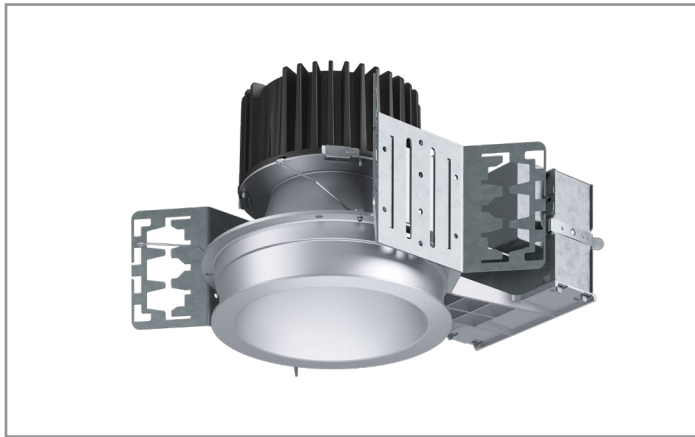


Project		Catalog #		Type	
Prepared by		Notes		Date	



## Portfolio

### LD6D | EU6D | 6LB

6" Round, 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

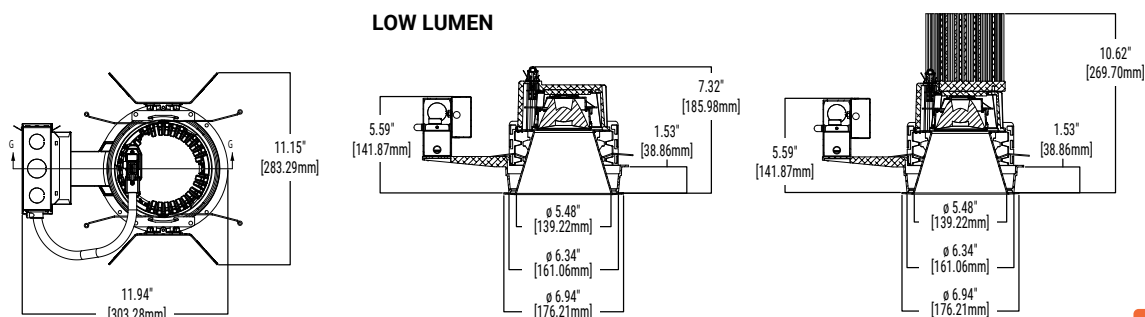
- Order Information [page 2](#)
- Product Specifications [page 4](#)
- Energy Data [page 7](#)
- Photometric Data [page 8](#)
- Connected System [page 13](#)
- Product Limited Warranty



### 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
- Standard 0-10V driver dims to 1%
- 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
- Options to meet Buy American and other domestic preference requirements

### Dimensional and Mounting Details



[CLICK HERE](#)  
dimension information

## Single Line Order Information

SAMPLE ORDER NUMBER: **LD6D10R109030D010DP1H = LD6D10D010 + EU6DR100210IC9030 + 6LBDP1H**

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>LD6D</b> =LED Downlight 6" Nominal Aperture <b>LD6DCP</b> =LED Downlight 6" Nominal Aperture, Chicago Plenum  For BAA or TAA use <a href="#">Multi-line Ordering</a>	<b>02</b> =250 lumens <b>02B</b> =250 lumens for use with 6" optic <sup>(11)</sup> <b>05</b> =500 lumens <b>08</b> =800 lumens <b>10</b> =1000 lumens <b>15</b> =1500 lumens <b>20</b> =2000 lumens <sup>(16)</sup> <b>25</b> =2500 lumens <sup>(16) (19)</sup>	<b>30</b> =3000 lumens <sup>(16) (19)</sup> <b>35B</b> =3500 lumens <sup>(16) (21)</sup> <b>40B</b> =4000 lumens <sup>(16) (21)</sup> <b>45B</b> =4500 lumens <sup>(16) (21)</sup> <b>50</b> =5000 lumens <sup>(16) (21)</sup> <b>55</b> =5500 lumens <sup>(16) (21)</sup> <b>60</b> =6000 lumens <sup>(16) (21)</sup>	<b>65</b> =6500 lumens <sup>(16) (21)</sup> <b>70B</b> =7000 lumens <sup>(16) (21)</sup> <b>75B</b> =7500 lumens <sup>(16) (21)</sup> <b>80B</b> =8000 lumens <sup>(16) (21)</sup> <b>85B</b> =8500 lumens <sup>(16) (21)</sup> <b>90B</b> =9000 lumens <sup>(16) (21)</sup> <b>95B</b> =9500 lumens <sup>(16) (21)</sup>	<b>X</b> =No optic order separately <sup>(21)</sup>  <b>R06</b> =6" limited to 250 lumens <b>R08</b> =8" limited to 1000 lumens <b>R10</b> =10" limited to 2000 lumens <b>R15</b> =15" limited to 3000 lumens <b>R20</b> =20" limited to 3000 lumens <b>R25</b> =25" <b>R30</b> =30"	<b>R35</b> =35" <b>R40</b> =40" <b>R45</b> =45" <b>R50</b> =50" <b>R55</b> =55" <b>R60</b> =60" <b>R65</b> =65" <b>R70</b> =70"	<b>90</b> =90 CRI Min. <b>97</b> =97 CRI Min.	<b>90 CRI</b> <b>24</b> =2400K <b>27</b> =2700K <b>30</b> =3000K <b>35</b> =3500K <b>40</b> =4000K <b>50</b> =5000K	<b>97 CRI</b> <b>27</b> =2700K <b>30</b> =3000K	<b>Blank</b> =Engine accepts optic only (preferred if media will not be used) <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 <b>1</b> =120V Only required when using remote driver 2000 lumens and above <b>2</b> =277V Only required when using remote driver 2000 lumens and above <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) <b>D010TR</b> =0-10V or (120V) phase cut dimming 1-100% (250-5000 lumens) <b>DE010</b> =0-10V linear dimming, 0.1-100% (250 lumen [02B only], 800-6500 lumens) <b>DSL</b> =DALI T6 Logarithmic Dimming, 0.1-100% (250 lumen [02B only], 800-6500 lumens) <b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1-100% (1000-5000 lumens) <sup>(14)</sup> <b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1-100% with RJ45 connection (1000-5000 lumens) <sup>(14)</sup> <b>DLE</b> =Lutron Ecosystem dimming 1-100% (1000-3500 lumens) <b>DLVP</b> =Low voltage dimming 1-100% for use with DLVP system, 1000-3000 lumens <sup>(9)</sup>	<b>Blank</b> = Integral driver <b>RD100</b> = Remote 100ft <sup>(3) (33)</sup> <b>RD75</b> = Remote 75ft <sup>(3) (33)</sup> <b>RD50</b> = Remote 50ft <sup>(3) (33)</sup> <b>RD25</b> = Remote 25ft <sup>(3)</sup> <b>RD15</b> = Remote 15ft <sup>(3)</sup> <b>RD5</b> = Remote 5ft <sup>(3)</sup> <b>RD2</b> = Remote 2ft <sup>(3)</sup> <b>PD</b> = Plug in Driver	<b>Blank</b> = Without hanger bars <b>B26</b> = C-channel Bar Hanger, 26" Long, Pair

