                    | 8500 Lumen |       | 9000 Lumen |       | 9500 Lumen |      |
|---------------------------|------------|-------|------------|-------|------------|------|
| Input Voltage 120-277 VAC | 120        | 277   | 120        | 277   | 120        | 277  |
| Input Current (A)         | 0.741      | 0.338 | 0.829      | 0.371 | 0.851      | 0.38 |
| Input Power (W)           | 88.5       | 85.9  | 99.1       | 96    | 101.7      | 98.5 |
| In-rush (A)               | 22.74      | 33.37 | 23.1       | 6.1   | 23.0       | 48.6 |
| Inrush duration           | 174        | 47    | 198        | 61    | 258        | 262  |
| THDi (%)                  | 4.7        | 10    | 4.3        | 8.4   | 4          | 8.4  |
| PF                        | 1.0        | 0.9   | 1.0        | 0.93  | 1.0        | 0.9  |

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

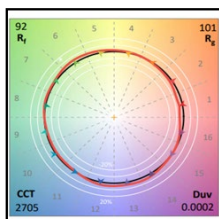
Sound Rating: Class A standards

## Notes:

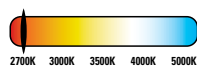
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

## COLOR METRICS - TM-30-15 &amp; CRI/CIE

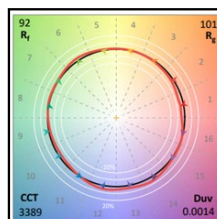
## 90 CRI Color Metric Summary - 2700K\*



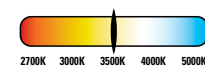
|          |            |
|----------|------------|
| TM-30-15 | Rf = 92.4  |
|          | Rg = 101.2 |
| CRI/CIE  | Ra = 93.7  |
|          | R9 = 59.1  |



## 90 CRI Color Metric Summary - 3500K\*



|          |            |
|----------|------------|
| TM-30-15 | Rf = 92.1  |
|          | Rg = 101.1 |
| CRI/CIE  | Ra = 92.9  |
|          | R9 = 61.9  |

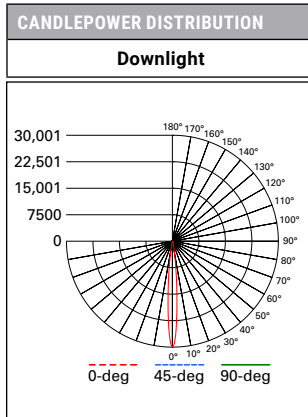


\* Color values are based on haze reflector, other finishes and field results may vary.

## Photometric Data



| 10° with 6LBCSSQ and 6LBSQw reflector |                 |
|---------------------------------------|-----------------|
| Test Number                           | P736023         |
| Housing                               | LD6D15D010      |
| Module                                | EU6DR1015209035 |
| Trim                                  | 6LBCSSQMW       |
| Lumens                                | 1378            |
| Efficacy                              | 87.2 Lm/W       |
| SC                                    | 0.17            |
| UGR                                   | 10              |



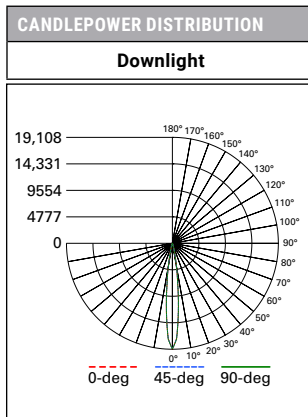
**CONE OF LIGHT**

| D   | FC    | L   | W   |
|-----|-------|-----|-----|
| 6'  | 833.4 | 0.8 | 0.8 |
| 8'  | 468.8 | 1.2 | 1.2 |
| 10' | 300   | 1.6 | 1.6 |
| 12' | 208.3 | 1.8 | 1.8 |
| 15' | 133.3 | 2.4 | 2.4 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 30001 |
| 5                | 14172 |
| 15               | 774   |
| 25               | 157   |
| 35               | 54    |
| 45               | 20    |
| 55               | 7     |
| 65               | 0     |
| 75               | 0     |
| 80               | 0     |

| 15° with 6LBCSSQ and 6LBSQW reflector |                 |
|---------------------------------------|-----------------|
| Test Number                           | P736025         |
| Housing                               | LD6D15D010      |
| Module                                | EU6DR1515309035 |
| Trim                                  | 6LBCSSQMW       |
| Lumens                                | 1402            |
| Efficacy                              | 88.8 Lm/W       |
| SC                                    | 0.22            |
| UGR                                   | 10              |



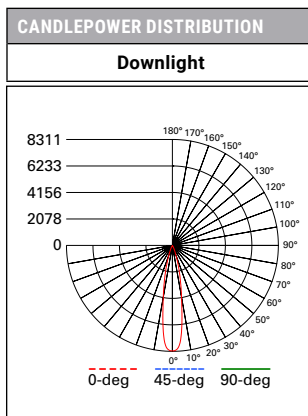
**CONE OF LIGHT**

| D   | FC    | L   | W   |
|-----|-------|-----|-----|
| 6'  | 530.8 | 1.2 | 1.2 |
| 8'  | 298.6 | 1.6 | 1.6 |
| 10' | 191.1 | 2.2 | 2.2 |
| 12' | 132.7 | 2.6 | 2.6 |
| 15' | 84.9  | 3.2 | 3.2 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 19108 |
| 5                | 12432 |
| 15               | 1080  |
| 25               | 127   |
| 35               | 25    |
| 45               | 12    |
| 55               | 8     |
| 65               | 5     |
| 75               | 2     |
| 80               | 2     |

| 20° with 6LBCSSQ and 6LBSQW reflector |                 |
|---------------------------------------|-----------------|
| Test Number                           | P736027         |
| Housing                               | LD6D15D010      |
| Module                                | EU6DR2015309035 |
| Trim                                  | 6LBCSSQMW       |
| Lumens                                | 1460            |
| Efficacy                              | 92.4 Lm/W       |
| SC                                    | 0.34            |
| UGR                                   | 10              |



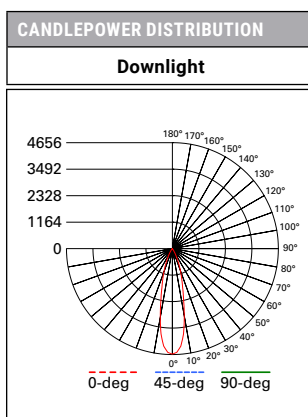
**CONE OF LIGHT**

| D   | FC    | L   | W   |
|-----|-------|-----|-----|
| 6'  | 230.9 | 2   | 2   |
| 8'  | 129.9 | 2.6 | 2.6 |
| 10' | 83.1  | 3.4 | 3.4 |
| 12' | 57.7  | 4   | 4   |
| 15' | 36.9  | 5   | 5   |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 8311  |
| 5                | 7469  |
| 15               | 2066  |
| 25               | 379   |
| 35               | 98    |
| 45               | 27    |
| 55               | 7     |
| 65               | 2     |
| 75               | 0     |
| 80               | 0     |

| 25° with 6LBCSSQ and 6LBSQW reflector |                  |
|---------------------------------------|------------------|
| Test Number                           | P736029          |
| Housing                               | LD6D15D010       |
| Module                                | EU6DR250215C9035 |
| Trim                                  | 6LBCSSQMW        |
| Lumens                                | 1228             |
| Efficacy                              | 77.7 Lm/W        |
| SC                                    | 0.42             |
| UGR                                   | 10               |



