

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Portfolio

### LDRT4C | EU4C | 4LB

4" Round, Retrofit/Install from Below Downlight  
Narrow, Medium or Wide Beam or Wall Wash  
250-7500 Lumens

#### Typical Applications

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

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- Product Warranty

#### Product Certification



#### Control Compatibility



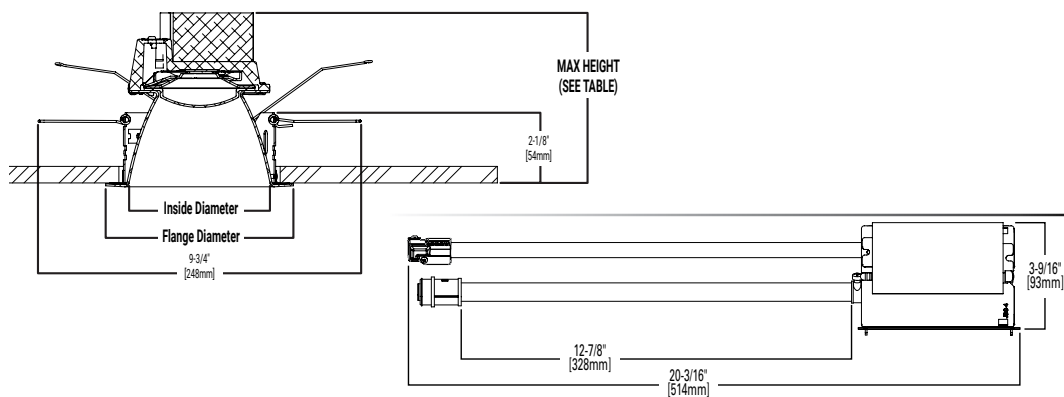
#### Product Features



#### Top Product Features

- 250 to 7500 lumens; Offered in 90 and 97 CRI; ENERGY STAR® qualified
- Remodel, retrofit or international installation; Retrofits existing HID, incandescent or compact fluorescent downlights
- Die-cast or spun aluminum reflectors; Narrow beam, medium beam and wide beam distributions; Optional shallow trim for 2x4 construction
- 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
- Options to meet Trade Agreements Act requirements

#### Dimensional and Mounting Details



[CLICK HERE](#)  
dimension information

## Single Line Order Information

SAMPLE ORDER NUMBER: **LDRT4C109030D010M1H** (all components in multiple packages in same shipment)

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.



Housing	Lumen <sup>(1)</sup>				Color Control	CCT <sup>(20)</sup>
<b>LDRT4C</b> =LED Downlight Retrofit 4" Nominal Aperture <b>LDRT4BCP</b> =LED Downlight Retrofit 4" Nominal Aperture, Chicago Plenum For TAA use <a href="#">Multi-line Ordering</a>	<b>02</b> = 250 lumens, IC rated <b>05</b> = 500 lumens, IC rated <b>08</b> = 800 lumens, IC rated <b>10</b> = 1000 Lumens <b>10IC</b> = 1000 Lumens, IC rated	<b>15</b> = 1500 Lumens <b>15IC</b> = 1500 Lumens, IC rated <b>20</b> = 2000 Lumens <b>25</b> = 2500 Lumens <b>30</b> = 3000 Lumens	<b>35</b> = 3500 lumens <b>40</b> = 4000 Lumens <b>45</b> = 4500 Lumens <sup>(10)</sup> <b>50</b> = 5000 Lumens <sup>(10)</sup> <b>55</b> = 5500 Lumens <sup>(10)</sup>	<b>60</b> = 6000 Lumens <sup>(10)</sup> <b>65</b> = 6500 Lumens <sup>(10)</sup> <b>70</b> = 7000 Lumens <sup>(10)</sup> <b>75</b> = 7500 Lumens <sup>(10)</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