Trim	Trim Flange	Trim Finish	Options <sup>(3) (16) (31)</sup>	
<b>DP</b> =45° cutoff downlight <b>S</b> =Shallow trim <b>CS</b> =Cast shallow	<b>0</b> =White Polymer Trim Ring <b>1</b> =Self-flanged <sup>(13)</sup> <b>2</b> =White Painted Self-flanged <b>4</b> =Knife edge <sup>(34)</sup>	<b>LI</b> =Specular Clear <sup>(9)</sup> <b>H</b> =Semi-Specular Clear <sup>(9)</sup> <b>WMH</b> =Warm Haze <sup>(9)</sup> <b>WH</b> =Wheat <sup>(9)</sup> <b>GPH</b> =Graphite Haze <sup>(9)</sup> <b>B</b> =Specular Black <sup>(9)</sup> <b>MW</b> =Matte White (Antimicrobial) <sup>(9)</sup> <b>MB</b> =Matte Black <sup>(8)</sup> <b>MMS</b> =Matte Metallic Silver <sup>(8)</sup>	<b>EMBOD</b> =Bodine® 7W Emergency Module with Remote Test Switch <sup>(25)</sup> <b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Remote Test Switch <b>EM7</b> =7W Emergency Module with Remote Test Switch <b>EM14</b> =14W Emergency Module with Remote Test Switch <b>EM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch <b>EMBOD7ST</b> =Bodine® 7W Self Test Emergency Module <sup>(25)</sup> <b>IEMBOD</b> =Bodine® 7W Emergency Module with Integral Test Switch <sup>(6) (25)</sup> <b>IEM7</b> =7W Emergency Module with Integral Test Switch <sup>(6)</sup> <b>IEM14</b> =14W Emergency Module with Integral Test Switch <sup>(6)</sup>	<b>IEM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch <sup>(6)</sup> <b>IEMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Integral Test Switch <sup>(7)</sup> <b>EMV7</b> =7W Low Voltage Emergency Module with Remote Test Switch <sup>(4)</sup> <b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(4)</sup> <b>ETRD</b> =Emergency transfer device <sup>(32)</sup> <b>WPST</b> = Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) <sup>(15) (16)</sup> <b>WLST</b> = Factory installed WaveLinX LITE Sensor Kit <sup>(15) (17)</sup> <b>WPN</b> = WaveLinX PRO Wireless Node without sensor <sup>(20)</sup> <b>WLN</b> = WaveLinX LITE Wireless Node without sensor <sup>(35)</sup>

Accessories (Sold separately) <sup>(22)</sup>				
<b>TRM4P</b> =White metal trim ring <sup>(2)</sup> <b>DT6RF</b> =6" frosted acrylic ring <sup>(29)</sup>  <b>PRR6</b> =Rimless Plaster Ring <sup>(3)</sup>  <b>HSA6</b> =Slope Adapter for 6" Aperture Housings, Specify Slope  <b>RPM6MW</b> =Rimless Millwork Ring, Matte White <sup>(2)</sup> <b>RPM6MB</b> =Rimless Millwork Ring, Matte Black <sup>(2)</sup> <b>RKM6MW</b> =Knife Edge Millwork Ring, Matte White <sup>(5)</sup> <b>RKM6MB</b> =Knife Edge Millwork Ring, Matte Black <sup>(5)</sup>	<b>Connected Lighting Systems</b> <sup>(3) (15) (16) (31)</sup> <b>WPST</b> = Field installed WaveLinX sensor Kit <sup>(18)</sup> <b>WLST</b> = Field installed WaveLinX LITE Sensor Kit <sup>(17)</sup>  <b>Transformers</b> <b>H347</b> =H347 for 7000 lumens and below  <b>Bar Hangers</b> <b>HB50</b> =C-channel Bar Hanger, 50" Long, Pair <b>RMB22</b> =Wood Joist Bar Hanger, 22" Long, Pair	<b>Optics</b> <b>46R25</b> =25° <b>46R30</b> =30° <b>46R35</b> =35° <b>46R40</b> =40° <b>46R45</b> =45° <b>46R50</b> =50° <b>46R55</b> =55° <b>46R60</b> =60° <b>46R65</b> =65° <b>46R70</b> =70°	<b>Color Filters</b> <sup>(37)</sup> <b>F22-20</b> =Red <b>F33-20</b> =Blue <b>F44-20</b> =Green <b>F55-20</b> =Yellow <b>F66-20</b> =Mercury	<b>Dichronic Filters</b> <sup>(37)</sup> <b>F71-20</b> =Peach <b>F72-20</b> =Amber <b>F73-20</b> =Green <b>F74-20</b> =Medium Blue <b>F75-20</b> =Yellow <b>F76-20</b> =Red <b>F77-20</b> =Dark Blue <b>F78-20</b> =Light Blue <b>F79-20</b> =Neutral Density <b>F80-20</b> =Magenta  <b>Beam-Modifying Lenses</b> <sup>(37)</sup> <b>LSL-20</b> =Linear Spread Lens <b>OSL-20</b> =Overall Spread Lens <b>DIF-20</b> =Diffused Lens  <b>Asymmetric Film</b> <sup>(37)</sup> <b>46ASYMFILM</b> =Asymmetric Film (see chart for distribution)  <b>Louvers</b> <sup>(37)</sup> <b>LVR-20</b> =Hex Cell Louver

## Notes:

- Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference [Multiplier Tables](#).
- Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
- Not available with Chicago Plenum.
- ULUS listed only
- Order trim with knife edge.
- Available with 45° cutoff (DP) trim only. Required for use with all, IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
- Available with 45D cutoff (DP) trim only. Not available with LI or WH finishes. Required for use with IEMBOD6ST. 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 DSLT 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.
- Offered with 15° and above distributions.
- 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.

- Offered with 25° and above distributions.

- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- Not available with 7000-9500 lumens, DLVP up to 3000 lumens
- 120V-277V
- 120V-277V
- Used by bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)
- Not available with Lutron driver
- Available with cast shallow trims only.
- 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.