**CONE OF LIGHT**

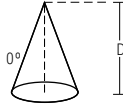
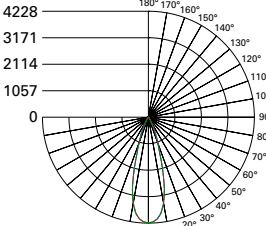
| D   | FC    | L   | W   |
|-----|-------|-----|-----|
| 6'  | 129.3 | 2.4 | 2.4 |
| 8'  | 72.8  | 3.2 | 3.2 |
| 10' | 46.6  | 4.2 | 4.2 |
| 12' | 32.3  | 5   | 5   |
| 15' | 20.7  | 6.2 | 6.2 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 4656  |
| 5                | 4320  |
| 15               | 1760  |
| 25               | 564   |
| 35               | 88    |
| 45               | 21    |
| 55               | 4     |
| 65               | 2     |
| 75               | 0     |
| 80               | 0     |

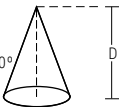
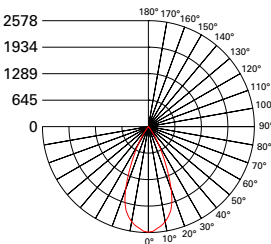
## Photometric Data



| 30° with 6LBCSSQ and 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION  |  | CONE OF LIGHT   |       |     |     | CANDELA TABLE    |       |
|---------------------------------------|-------------------|---|--|---|-------|-----|-----|------------------|-------|
| Test Number                           | P736031           | Downlight   |  |  |       |     |     | Degrees Vertical | 0-deg |
| Housing                               | LD6D15D010        |  |  | D   | FC    | L   | W   | 0                | 4228  |
| Module                                | EU6DR300215IC9035 |   |  | 6'  | 117.4 | 3   | 3   | 5                | 4091  |
| Trim                                  | 6LBCSSQMW         |   |  | 8'  | 66.1  | 4   | 4   | 15               | 2242  |
| Lumens                                | 1315              |   |  | 10'   | 42.3  | 5.2 | 5.2 | 25               | 527   |
| Efficacy                              | 83.2 Lm/W         |   |  | 12'   | 29.4  | 6.2 | 6.2 | 35               | 88    |
| SC                                    | 0.52              |   |  | 15'   | 18.8  | 7.8 | 7.8 | 45               | 23    |
| UGR                                   | 10                |   |  |   |       |     |     | 55               | 4     |
|                                       |                   |   |  |   |       |     |     | 65               | 1     |
|                                       |                   |   |  |   |       |     |     | 75               | 0     |
|                                       |                   |   |  |   |       |     |     | 80               | 0     |

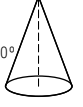
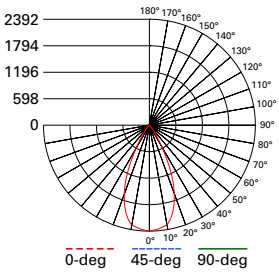
| 35° with 6LBCSSQ and 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION |  | CONE OF LIGHT |       |     |     | CANDELA TABLE    |       |
|---------------------------------------|-------------------|--------------------------|--|---------------|-------|-----|-----|------------------|-------|
| Test Number                           | P736033           | Downlight                |  |               |       |     |     | Degrees Vertical | 0-deg |
| Housing                               | LD6D15D010        |                          |  | D             | FC    | L   | W   | 0                | 3792  |
| Module                                | EU6DR350215IC9035 |                          |  | 6'            | 105.3 | 3.4 | 3.4 | 5                | 3688  |
| Trim                                  | 6LBCSSQMW         |                          |  | 8'            | 59.2  | 4.6 | 4.6 | 15               | 2502  |
| Lumens                                | 1378              |                          |  | 10'           | 37.9  | 5.8 | 5.8 | 25               | 518   |
| Efficacy                              | 87.2 Lm/W         |                          |  | 12'           | 26.3  | 7   | 7   | 35               | 96    |
| SC                                    | 0.6               |                          |  | 15'           | 16.9  | 8.8 | 8.8 | 45               | 33    |
| UGR                                   | 10                |                          |  |               |       |     |     | 55               | 12    |
|                                       |                   |                          |  |               |       |     |     | 65               | 4     |
|                                       |                   |                          |  |               |       |     |     | 75               | 0     |
|                                       |                   |                          |  |               |       |     |     | 80               | 0     |

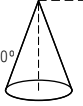
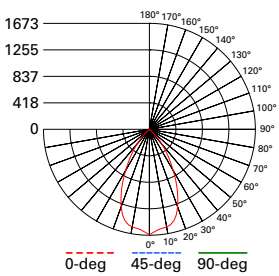
| 40° with 6LBCSSQ and 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION |  | CONE OF LIGHT |      |     |     | CANDELA TABLE    |       |
|---------------------------------------|-------------------|--------------------------|--|---------------|------|-----|-----|------------------|-------|
| Test Number                           | P736035           | Downlight                |  |               |      |     |     | Degrees Vertical | 0-deg |
| Housing                               | LD6D15D010        |                          |  | D             | FC   | L   | W   | 15               | 3393  |
| Module                                | EU6DR400215IC9035 |                          |  | 6'            | 94.2 | 4   | 4   | 5                | 3363  |
| Trim                                  | 6LBCSSQMW         |                          |  | 8'            | 53   | 5.4 | 5.4 | 15               | 2620  |
| Lumens                                | 1457              |                          |  | 10'           | 33.9 | 6.6 | 6.6 | 25               | 699   |
| Efficacy                              | 92.2 Lm/W         |                          |  | 12'           | 23.6 | 8   | 8   | 35               | 92    |
| SC                                    | 0.68              |                          |  | 15'           | 15.1 | 10  | 10  | 45               | 20    |
| UGR                                   | 10                |                          |  |               |      |     |     | 55               | 4     |
|                                       |                   |                          |  |               |      |     |     | 65               | 1     |
|                                       |                   |                          |  |               |      |     |     | 75               | 0     |
|                                       |                   |                          |  |               |      |     |     | 80               | 0     |