## Product Specifications

### Lower Shielding Reflector

- Spun aluminum reflector provides superior lumen output with minimal source brightness
- Spun reflectors are available in all Portfolio anodized finishes
- Upper portion of specular clear and wheat finish, 45° (DP) reflector is painted black to ensure a quiet appearance without image reflection
- Plaster lathing ring and millwork ring accessory for flush reflector transition
- Decorative frosted acrylic ring provides a light glow in the ceiling

### 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

- Die-cast aluminum 1 1/2" deep collar
- Accommodates up to 2" ceiling thickness

### 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)

### Vividtune 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

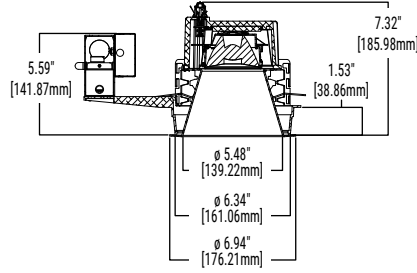
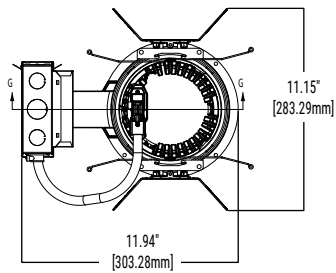
### Warranty

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

## Marked Spacing

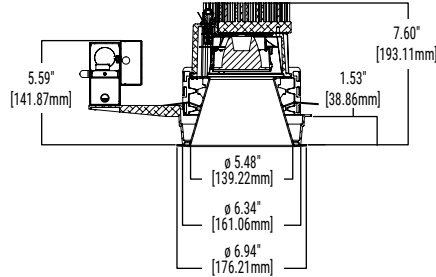
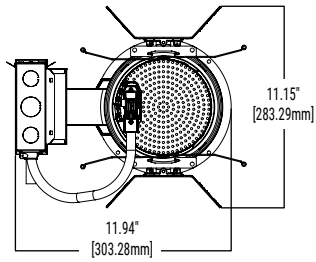
6-inch Marked spacing for 90 and 97 CRI			
Lumens	Center to Center of Adjacent Luminaire (inches)	Center Luminaire to Building Side Member (inches)	Minimum Overhead Height (inches)
5500-6500	36	18	6
7000-9500	36	18	8

## Dimensional and Mounting Details



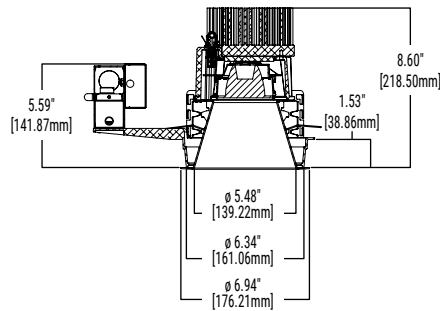
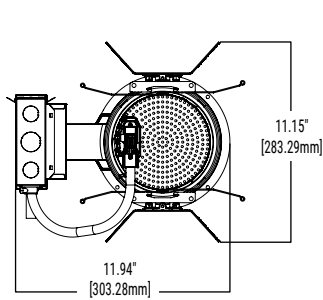
**LD6D-6LBDP**

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



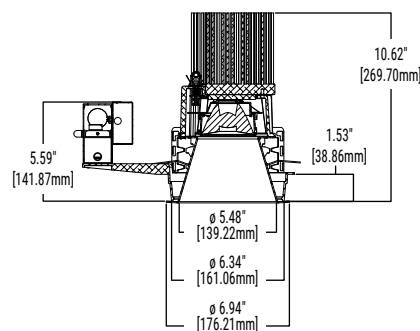
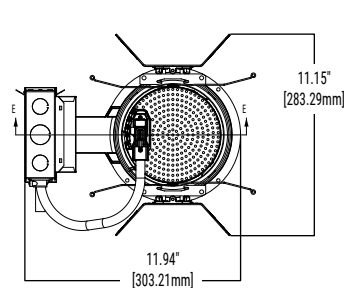
**LD6D-6LBDP**

	Min-Max Lumens	Beam Angles
<b>90/97 CRI</b>	2000-5000	25°-70°



**LD6D-6LBDP**

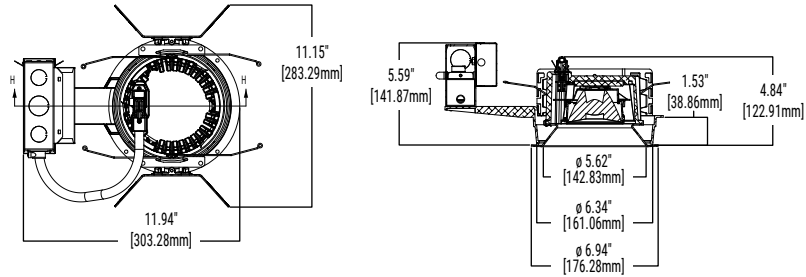
	Min-Max Lumens	Beam Angles
<b>90/97 CRI</b>	5500-6500	25°-70°



**LD6D-6LBDP**

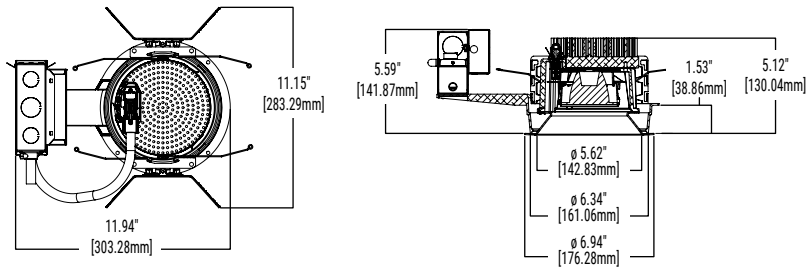
	Min-Max Lumens	Beam Angles
<b>90/97 CRI</b>	7000-9500	25°-70°

## Dimensional and Mounting Details



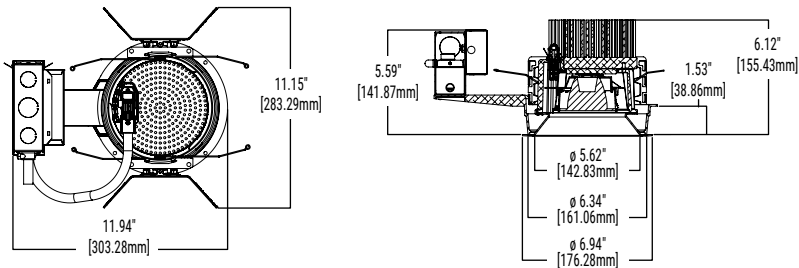
LD6D-6LBS

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



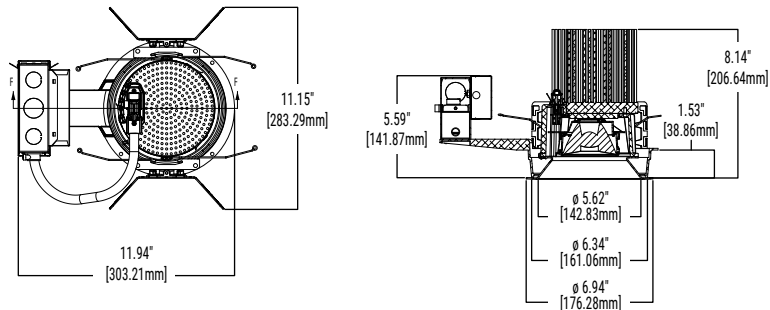
LD6D-6LBS

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



LD6D-6LBDP

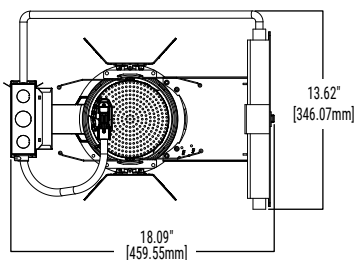
	Min-Max Lumens	Beam Angles
90/97 CRI	5500-6500	25°-70°



LD6D-6LBDP

	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)

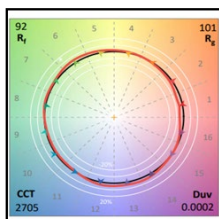
Sound Rating: Class A standards

## Notes:

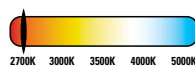
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

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

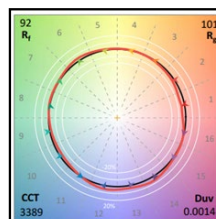
## 90 CRI Color Metric Summary - 2700K\*



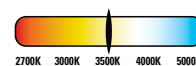
TM-30-15	Rf = 92.4
	Rg = 101.2
CRI/CIE	Ra = 93.7
	R9 = 59.1



## 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 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE			
Test Number	P736024	Downlight				Degrees Vertical	0-deg		
Housing	LD6D15D010			D	FC	L	W		
Module	EU6DR1015209035			6'	882.7	0.8	0.8		
Trim	6LBS1MW			8'	496.5	1.2	1.2		
Lumens	1459			10'	317.8	1.6	1.6		
Efficacy	92.4 Lm/W			12'	220.7	1.8	1.8		
SC	0.17			15'	141.2	2.4	2.4		
UGR	10								

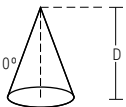
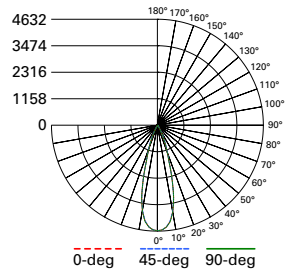
15° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736026	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	0	20287
Module	EU6DR1515309035			6'	563.5	1.2	1.2	5	13199
Trim	6LBS1MW			8'	317	1.6	1.6	15	1146
Lumens	1489			10'	202.9	2.2	2.2	25	135
Efficacy	94.2 Lm/W			12'	140.9	2.6	2.6	35	27
SC	0.22			15'	90.2	3.2	3.2	45	13
UGR	10							55	9
								65	5
								75	3
								80	2

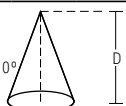
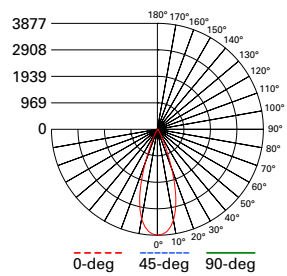
20° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736028	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	0	8892
Module	EU6DR2015309035			6'	247	2	2	5	7992
Trim	6LBS1MW			8'	138.9	2.6	2.6	15	2211
Lumens	1562			10'	88.9	3.4	3.4	25	405
Efficacy	98.9 Lm/W			12'	61.8	4	4	35	104
SC	0.34			15'	39.5	5	5	45	28
UGR	10							55	7
								65	2
								75	0
								80	0

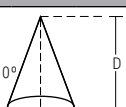
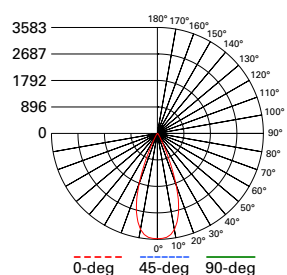
25° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
		Downlight							
Test Number	P736030			D	FC	L	W	Degrees Vertical	0-deg
Housing	LD6D15D010			6'	138.8	2.4	2.4	0	4997
Module	EU6DR250215C9035			8'	78.1	3.2	3.2	5	4636
Trim	6LBS1MW			10'	50	4.2	4.2	15	1889
Lumens	1317			12'	34.7	5	5	25	605
Efficacy	83.4 Lm/W			15'	22.2	6.2	6.2	35	95
SC	0.42							45	22
UGR	10							55	5
								65	2
								75	0
								80	0

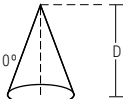
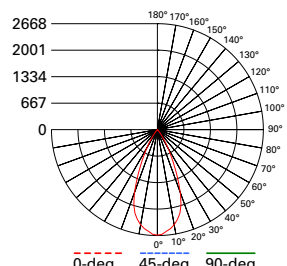
## Photometric Data



30° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736032	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	0	4632
Module	EU6DR300215IC9035			6'	128.7	3	3	5	4482
Trim	6LBS1MW			8'	72.4	4	4	15	2456
Lumens	1441			10'	46.3	5.2	5.2	25	577
Efficacy	91.2 Lm/W			12'	32.2	6.2	6.2	35	97
SC	0.52			15'	20.6	7.8	7.8	45	26
UGR	10							55	4
								65	1
								75	0
								80	0

35° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736034	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	0	3877
Module	EU6DR350215IC9035			6'	107.7	3.4	3.4	5	3772
Trim	6LBS1MW			8'	60.6	4.6	4.6	15	2558
Lumens	1409			10'	38.8	5.8	5.8	25	530
Efficacy	89.2 Lm/W			12'	26.9	7	7	35	98
SC	0.6			15'	17.2	8.8	8.8	45	34
UGR	10							55	12
								65	4
								75	0
								80	0

40° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736036	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	15	2768
Module	EU6DR400215IC9035			6'	99.5	4	4	25	738
Trim	6LBS1MW			8'	56	5.4	5.4	35	98
Lumens	1539			10'	35.8	6.6	6.6	45	21
Efficacy	97.4 Lm/W			12'	24.9	8	8	55	5
SC	0.68			15'	15.9	10	10	65	1
UGR	10							75	0
								80	0

45° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number P736038		Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	15	2192
Module	EU6DR450215IC9035			6'	74.1	4.4	4.4	25	1019
Trim	6LBS1MW			8'	41.7	5.8	5.8	35	228
Lumens	1509			10'	26.7	7.4	7.4	45	36
Efficacy	95.5 Lm/W			12'	18.5	8.8	8.8	55	7
SC	0.75			15'	11.9	11.2	11.2	65	1
UGR	10							75	0
								80	0



## Photometric Data



50° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736040	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	0	2464
Module	EU6DR500215IC9035			6'	68.4	4.6	4.6	5	2429
Trim	6LBS1MW			8'	38.5	6.2	6.2	15	2109
Lumens	1529			10'	24.6	7.8	7.8	25	1169
Efficacy	96.8 Lm/W			12'	17.1	9.4	9.4	35	228
SC	0.8			15'	11	11.8	11.8	45	34
UGR	10							55	6
								65	1
								75	0
								80	0

55° with 6LBS and 6LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736041	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010			D	FC	L	W	0	1691
Module	EU6DR550215IC9035			6'	47	5.2	5.2	5	1617
Trim	6LBCSSQMW			8'	26.4	7	7	15	1518
Lumens	1508			10'	16.9	8.8	8.8	25	1055
Efficacy	95.4 Lm/W			12'	11.7	10.6	10.6	35	522
SC	0.89			15'	7.5	13.2	13.2	45	132
UGR	12							55	15
								65	1
								75	0
								80	0