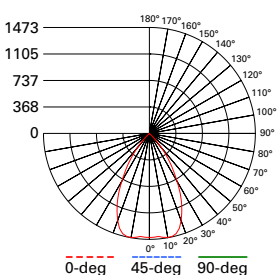
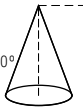
| 45° with 6LBCSSQ and 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION  |  | CONE OF LIGHT   |      | CANDELA TABLE    |       |  |  |
|---------------------------------------|-------------------|---|--|---|------|------------------|-------|--|--|
| Test Number                           | P736037           | Downlight   |  |  |      | Degrees Vertical | 0-deg |  |  |
| Housing                               | LD6D15D010        |  |  | D   | FC   | L                | W     |  |  |
| Module                                | EU6DR450215IC9035 |   |  | 6'  | 71.6 | 4.4              | 4.4   |  |  |
| Trim                                  | 6LBCSSQMW         |   |  | 8'  | 40.3 | 5.8              | 5.8   |  |  |
| Lumens                                | 1459              |   |  | 10'   | 25.8 | 7.4              | 7.4   |  |  |
| Efficacy                              | 92.3 Lm/W         |   |  | 12'   | 17.9 | 8.8              | 8.8   |  |  |
| SC                                    | 0.75              |   |  | 15'   | 11.5 | 11.2             | 11.2  |  |  |
| UGR                                   | 10                |   |  |   |      | 0                | 2578  |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |
|                                       |                   |   |  |   |      |                  |       |  |  |

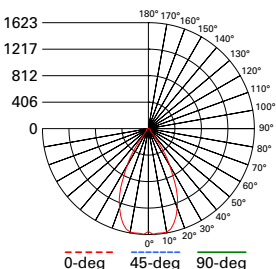
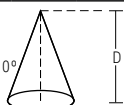
## Photometric Data

 Multipliers

| 50° with 6LBCSSQ and 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION  |      | CONE OF LIGHT   |      |     |     | CANDELA TABLE    |       |
|---------------------------------------|-------------------|---|------|---|------|-----|-----|------------------|-------|
| Test Number                           | P736039           | Downlight   |      |  |      |     |     | Degrees Vertical | 0-deg |
| Housing                               | LD6D15D010        |  |      | D   | FC   | L   | W   | 0                | 2392  |
| Module                                | EU6DR500215IC9035 |   |      | 6'  | 66.4 | 4.6 | 4.6 | 5                | 2358  |
| Trim                                  | 6LBCSSQMW         |   |      | 8'  | 37.4 | 6.2 | 6.2 | 15               | 2047  |
| Lumens                                | 1484              |   |      | 10'   | 23.9 | 7.8 | 7.8 | 25               | 1135  |
| Efficacy                              | 94 Lm/W           |   |      | 12'   | 16.6 | 9.4 | 9.4 | 35               | 221   |
| SC                                    | 0.8               | 15'   | 10.6 | 11.8  | 11.8 | 45  | 32  |                  |       |
| UGR                                   | 10                |   |      |   |      |     |     | 55               | 6     |
|                                       |                   |   |      |   |      |     |     | 65               | 1     |
|                                       |                   |   |      |   |      |     |     | 75               | 0     |
|                                       |                   |   |      |   |      |     |     | 80               | 0     |

| 55° with 6LBCSSQ and 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION   |  | CONE OF LIGHT   |      |      |      | CANDELA TABLE    |       |
|---------------------------------------|-------------------|--|--|---|------|------|------|------------------|-------|
| Test Number                           | P736041           | Downlight  |  |  |      |      |      | Degrees Vertical | 0-deg |
| Housing                               | LD6D15D010        |  |  | D   | FC   | L    | W    | 0                | 1673  |
| Module                                | EU6DR550215IC9035 |  |  | 6'  | 46.5 | 5.2  | 5.2  | 5                | 1600  |
| Trim                                  | 6LBCSSQMW         |  |  | 8'  | 26.1 | 7    | 7    | 15               | 1502  |
| Lumens                                | 1492              |  |  | 10'   | 16.7 | 8.8  | 8.8  | 25               | 1044  |
| Efficacy                              | 94.4 Lm/W         |  |  | 12'   | 11.6 | 10.6 | 10.6 | 35               | 517   |
| SC                                    | 0.89              |  |  | 15'   | 7.4  | 13.2 | 13.2 | 45               | 130   |
| UGR                                   | 12                |  |  |   |      |      |      | 55               | 15    |
|                                       |                   |  |  |   |      |      |      | 65               | 1     |
|                                       |                   |  |  |   |      |      |      | 75               | 0     |
|                                       |                   |  |  |   |      |      |      | 80               | 0     |

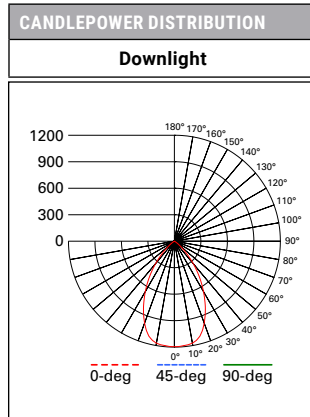
| 60° with 6LBCSSQ reflector |                   | CANDLEPOWER DISTRIBUTION |  | CONE OF LIGHT   |   |      |                  | CANDELA TABLE |     |      |
|----------------------------|-------------------|--------------------------|--|---|---|------|------------------|---------------|-----|------|
| Test Number                | P736043           | Downlight                |  |  |  |      | Degrees Vertical | 0-deg         |     |      |
| Housing                    | LD6D15D010        |                          |  |   | D   | FC   | L                | W             | 0   | 1452 |
| Module                     | EU6DR600215IC9035 |                          |  |   | 6'  | 40.3 | 5.8              | 5.8           | 5   | 1442 |
| Trim                       | 6LBCSSQMW         |                          |  |   | 8'  | 22.7 | 7.8              | 7.8           | 15  | 1447 |
| Lumens                     | 1450              |                          |  |   | 10'   | 14.5 | 9.8              | 9.8           | 25  | 1062 |
| Efficacy                   | 91.8 Lm/W         |                          |  | 12'   | 10.1  | 11.6 | 11.6             | 35            | 517 |      |
| SC                         | 0.98              |                          |  | 15'   | 6.5   | 14.6 | 14.6             | 45            | 106 |      |
| UGR                        | 12                |                          |  |   |   |      |                  | 55            | 14  |      |
|                            |                   |                          |  |   |   |      |                  | 65            | 1   |      |
|                            |                   |                          |  |   |   |      |                  | 75            | 0   |      |
|                            |                   |                          |  |   |   |      |                  | 80            | 0   |      |

| 60° with 6LBSQW reflector |                   | CANDLEPOWER DISTRIBUTION |  | CONE OF LIGHT   |      |   |      | CANDELA TABLE    |       |
|---------------------------|-------------------|--------------------------|--|---|------|---|------|------------------|-------|
| Test Number               | P736046           | Downlight                |  |  |      |  |      | Degrees Vertical | 0-deg |
| Housing                   | LD6D15D010        |                          |  |   |      | D   | FC   | L                | W     |
| Module                    | EU6DR600215IC9035 |                          |  | 6'  | 44.9 | 5.2   | 5.2  | 5                | 1611  |
| Trim                      | 6LBSQW1MW         |                          |  | 8'  | 25.3 | 7   | 7    | 15               | 1506  |
| Lumens                    | 1329              |                          |  | 10'   | 16.2 | 8.8   | 8.8  | 25               | 1008  |
| Efficacy                  | 84.1 Lm/W         |                          |  | 12'   | 11.2 | 10.6  | 10.6 | 35               | 309   |
| SC                        | 0.91              |                          |  | 15'   | 7.2  | 13.4  | 13.4 | 45               | 42    |
| UGR                       | 13                |                          |  |   |      |   |      | 55               | 36    |
|                           |                   |                          |  |   |      |   |      | 65               | 28    |
|                           |                   |                          |  |   |      |   |      | 75               | 18    |
|                           |                   |                          |  |   |      |   |      | 80               | 11    |

## Photometric Data



| 65° with 6LBCSSQ reflector |                   |
|----------------------------|-------------------|
| Test Number                | P736047           |
| Housing                    | LD6D15D010        |
| Module                     | EU6DR650215IC9035 |
| Trim                       | 6LBCSSQMW         |
| Lumens                     | 1322              |
| Efficacy                   | 83.6 Lm/W         |
| SC                         | 0.95              |
| UGR                        | 14                |



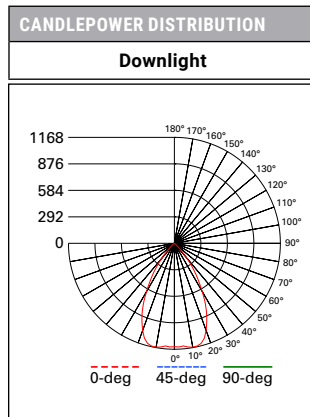
**CONE OF LIGHT**

| D   | FC   | L    | W    |
|-----|------|------|------|
| 6'  | 33.3 | 5.6  | 5.6  |
| 8'  | 18.7 | 7.6  | 7.6  |
| 10' | 12   | 9.4  | 9.4  |
| 12' | 8.3  | 11.4 | 11.4 |
| 15' | 5.3  | 14.2 | 14.2 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 1200  |
| 5                | 1192  |
| 15               | 1120  |
| 25               | 833   |
| 35               | 496   |
| 45               | 195   |
| 55               | 44    |
| 65               | 9     |
| 75               | 3     |
| 80               | 1     |

| 65° with 6LBSQW reflector |                   |
|---------------------------|-------------------|
| Test Number               | P736050           |
| Housing                   | LD6D15D010        |
| Module                    | EU6DR650215IC9035 |
| Trim                      | 6LBSQW1MW         |
| Lumens                    | 1162              |
| Efficacy                  | 73.6 Lm/W         |
| SC                        | 0.98              |
| UGR                       | 14                |



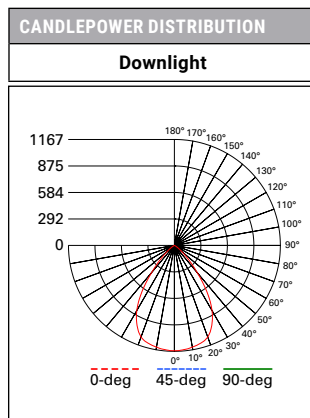
**CONE OF LIGHT**

| D   | FC   | L    | W    |
|-----|------|------|------|
| 6'  | 31.8 | 5.8  | 5.8  |
| 8'  | 17.9 | 7.8  | 7.8  |
| 10' | 11.5 | 9.8  | 9.8  |
| 12' | 8    | 11.8 | 11.8 |
| 15' | 5.1  | 14.6 | 14.6 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 1144  |
| 5                | 1141  |
| 15               | 1147  |
| 25               | 844   |
| 35               | 413   |
| 45               | 85    |
| 55               | 14    |
| 65               | 3     |
| 75               | 2     |
| 80               | 1     |

| 70° with 6LBCSSQ reflector |                   |
|----------------------------|-------------------|
| Test Number                | P736051           |
| Housing                    | LD6D15D010        |
| Module                     | EU6DR700215IC9035 |
| Trim                       | 6LBCSSQMW         |
| Lumens                     | 1478              |
| Efficacy                   | 93.6 Lm/W         |
| SC                         | 1.1               |
| UGR                        | 14                |



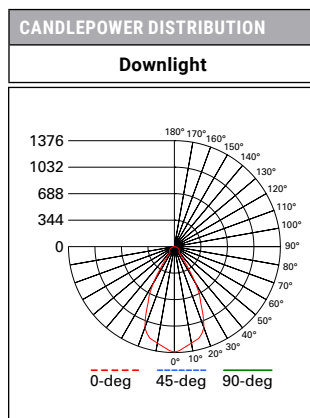
**CONE OF LIGHT**

| D   | FC   | L    | W    |
|-----|------|------|------|
| 6'  | 32.4 | 6.6  | 6.6  |
| 8'  | 18.2 | 8.8  | 8.8  |
| 10' | 11.7 | 11   | 11   |
| 12' | 8.1  | 13.2 | 13.2 |
| 15' | 5.2  | 16.4 | 16.4 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 1167  |
| 5                | 1159  |
| 15               | 1121  |
| 25               | 979   |
| 35               | 629   |
| 45               | 216   |
| 55               | 48    |
| 65               | 0     |
| 75               | 0     |
| 80               | 0     |

| 70° with 6LBSQW reflector |                   |
|---------------------------|-------------------|
| Test Number               | P736054           |
| Housing                   | LD6D15D010        |
| Module                    | EU6DR700215IC9035 |
| Trim                      | 6LBSQW1MW         |
| Lumens                    | 1224              |
| Efficacy                  | 77.5 Lm/W         |
| SC                        | 0.88              |
| UGR                       | 17                |



**CONE OF LIGHT**

| D   | FC   | L    | W    |
|-----|------|------|------|
| 6'  | 38.2 | 5.2  | 5.2  |
| 8'  | 21.5 | 7    | 7    |
| 10' | 13.8 | 8.8  | 8.8  |
| 12' | 9.6  | 10.4 | 10.4 |
| 15' | 6.1  | 13.2 | 13.2 |

**CANDELA TABLE**

| Degrees Vertical | 0-deg |
|------------------|-------|
| 0                | 1376  |
| 5                | 1330  |
| 15               | 1238  |
| 25               | 815   |
| 35               | 184   |
| 45               | 89    |
| 55               | 76    |
| 65               | 55    |
| 75               | 30    |
| 80               | 18    |

## Photometric Data

### Photometric Multipliers (Nominal Lumen Values)

| 250 Lumen  | 500 Lumen  | 800 Lumen  | 1000 Lumen | 1500 Lumen | 2000 Lumen | 2500 Lumen | 3000 Lumen | 3500 Lumen | 4000 Lumen | 4500 Lumen |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.26       | 0.47       | 0.56       | 0.74       | 1.00       | 1.37       | 1.77       | 1.99       | 1.31       | 1.54       | 1.68       |
| 5000 Lumen | 5500 Lumen | 6000 Lumen | 6500 Lumen | 7000 Lumen | 7500 Lumen | 8000 Lumen | 8500 Lumen | 9000 Lumen | 9500 Lumen |            |
| 1.98       | 2.23       | 2.46       | 2.72       | 2.77       | 2.93       | 3.11       | 3.31       | 3.51       | 3.60       |            |

Multipliers for relative lumen values with other series models.