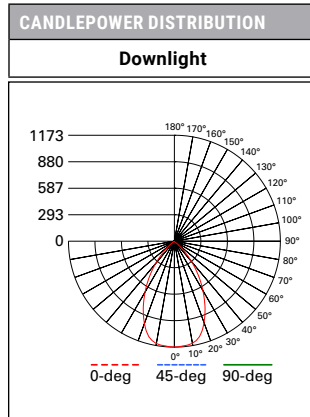
60° with 6LBS reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE		
Test Number	P736045	Downlight						Degrees Vertical	0-deg	
Housing	LD6D15D010				D	FC	L	W	0	1480
Module	EU6DR600215IC9035				6'	41.1	5.8	5.8	5	1471
Trim	6LBS1MW				8'	23.1	7.8	7.8	15	1475
Lumens	1479				10'	14.8	9.8	9.8	25	1083
Efficacy	93.6 Lm/W			12'	10.3	11.6	11.6	35	528	
SC	0.98			15'	6.6	14.6	14.6	45	108	
UGR	12							55	14	
								65	1	
								75	0	
								80	0	

60° with 6LDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736044	Downlight						Degrees Vertical	0-deg
Housing	LD6D15D010					D	FC	L	W
Module	EU6DR600215IC9035			6'	45.3	5.2	5.2	5	1623
Trim	6LBDP1MW			8'	25.5	7	7	15	1517
Lumens	1339			10'	16.3	8.8	8.8	25	1015
Efficacy	84.7 Lm/W			12'	11.3	10.6	10.6	35	311
SC	0.91			15'	7.2	13.4	13.4	45	43
UGR	13							55	36
								65	28
								75	18
								80	11

## Photometric Data



65° with 6LBS reflector	
Test Number	P736049
Housing	LD6D15D010
Module	EU6DR650215IC9035
Trim	6LBS1MW
Lumens	1292
Efficacy	81.8 Lm/W
SC	0.95
UGR	14



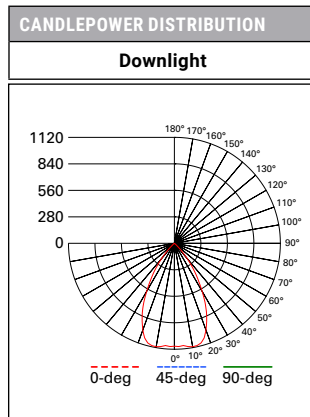
**CONE OF LIGHT**

D	FC	L	W
6'	32.6	5.6	5.6
8'	18.3	7.6	7.6
10'	11.7	9.4	9.4
12'	8.1	11.4	11.4
15'	5.2	14.2	14.2

**CANDELA TABLE**

Degrees Vertical	0-deg
0	1173
5	1166
15	1095
25	815
35	485
45	191
55	43
65	9
75	3
80	1

65° with 6LBDP reflector	
Test Number	P736048
Housing	LD6D15D010
Module	EU6DR650215IC9035
Trim	6LBDP1MW
Lumens	1115
Efficacy	70.5 Lm/W
SC	0.98
UGR	14



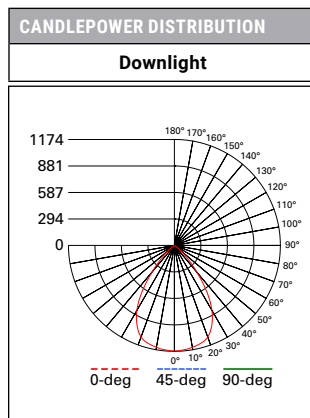
**CONE OF LIGHT**

D	FC	L	W
6'	30.5	5.8	5.8
8'	17.2	7.8	7.8
10'	11	9.8	9.8
12'	7.6	11.8	11.8
15'	4.9	14.6	14.6

**CANDELA TABLE**

Degrees Vertical	0-deg
0	1097
5	1094
15	1100
25	810
35	396
45	82
55	13
65	3
75	2
80	1

70° with 6LBS reflector	
Test Number	P736053
Housing	LD6D15D010
Module	EU6DR700215IC9035
Trim	6LBS1MW
Lumens	1488
Efficacy	94.1 Lm/W
SC	1.1
UGR	14



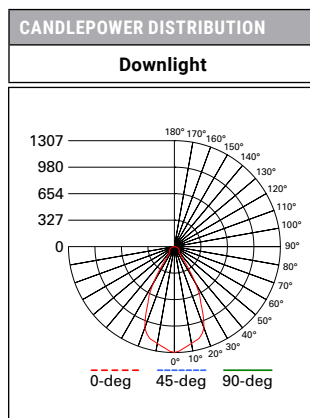
**CONE OF LIGHT**

D	FC	L	W
6'	32.6	6.6	6.6
8'	18.3	8.8	8.8
10'	11.7	11	11
12'	8.2	13.2	13.2
15'	5.2	16.4	16.4

**CANDELA TABLE**

Degrees Vertical	0-deg
0	1174
5	1167
15	1128
25	985
35	633
45	217
55	48
65	0
75	0
80	0

70° with 6LBDP reflector	
Test Number	P736052
Housing	LD6D15D010
Module	EU6DR700215IC9035
Trim	6LBDP1MW
Lumens	1162
Efficacy	73.6 Lm/W
SC	0.88
UGR	17



**CONE OF LIGHT**

D	FC	L	W
6'	36.3	5.2	5.2
8'	20.4	7	7
10'	13.1	8.8	8.8
12'	9.1	10.4	10.4
15'	5.8	13.2	13.2

**CANDELA TABLE**

Degrees Vertical	0-deg
0	1307
5	1263
15	1175
25	774
35	175
45	85
55	72
65	52
75	28
80	17

## 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

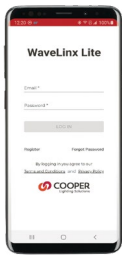
2700K	3000K	3500K	4000K	5000K
0.88	0.95	1	1.016	1.07

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



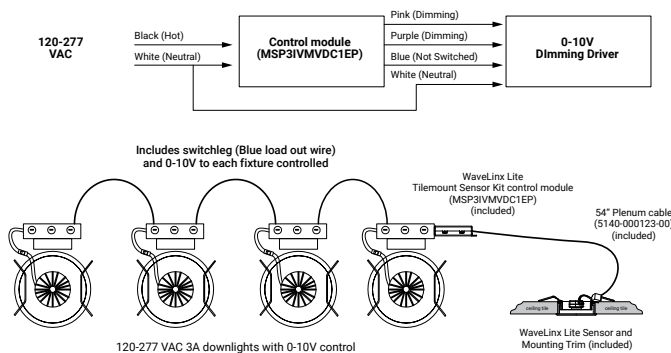
## WaveLinX LITE - WLST Tilemount Sensor

WaveLinX LITE devices only compatible with the WaveLinX LITE system.