### CCT Multipliers – 90CRI

| 2400K | 2700K | 3000K | 3500K | 4000K | 5000K |
|-------|-------|-------|-------|-------|-------|
| 0.81  | 0.92  | 0.92  | 0.96  | 1     | 1.01  |

Multipliers for relative lumen values with other series color temperatures.

### CCT Multipliers – 97CRI

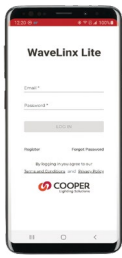
| 2700K | 3000K | 3500K | 4000K | 5000K |
|-------|-------|-------|-------|-------|
| 0.88  | 0.95  | 1     | 1.016 | 1.07  |

Multipliers for relative lumen values with other series color temperatures.

## Asymmetric Film Distribution

| TIR | Short Axis Beam angle | Long Axis Beam angle |
|-----|-----------------------|----------------------|
| R10 | 12°                   | 27.4°                |
| R15 | 15°                   | 28°                  |
| R20 | 21°                   | 32°                  |
| R30 | 32°                   | 37°                  |
| R35 | 32°                   | 40°                  |
| R40 | 28°                   | 37°                  |
| R45 | 41°                   | 45°                  |
| R50 | 42°                   | 46°                  |

## Connected Systems



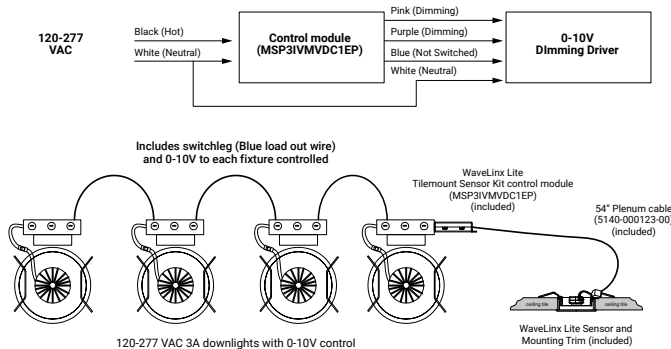
## WaveLinX LITE - WLST Tilemount Sensor

WaveLinX LITE devices only compatible with the WaveLinX LITE system.

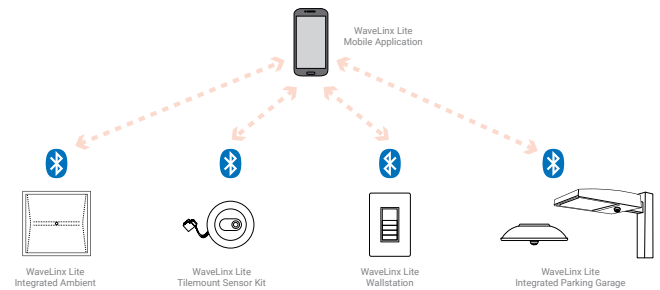
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic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



## WaveLinX LITE WLST Tilemount Wiring Diagram



## WaveLinX LITE Bluetooth Enabled System

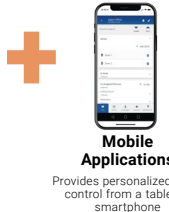
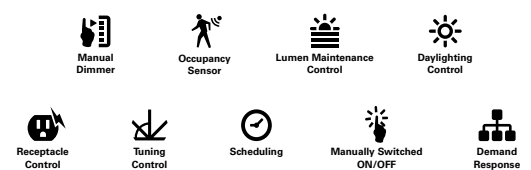


## WaveLinX PRO Wireless – WPST Tilemount Sensor

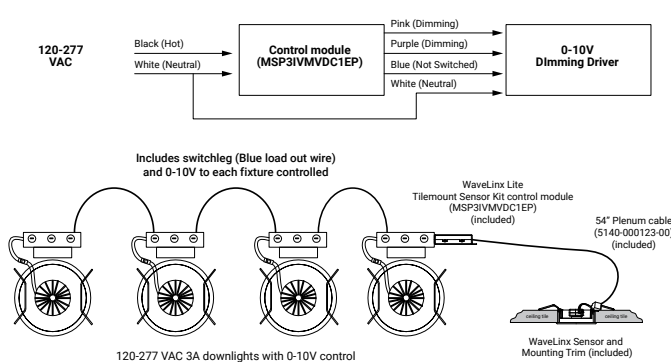
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

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

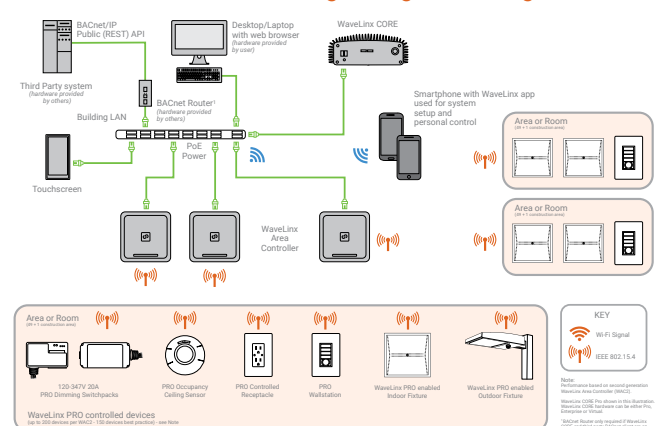
## WaveLinX mobile app settings



## WaveLinX PRO WPST Tilemount Wiring Diagram



## WaveLinX CORE Building Management Integration



## Connected Solutions



### WaveLinX LITE Wireless Node - WLN

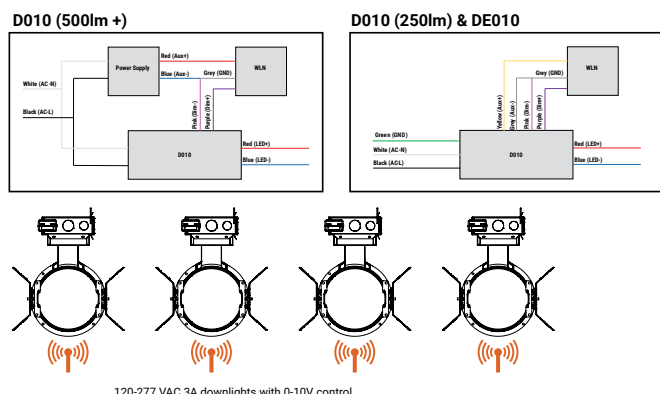
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Refer to the WaveLinX system specifications for details
- Not available with BioUp or Tunable White