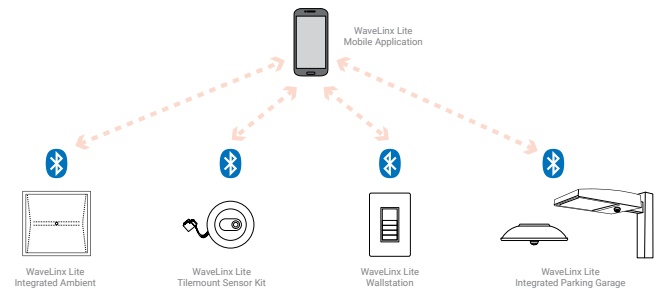
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic 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

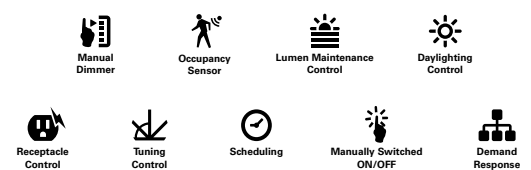


## WaveLinX PRO Wireless – WPST Tilemount Sensor

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



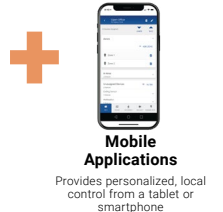
**Downlights with tilemount sensor wireless communication**  
Highly efficient LED fixtures



**WaveLinX Area Controller**  
Provides centralized coordination of multiple area control options

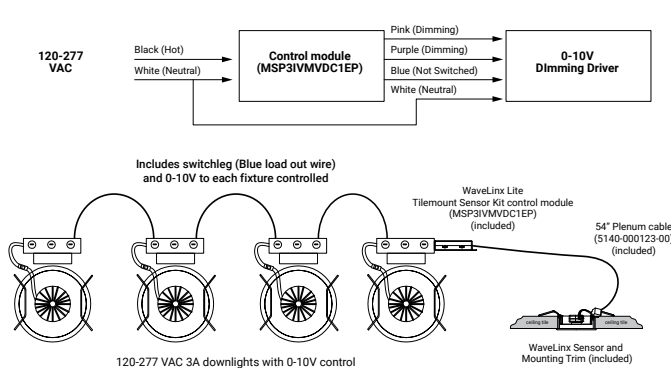


**Wireless Wall Station/Receptacle**  
Provides customized wireless control of each area

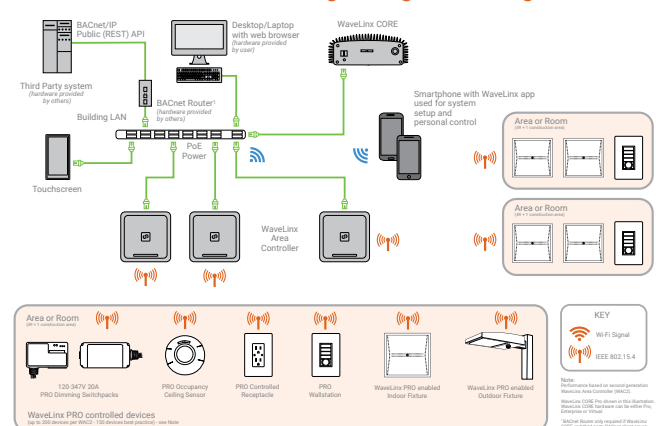


**Mobile Applications**  
Provides personalized, local control from a tablet or smartphone

## WaveLinX PRO WPST Tilemount Wiring Diagram



## WaveLinX CORE Building Management Integration



## Connected Solutions



### WaveLinX LITE Wireless Node - WLN

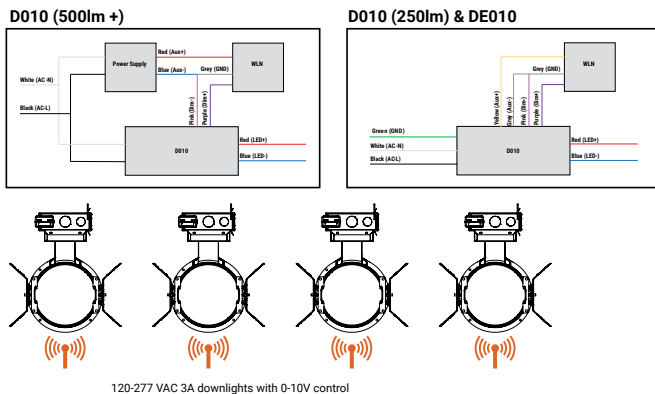
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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

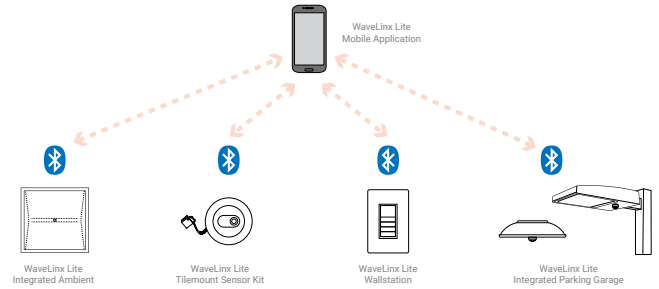
#### WaveLinX mobile app settings



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



#### WaveLinX LITE Bluetooth Enabled System



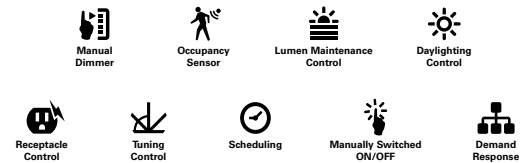
### WaveLinX PRO Wireless Node - WPN

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

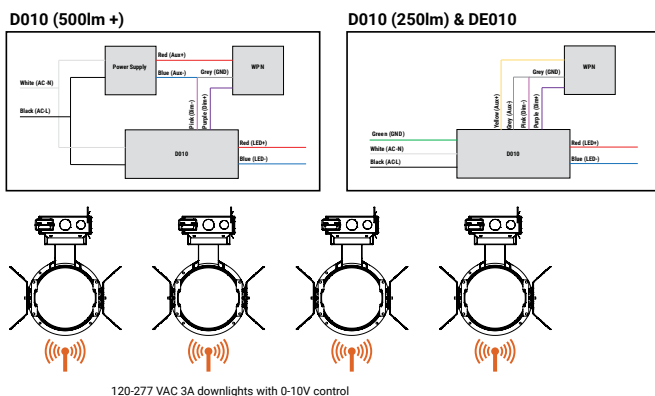
- WaveLinX Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinX Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



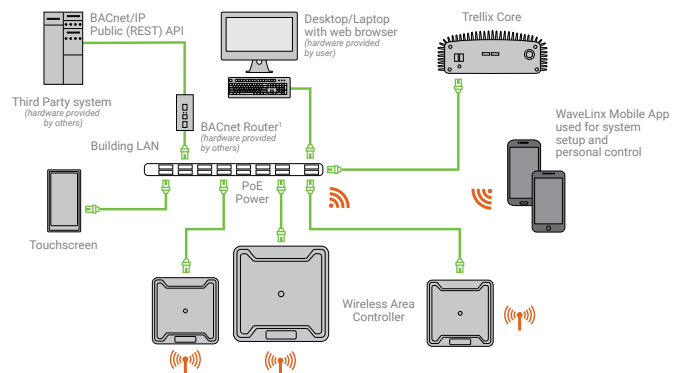
#### WaveLinX mobile app settings



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



#### WaveLinX CORE Building Management Integration



## Multi-line Order Information

SAMPLE ORDER NUMBER: **LD6D10D010TRIEM14** (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 <b>BAA</b> =Buy American Act <b>TAA</b> =Trade Agreements Act	<b>LD6D</b> =LED Downlight 6-inch Nominal Aperture <b>LD6DCP</b> =LED Downlight 6-inch Nominal Aperture, Chicago Plenum	<b>02</b> =250 lumens <b>02B</b> =250 lumens for use with 6" optic <sup>(14)</sup> <b>05</b> =500 lumens <b>08</b> =800 lumens <b>10</b> =1000 lumens <b>15</b> =1500 lumens <b>20</b> =2000 lumens <sup>(12)</sup> <b>25</b> =2500 lumens <sup>(12)</sup>	<b>30</b> =3000 lumens <sup>(32)</sup> <b>35B</b> =3500 lumens <sup>(32)</sup> <b>40B</b> =4000 lumens <sup>(32)</sup> <b>45B</b> =4500 lumens <sup>(32)</sup> <b>50</b> =5000 lumens <sup>(32)</sup> <b>55</b> =5500 lumens <sup>(3)</sup>	<b>60</b> =6000 lumens <sup>(3)</sup> <b>65</b> =6500 lumens <sup>(3)</sup> <b>70</b> =7000 lumens <sup>(3)</sup> <b>75B</b> =7500 lumens <sup>(3)</sup> <b>80B</b> =8000 lumens <sup>(3)</sup> <b>85B</b> =8500 lumens <sup>(3)</sup> <b>90B</b> =9000 lumens <sup>(3)</sup> <b>95B</b> =9500 lumens <sup>(3)</sup>

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

Options <sup>(6) (24) (30) (32)</sup>	
<b>EMBOD</b> =Bodine® Emergency Module with Remote Test Switch <sup>(10)</sup> <b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Remote Test Switch <b>EM7</b> =7W Emergency Module with Remote Test Switch <b>EM14</b> =14W Emergency Module with Remote Test Switch <b>EM14RSD</b> =14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch <b>EMBOD7ST</b> =Bodine® Self Test Emergency Module <sup>(10)</sup> <b>IEMBOD</b> =Bodine® Emergency Module with Integral Test Switch <sup>(10) (22)</sup> <b>IEM7</b> =7W Emergency Module with Integral Test Switch <sup>(22)</sup> <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> <b>IEMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Integral Test Switch <sup>(23)</sup> <b>EMV7</b> =7W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup> <b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup> <b>ETRD</b> =Emergency transfer device <sup>(11)</sup> <b>WPST</b> =Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) <sup>(11) (13)</sup> <b>WLST</b> =Factory installed WaveLinX LITE Sensor Kit <sup>(11) (12)</sup> <b>WPN</b> = WaveLinX PRO Wireless Node without sensor <sup>(34)</sup> <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 <b>BAA</b> =Buy American Act <b>TAA</b> =Trade Agreements Act	<b>EU6D</b> =6-inch Universal LED Module	<b>X</b> =No optic order separately <sup>(36)</sup>  <b>R06</b> =6" limited to 250 lumens <b>R08</b> =8" limited to 1000 lumens <b>R10</b> =10" limited to 2000 lumens <b>R15</b> =15" limited to 3000 lumens <b>R20</b> =20" limited to 3000 lumens <b>R25</b> =25" <b>R30</b> =30" <b>R35</b> =35" <b>R40</b> =40" <b>R45</b> =45" <b>R50</b> =50" <b>R55</b> =55" <b>R60</b> =60" <b>R65</b> =65" <b>R70</b> =70"	<b>For use with 6" Optic</b> <b>02</b> =250 Lumens  <b>For use with 8" Optic</b> <b>0210</b> =250, 500, 800, 1000 Lumens  <b>For use with 10" Optic</b> <b>0210IC</b> =250, 500, 800, 1000 Lumens IC <b>1520</b> = 1500, 2000 Lumens  <b>For use with 15" and 20" Optic</b> <b>0210IC</b> =250, 500, 800, 1000 lumens IC <b>1530</b> =1500, 2000, 2500, 3000 Lumens  <b>For use with 25" to 70" and X optic</b> <b>0215IC</b> =250, 500, 800, 1000, 1500 Lumens IC <b>2050</b> =2000, 2500, 3000, 3500, 4000, 4500, 5000 Lumens <b>5565</b> =5500, 6000, 6500 Lumens <sup>(3)</sup> <b>7095</b> =7000, 7500, 8000, 8500, 9000, 9500 Lumens <sup>(3)</sup>	<b>90</b> =90 CRI Minimum <b>97</b> =97 CRI Minimum	<b>90 CRI</b> <b>24</b> =2400K <b>27</b> =2700K <b>30</b> =3000K <b>35</b> =3500K <b>40</b> =4000K <b>50</b> =5000K  <b>97 CRI</b> <b>27</b> =2700K <b>30</b> =3000K	<b>Blank</b> =No Media Holder <b>2M</b> =Media Holder included for 1 - 2 media

SAMPLE ORDER NUMBER: **6LBDP1H**

Domestic Preferences <sup>(1)</sup>	Trim	Reflector	Flange	Finish	Options
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act	<b>6LB</b> =6" LED	<b>DP</b> =45° cutoff downlight <b>S</b> =Shallow trim <b>CS</b> =Cast Shallow trim	<b>0</b> =White polymer trim ring <b>1</b> =Self flanged <sup>(18)</sup> <b>2</b> =White painted self flanged <b>4</b> =Knife edge <sup>(19)</sup>	<b>LI</b> =Specular Clear <sup>(9)</sup> <b>H</b> =Semi-Specular Clear <sup>(9)</sup> <b>WMH</b> =Warm Haze <sup>(9)</sup> <b>WH</b> =Wheat <sup>(9)</sup> <b>GPH</b> =Graphite Haze <sup>(9)</sup> <b>B</b> =Specular Black <sup>(9)</sup> <b>MW</b> =Matte White (Antimicrobial) <sup>(9)</sup> <b>MB</b> =Matte Black <sup>(9)</sup> <b>MMS</b> =Matte Metallic Silver <sup>(9)</sup>	<b>E</b> =Integral Emergency Test Switch Hole, for use with IEM7, IEM14, IEMBOD <sup>(22)</sup> <b>EM6</b> =Integral Emergency Test Switch Hole, for use with IEMBOD6ST <sup>(23)</sup>

Continued on next page.