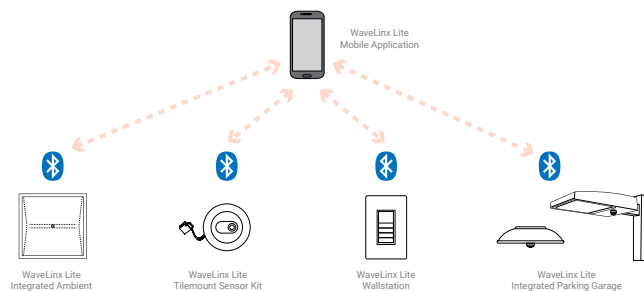
WaveLinX mobile app settings



### WaveLinX LITE Wireless Node (WLN) Wiring Diagram



### WaveLinX LITE Bluetooth Enabled System

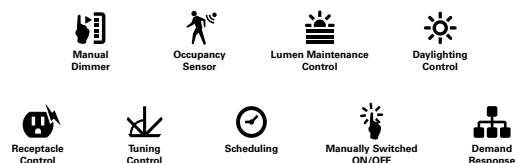


### WaveLinX PRO Wireless Node - WPN

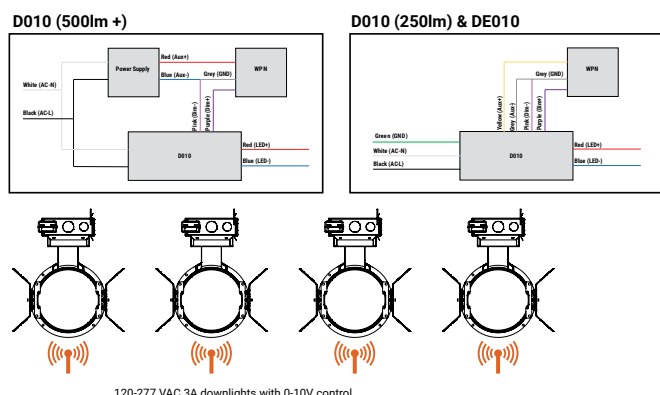
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

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

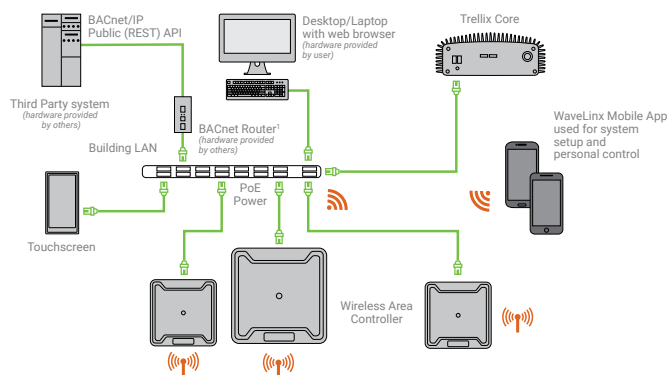
WaveLinX mobile app settings



### WaveLinX PRO Wireless Node (WPN) Wiring Diagram



### WaveLinX CORE Building Management Integration



## Multi-line Order Information

SAMPLE ORDER NUMBER: **LDSQ6D10D010TRIEM14** (All components may ship separately)

Invoice will indicate separate fixture components (housing, trim, module) and may ship from multiple CLS facilities in separate cartons.

Single line Ordering  
Information Option

| Domestic Preferences <sup>(1)</sup>  | Housing  | Lumens <sup>(2)</sup>  |  |  |
|--|--|--|--|--|
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act | <b>LDSQ6D</b> =LED Square Downlight 6" Nominal Aperture<br><b>LDSQ6DCP</b> =LED Square Downlight 6" Nominal Aperture, Chicago Plenum | <b>02</b> =250 lumens<br><b>02B</b> =250 lumens for use with 6" optic <sup>(4)</sup><br><b>05</b> =500 lumens<br><b>08</b> =800 lumens<br><b>10</b> =1000 lumens<br><b>15</b> =1500 lumens<br><b>20</b> =2000 lumens <sup>(32)</sup><br><b>25</b> =2500 lumens <sup>(32)</sup> | <b>30</b> =3000 lumens <sup>(32)</sup><br><b>35B</b> =3500 lumens <sup>(32)</sup><br><b>40B</b> =4000 lumens <sup>(32)</sup><br><b>45B</b> =4500 lumens <sup>(32)</sup><br><b>50</b> =5000 lumens <sup>(32)</sup><br><b>55</b> =5500 lumens <sup>(3)</sup> | <b>60</b> =6000 lumens <sup>(3)</sup><br><b>65</b> =6500 lumens <sup>(3)</sup><br><b>70B</b> =7000 lumens <sup>(3)</sup><br><b>75B</b> =7500 lumens <sup>(3)</sup><br><b>80B</b> =8000 lumens <sup>(3)</sup><br><b>85B</b> =8500 lumens <sup>(3)</sup><br><b>90B</b> =9000 lumens <sup>(3)</sup><br><b>95B</b> =9500 lumens <sup>(3)</sup> |

| Voltage  | Driver   | Driver Options  |
|--|--|---|
| <b>Blank</b> =120-277V<br><b>3</b> =347V (D010 driver 800-4500) 250, 500, 5000 and above and all other drivers use step down transformer | <b>D010</b> =0-10V, 1-100% (500-9500 lumens)<br><b>D010TR</b> =0-10V or (120V) phase cut dimming 1-100% (250-5000 lumens)<br><b>DE010</b> =0-10V linear dimming, 0.1-100% (250 lumen <b>[02B]</b> only, 800-6500 lumens)<br><b>D5LT</b> =DALI T6 Logarithmic Dimming, 0.1-100% (250 lumen <b>[02B]</b> only, 800-6500 lumens)<br><b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1-100% (1000-5000 lumens) <sup>(5)</sup><br><b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1-100% with RJ45 connection (1000-5000 lumens) <sup>(5)</sup><br><b>DLE</b> =Lutron Ecosystem dimming 1-100% (1000-3500 lumens)<br><b>DLVP</b> = Low voltage dimming 1-100% for use with DLVP system, 1000-3000 lumens <sup>(6)</sup> | <b>PD</b> = Plug in Driver<br><b>R</b> = Remote driver (order remote driver separately) (not available with CP) |

| Options <sup>(6)</sup> <sup>(29)</sup> <sup>(30)</sup> <sup>(32)</sup>  |  |
|---|--|
| <b>EMBOD</b> =Bodine® 7W Emergency Module with Remote Test Switch <sup>(10)</sup><br><b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Remote Test Switch<br><b>EM7</b> =7W Emergency Module with Remote Test Switch<br><b>EM14</b> =14W Emergency Module with Remote Test Switch<br><b>EM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch<br><b>EMBOD7ST</b> =Bodine® 7W Self Test Emergency Module <sup>(10)</sup><br><b>IEMBOD</b> =Bodine® 7W Emergency Module with Integral Test Switch <sup>(10)</sup> <sup>(22)</sup><br><b>IEM7</b> =7W Emergency Module with Integral Test Switch <sup>(22)</sup><br><b>IEM14</b> =14W Emergency Module with Integral Test Switch <sup>(22)</sup> | <b>IEM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch <sup>(22)</sup><br><b>IEMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Integral Test Switch<br><b>EMV7</b> =7W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup><br><b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup><br><b>ETRD</b> =Emergency transfer device <sup>(31)</sup><br><b>WPST</b> =Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) <sup>(11)</sup> <sup>(13)</sup><br><b>WLST</b> =Factory installed WaveLinX LITE Sensor Kit <sup>(11)</sup> <sup>(12)</sup><br><b>WPN</b> = WaveLinX PRO Wireless Node without sensor <sup>(23)</sup><br><b>WLN</b> = WaveLinX LITE Wireless Node without sensor <sup>(35)</sup> |