## Multi-line Order Information

REQUIRED if Remote Driver (R) is specified

SAMPLE ORDER NUMBER: RC10010D010TREM7

Domestic Preferences <sup>(1)</sup>	Remote Drivers <sup>(4)</sup>	Lumens <sup>(2)</sup>		
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act <b>TAA</b> =Trade Agreements Act	<b>Rd100</b> =Remote 100ft <sup>(33)</sup> <b>RD75</b> =Remote 75ft <sup>(33)</sup> <b>RD50</b> =Remote 50ft <sup>(33)</sup> <b>RD25</b> =Remote 25ft <b>RD15</b> =Remote 15ft <b>RD5</b> =Remote 5ft <b>RD2</b> =Remote 2ft	<b>02</b> =250 lumens <b>02B</b> =250 lumens for use with 6° optic <sup>(14)</sup> <b>05</b> =500 lumens <b>08</b> =800 lumens <b>10</b> =1000 lumens <b>15</b> =1500 lumens <b>20</b> =2000 lumens <sup>(22)</sup>	<b>25</b> =2500 lumens (15° beams and above) <sup>(32)</sup> <b>30</b> =3000 lumens (15° beams and above) <sup>(32)</sup> <b>35B</b> =3500 lumens (15° beams and above) <sup>(32)</sup> <b>40B</b> =4000 lumens (25° beams and above) <sup>(32)</sup> <b>45B</b> =4500 lumens (25° beams and above) <sup>(32)</sup> <b>50</b> =5000 lumens (25° beams and above) <sup>(32)</sup> <b>55</b> =5500 lumens (25° beams and above) <sup>(3)</sup>	<b>60</b> =6000 lumens (25° beams and above) <sup>(3)</sup> <b>65</b> =6500 lumens (25° beams and above) <sup>(3)</sup> <b>70B</b> =7000 lumens (25° beams and above) <sup>(3)</sup> <b>75B</b> =7500 lumens (25° beams and above) <sup>(3)</sup> <b>80B</b> =8000 lumens (25° beams and above) <sup>(3)</sup> <b>85B</b> =8500 lumens (25° beams and above) <sup>(3)</sup> <b>90B</b> =9000 lumens (25° beams and above) <sup>(3)</sup> <b>95B</b> =9500 lumens (25° beams and above) <sup>(3)</sup>

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

Options <sup>(4) (24) (30) (32)</sup>	Controls <sup>(4) (24) (30) (32)</sup>
<b>EMBOD</b> =Bodine® Emergency Module with Remote Test Switch <sup>(10)</sup> <b>EMBOD6ST</b> =Bodine® 6W Self Test Emergency Module with Remote Test Switch <b>EM7</b> =7W Emergency Module with Remote Test Switch <b>EM14</b> =14W Emergency Module with Remote Test Switch	<b>EMBOD7ST</b> =Bodine® Self Test Emergency Module with Remote Test Switch <sup>(10)</sup> <b>EMV7</b> =7W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup> <b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup> <b>ETRD</b> =Emergency transfer device <sup>(11)</sup>
	<b>WPST</b> =Factory installed WaveLinx (includes control module, sensor, cable, tilmount and ceiling mount sensor) <sup>(11) (13)</sup> <b>WLST</b> =Factory installed WaveLinx LITE Sensor Kit <sup>(11) (12)</sup> <b>WPN</b> = WaveLinx PRO Wireless Node without sensor <sup>(34)</sup> <b>WLN</b> = WaveLinx LITE Wireless Node without sensor <sup>(35)</sup>

Accessories (Order separately) <sup>(25)</sup>					
<b>TRM6P</b> =White metal trim ring <sup>(26)</sup> <b>DT6RF</b> =6" frosted acrylic ring <sup>(28)</sup>  <b>PRR6</b> =Rimless Plaster Ring <sup>(26)</sup> <b>RKP6</b> =Knife Edge plaster Ring <sup>(27)</sup>  <b>RPM6MW</b> =Rimless Millwork Ring, Matte White <sup>(26)</sup> <b>RPM6MB</b> =Rimless Millwork Ring, Matte Black <sup>(26)</sup> <b>RKM6MW</b> =Knife Edge Millwork Ring, Matte White <sup>(27)</sup> <b>RKM6MB</b> =Knife Edge Millwork Ring, Matte Black <sup>(27)</sup>	<b>HSA6</b> =Slope Adapter for 6" Aperture Housings, Specify Slope  <b>Connected Lighting Systems</b> <sup>(6) (11) (24) (30) (32)</sup> <b>WPST</b> = Field installed WaveLinx sensor Kit <sup>(13)</sup> <b>WLST</b> = Field installed WaveLinx LITE Sensor Kit <sup>(12)</sup>  <b>Transformers</b> <b>H347</b> =H347 for 7000 lumens and below  <b>Bar Hangers</b> <b>BAA-HB26</b> =C-channel Bar Hanger, 26" Long, Pair <sup>(1)</sup> <b>TAA-HB26</b> =C-channel Bar Hanger, 26" Long, Pair <sup>(1)</sup> <b>HB26</b> =C-channel Bar Hanger, 26" Long, Pair <b>HB50</b> =C-channel Bar Hanger, 50" Long, Pair <b>RM822</b> =Wood Joist Bar Hanger, 22" Long, Pair	<b>Optics</b> <b>46R25</b> =25° <b>46R30</b> = 30° <b>46R35</b> = 35° <b>46R40</b> = 40° <b>46R45</b> = 45° <b>46R50</b> = 50° <b>46R55</b> = 55° <b>46R60</b> = 60° <b>46R65</b> = 65° <b>46R70</b> = 70°	<b>Color Filters</b> <sup>(37)</sup> <b>F22-20</b> =Red <b>F33-20</b> =Blue <b>F44-20</b> =Green <b>F55-20</b> =Yellow <b>F66-20</b> =Mercury	<b>Dichronic Filters</b> <sup>(37)</sup> <b>F71-20</b> =Peach <b>F72-20</b> =Amber <b>F73-20</b> =Green <b>F74-20</b> =Medium Blue <b>F75-20</b> =Yellow <b>F76-20</b> =Red <b>F77-20</b> =Dark Blue <b>F78-20</b> =Light Blue <b>F79-20</b> =Neutral Density <b>F80-20</b> =Magenta	<b>Beam-Modifying Lenses</b> <sup>(37)</sup> <b>LSL-20</b> =Linear Spread Lens <b>OSL-20</b> =Overall Spread Lens <b>DIF-20</b> =Diffused Lens  <b>Asymmetric Film</b> <sup>(37)</sup> <b>46ASYMFILM</b> =Asymmetric Film (see chart for distribution)  <b>Louvers</b> <sup>(37)</sup> <b>LVR-20</b> =Hex Cell Louver

## Notes:

- 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. Offered with spun aluminum shallow (S) trims.
- Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference [Multiplier tables](#).
- Product is marked spacing. [Reference table on page 4 for the spacing details](#).
- DMX fixtures default to full on upon loss of DMX signal.
- Not available with Chicago Plenum.
- ULUS listed only
- Available only on CS distributions.
- Not available on CS distributions.
- Not available with 7000-9500 lumens, DLVP up to 3000 lumens.
- Refer to system specifications for additional information features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.

- 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.
- For use with DE010 and D5LT drivers
- Flange is the same finish as the reflector
- Available with cast shallow trims only.
- Available with 45D cutoff (DP) trim only. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
- Available with 45D cutoff (DP) trim only. Not available with LI or WH finishes. Required for use with IEMBOD6ST. Not offered with remote driver.
- If using remote driver order battery and controls with the remote driver.
- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
- Order trim with knife edge.

- Order with self flanged trim.
- If using remote driver order battery and controls with the remote driver.
- 120V-277V
- Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).
- Non-IC
- Not available with Lutron drivers.
- 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.
- 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.
- Offered with 25° and above distribution.
- Requires 2M designation on light engine.