SAMPLE ORDER NUMBER: **EU6DR100210IC9727**

| Domestic Preferences <sup>(1)</sup>  | Power Module                             | Optics   | Lumen Levels <sup>(2)</sup>   | CRI  | Color  | Media   |
|--|--|--|---|--|--|---|
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act | <b>EU6D</b> =6-inch Universal LED Module | <b>X</b> =No optic order separately <sup>(36)</sup><br><br><b>R06</b> =6° limited to 250 lumens<br><b>R08</b> =8° limited to 1000 lumens<br><b>R10</b> =10° limited to 2000 lumens<br><b>R15</b> =15° limited to 3000 lumens<br><b>R20</b> =20° limited to 3000 lumens<br><b>R25</b> =25°<br><b>R30</b> =30°<br><b>R35</b> =35°<br><b>R40</b> =40°<br><b>R45</b> =45°<br><b>R50</b> =50°<br><b>R55</b> =55°<br><b>R60</b> =60°<br><b>R65</b> =65°<br><b>R70</b> =70° | <b>For use with 6° Optic</b><br><b>02</b> =250 Lumens<br><br><b>For use with 8° Optic</b><br><b>0210</b> =250, 500, 800, 1000 Lumens<br><br><b>For use with 10° Optic</b><br><b>0210IC</b> =250, 500, 800, 1000 Lumens IC<br><b>1520</b> = 1500, 2000 Lumens<br><br><b>For use with 15° and 20° optic</b><br><b>0210IC</b> =250, 500, 800, 1000 lumens IC<br><b>1530</b> =1500, 2000, 2500, 3000 Lumens<br><br><b>For use with 25° to 70° optic</b><br><b>0215IC</b> =250, 500, 800, 1000, 1500 Lumens IC<br><b>2050</b> =2000, 2500, 3000, 3500, 4000, 4500, 5000 Lumens<br><b>5565</b> =5500, 6000, 6500 Lumens <sup>(3)</sup><br><b>7095</b> =7000, 7500, 8000, 8500, 9000, 9500 Lumens <sup>(9)</sup> | <b>90</b> =90 CRI Minimum<br><b>97</b> =97 CRI Minimum | <b>90 CRI</b><br><b>24</b> =2400K<br><b>27</b> =2700K<br><b>30</b> =3000K<br><b>35</b> =3500K<br><b>40</b> =4000K<br><b>50</b> =5000K<br><br><b>97 CRI</b><br><b>27</b> =2700K<br><b>30</b> =3000K | <b>Blank</b> =No Media Holder<br><b>2M</b> =Media Holder included for 1 - 2 media |

SAMPLE ORDER NUMBER: **6LBSQW2H**

| Trim               | Reflector  | Flange   | Finish  | Options  |
|--------------------|--|--|---|--|
| <b>6LB</b> =6" LED | <b>SQW</b> =Square Wide Anodized Aluminum<br><b>CSSQ</b> =Cast Shallow Square, Die Cast Aluminum | <b>0</b> =White polymer trim ring <sup>(34)</sup><br><b>1</b> =Self flanged <sup>(18)</sup><br><b>2</b> =White painted self flanged<br><b>4</b> =Knife edge rimless use with die cast only <sup>(19)</sup> | <b>LI</b> =Specular Clear <sup>(20)</sup><br><b>H</b> =Semi-Specular Clear <sup>(20)</sup><br><b>WMH</b> =Warm Haze <sup>(20)</sup><br><b>WH</b> =Wheat <sup>(20)</sup><br><b>GPH</b> =Graphite Haze <sup>(20)</sup><br><b>B</b> =Specular Black <sup>(20)</sup><br><b>MW</b> =Matte White (Antimicrobial) <sup>(20)</sup><br><b>MB</b> =Matte Black <sup>(21)</sup><br><b>MMS</b> =Matte Metallic Silver <sup>(21)</sup> | <b>E</b> =Integral Emergency Test Switch Hole, for use with IEM7, IEM14, IEMBOD <sup>(22)</sup><br><b>EM6</b> =Integral Emergency Test Switch Hole, for use with IEMBOD6ST <sup>(22)</sup> |

Continued on next page.

Multi-line Order Information

REQUIRED if Remote Driver (R) is specified

SAMPLE ORDER NUMBER: RD10010D010TREM7

| Domestic Preferences <sup>(1)</sup>  | Remote Drivers <sup>(6)</sup>  | Lumens <sup>(2)</sup>  |  |  |
|--|--|--|--|--|
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act | <b>RD100</b> =Remote 100ft <sup>(83)</sup><br><b>RD75</b> =Remote 75ft <sup>(83)</sup><br><b>RD50</b> =Remote 50ft <sup>(83)</sup><br><b>RD25</b> =Remote 25ft<br><b>RD15</b> =Remote 15ft<br><b>RD5</b> =Remote 5ft<br><b>RD2</b> =Remote 2ft | <b>02</b> =250 lumens<br><b>02B</b> =250 lumens for use with 6° optic <sup>(4)</sup><br><b>05</b> =500 lumens<br><b>08</b> =800 lumens<br><b>10</b> =1000 lumens<br><b>15</b> =1500 lumens<br><b>20</b> =2000 lumens <sup>(22)</sup> | <b>25</b> =2500 lumens (20° beams and above) <sup>(32)</sup><br><b>30</b> =3000 lumens (20° beams and above) <sup>(32)</sup><br><b>35B</b> =3500 lumens (25° beams and above) <sup>(32)</sup><br><b>40B</b> =4000 lumens (25° beams and above) <sup>(32)</sup><br><b>45B</b> =4500 lumens (25° beams and above) <sup>(32)</sup><br><b>50</b> =5000 lumens (25° beams and above) <sup>(22)</sup><br><b>55</b> =5500 lumens (25° beams and above) <sup>(3)</sup> | <b>60</b> =6000 lumens (25° beams and above) <sup>(3)</sup><br><b>65</b> =6500 lumens (25° beams and above) <sup>(3)</sup><br><b>70B</b> =7000 lumens (25° beams and above) <sup>(3)</sup><br><b>75B</b> =7500 lumens (25° beams and above) <sup>(3)</sup><br><b>80B</b> =8000 lumens (25° beams and above) <sup>(3)</sup><br><b>85B</b> =8500 lumens (25° beams and above) <sup>(3)</sup><br><b>90B</b> =9000 lumens (25° beams and above) <sup>(3)</sup><br><b>95B</b> =9500 lumens (25° beams and above) <sup>(3)</sup> |

| Voltage  | Driver   |
|--|--|
| <b>Blank</b> =120-277V For 1500 lumens and below<br><b>1</b> =120V 2000 lumens and above<br><b>2</b> =277V 2000 lumens and above<br><b>3</b> =347V (D010 driver 800-1500) 2000 to 7000 lumens use step down transformer. | <b>D010</b> = 0-10V, 1-100% (500-9500 lumens)<br><b>D010TR</b> =0-10V or (120V) phase cut dimming 1-100% (250-5000 lumens)<br><b>DE010</b> = 0-10V linear dimming, 0.1-100% (250 lumen <b>02B</b> only), 800-6500 lumens)<br><b>D5LT</b> =DALI T6 Logarithmic Dimming, 0.1-100% (250 lumen <b>02B</b> only), 800-6500 lumens)<br><b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1-100% (1000-5000 lumens) <sup>(5)</sup><br><b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1-100% with RJ45 connection (1000-5000 lumens) <sup>(5)</sup><br><b>DLE</b> =Lutron Ecosystem dimming 1-100% (1000-3500 lumens)<br><b>DLVP</b> = Low voltage dimming 1-100% for use with DLVP system, 1000-3000 lumens <sup>(6)</sup> |

| Options <sup>(4) (29) (30) (32)</sup>   | Controls <sup>(4) (29) (30) (32)</sup>   |
|---|--|
| <b>EMBOD</b> =Bodine® Emergency Module with Remote Test Switch <sup>(10)</sup><br><b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Remote Test Switch<br><b>EM7</b> =7W Emergency Module with Remote Test Switch<br><b>EM14</b> =14W Emergency Module with Remote Test Switch<br><b>EMBOD7ST</b> =Bodine® Self Test Emergency Module with Remote Test Switch <sup>(10)</sup> | <b>ETRD</b> =Emergency transfer device <sup>(31)</sup><br><b>EMV7</b> =7W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup><br><b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup><br><b>WPST</b> =Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) <sup>(11) (13)</sup><br><b>WLST</b> =Factory installed WaveLinX LITE Sensor Kit <sup>(11) (12)</sup><br><b>WPN</b> = WaveLinX PRO Wireless Node without sensor <sup>(23)</sup><br><b>WLN</b> = WaveLinX LITE Wireless Node without sensor <sup>(35)</sup> |

| Accessories (Order separately) <sup>(25)</sup>   |  |  |  |  |  |
|--|--|--|--|--|--|
| <b>PRSQ6</b> =Rimless Plaster Ring <sup>(26)</sup><br><b>RKPSQ6</b> =Knife Edge plaster Ring <sup>(27)</sup><br><br><b>RPMSQ6MW</b> =Rimless Millwork Ring, Matte White <sup>(2)</sup><br><b>RPMSQ6MB</b> =Rimless Millwork Ring, Matte Black <sup>(2)</sup><br><b>RKMSQ6MW</b> =Knife Edge Millwork Ring, Matte White <sup>(27)</sup><br><b>RKMSQ6MB</b> =Knife Edge Millwork Ring, Matte Black <sup>(27)</sup> | <b>Connected Lighting Systems</b> <sup>(4) (11) (29) (30) (32)</sup><br><b>WPST</b> = Field installed WaveLinX sensor Kit <sup>(13)</sup><br><b>WLST</b> = Field installed WaveLinX LITE Sensor Kit <sup>(12)</sup><br><br><b>Transformers</b><br><b>H347</b> =H347 for 7000 lumens and below<br><br><b>Bar Hangers</b><br><b>HB26</b> =C-channel Bar Hanger, 26" Long, Pair<br><b>HB50</b> =C-channel Bar Hanger, 50" Long, Pair<br><b>RMB22</b> =Wood Joist Bar Hanger, 22" Long, Pair | <b>Optics</b><br><b>46R25</b> =25°<br><b>46R30</b> = 30°<br><b>46R35</b> = 35°<br><b>46R40</b> = 40°<br><b>46R45</b> = 45°<br><b>46R50</b> = 50°<br><b>46R55</b> = 55°<br><b>46R60</b> = 60°<br><b>46R65</b> = 65°<br><b>46R70</b> = 70° | <b>Color Filters</b> <sup>(37)</sup><br><b>F22-20</b> =Red<br><b>F33-20</b> =Blue<br><b>F44-20</b> =Green<br><b>F55-20</b> =Yellow<br><b>F66-20</b> =Mercury | <b>Dichronic Filters</b> <sup>(37)</sup><br><b>F71-20</b> =Peach<br><b>F72-20</b> =Amber<br><b>F73-20</b> =Green<br><b>F74-20</b> =Medium Blue<br><b>F75-20</b> =Yellow<br><b>F76-20</b> =Red<br><b>F77-20</b> =Dark Blue<br><b>F78-20</b> =Light Blue<br><b>F79-20</b> =Neutral Density<br><b>F80-20</b> =Magenta | <b>Beam-Modifying Lenses</b> <sup>(37)</sup><br><b>LSL-20</b> =Linear Spread Lens<br><b>OSL-20</b> =Overall Spread Lens<br><b>DIF-20</b> =Diffused Lens<br><br><b>Asymmetric Film</b> <sup>(37)</sup><br><b>46ASYMFILM</b> =Asymmetric Film ( <a href="#">see chart for distribution</a> )<br><br><b>Louvers</b> <sup>(37)</sup><br><b>LVR-20</b> =Hex Cell Louver |

Notes:

1. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analysed under domestic preference requirements.
2. Nominal Lumens will vary depending on selected CRI and CCT.
3. Product is marked spacing. [Reference table on page 4 for the spacing details.](#)
4. For use with DE010 and D5LT drivers
5. DMX fixtures default to full on upon loss of DMX signal.
6. Not available with Chicago Plenum.
7. ULus listed only
10. Not available with 7000-9500 lumens, DLVP up to 3000 lumens.
11. Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
12. WLST = WaveLinX LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX LITE system specifications)

13. WPST = WaveLinX wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
14. IC rated up to 3000
18. Flange is the same finish as the reflector
19. Requires knife edge accessory ring
20. Spun aluminum only
21. Die cast only
22. Available with 45° cutoff (SQW) trim only. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
23. WPN = WaveLinX PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
24. Black or white paint.
25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
26. Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
27. Order die cast trim with flange type 4.
29. If using remote driver order battery and controls with the remote driver.

30. 120V-277V
31. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).
32. Non-IC
33. Not available with Lutron drivers.
34. Not available with CSSQ cast shallow square, die cast aluminum reflector.
35. WLN = WaveLinX LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
36. Offered with 25° and above distribution.
37. Requires 2M designation on light engine.