Driver (Specify from Driver column.)	Information below for reference only.		Driver Options
	Remote driver & plug in driver		
<b>D010</b> =0-10V Dimming, 1% to 100%, 120V-277V up to 7000 lumens (up to 3000 lumens for remote driver) <b>1D010</b> =0-10V Dimming, 1% to 100%, 120V 7500 lumens (3500 to 7000 lumens for remote driver) <b>2D010</b> =0-10V Dimming, 1% to 100%, 277V 7500 lumens (3500 to 7000 lumens for remote driver) <b>3D010</b> =0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 4000 lumens; 250, 500, 4500 and above use step down transformer (250 to 7000 lumens for remote driver)	250-7000		<b>Blank</b> = Integral driver <b>RC100</b> = Remote 100ft <sup>(3)</sup> (33) <b>RC75</b> = Remote 75ft <sup>(3)</sup> (33) <b>RC50</b> = Remote 50ft <sup>(3)</sup> (33) <b>RC25</b> = Remote 25ft <sup>(3)</sup> (33) <b>RC15</b> = Remote 15ft <sup>(3)</sup> (33) <b>RC5</b> = Remote 5ft <sup>(3)</sup> (33) <b>RC2</b> = Remote 2ft <sup>(3)</sup> (33) <b>PD</b> = Plug in Driver
<b>D010TR</b> =0-10V Dimming, 5% to 100%, 120V-277V or 120V line voltage dimming 250- 4500 lumens (up to 3000 lumens for remote driver) <b>1D010TR</b> =0-10V or line voltage Dimming, 5% to 100%, 120V 5000-7500 lumens (3500 to 4500 lumens for remote driver) <b>2D010TR</b> =0-10V Dimming, 5% to 100%, 277V 5000-7500 lumens (3500 to 4500 lumens for remote driver) <b>3D010TR</b> =0-10V or line voltage Dimming, 5% to 100%, 347V step down transformer 250-7500 lumens (250 to 4500 lumens for remote driver)	250-4500		
<b>DE010</b> =0-10V Dimming, 0% to 100%, 120V-277V 500-7000 lumens (up to 3000 lumens for remote driver) <b>1DE010</b> =0-10V Dimming, 0% to 100%, 120V 7500 lumens (3500 to 7000 lumens for remote driver) <b>2DE010</b> =0-10V Dimming, 0% to 100%, 277V 7500 lumens (3500 to 7000 lumens for remote driver) <b>3DE010</b> =0-10V Dimming, 0% to 100%, 347V step down transformer, 500-7500 lumens (500 to 7000 lumens for remote driver)	500-7000		
<b>D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver) <b>1D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V 7500 lumens (3500 to 7000 lumens for remote driver) <b>2D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V 7500 lumens (3500 to 7000 lumens for remote driver) <b>3D5LT</b> =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 347V step down transformer, 500-7500 lumens (500 to 7000 lumens for remote driver)	500-7000		
<b>DMX</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V 800-4500 lumens (up to 3000 lumens for remote driver) <sup>(14)</sup> <b>1DMX</b> = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-7500 lumens (3500 to 4500 lumens for remote driver) <sup>(14)</sup> <b>2DMX</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-7500 lumens (3500 to 4500 lumens for remote driver) <sup>(14)</sup> <b>3DMX</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-7500 lumens (800 to 4500 lumens for remote driver) <sup>(14)</sup>	800-4500		
<b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4500 lumens, RJ45 Connection (up to 3000 lumens for remote driver) <sup>(14)</sup> <b>1DMXC5</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-7500 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) <sup>(14)</sup> <b>2DMXC5</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-7500 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) <sup>(14)</sup> <b>3DMXC5</b> =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-7500 lumens, RJ45 Connection (800 to 4500 lumens for remote driver) <sup>(14)</sup>	800-4500		
<b>1DL2</b> = Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only 800-7500 lumens (800 to 3500 lumens for remote driver) <b>3DL2</b> = Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 347V step down transformer, 800-7500 lumens (800 to 3500 lumens for remote driver)	800-3500		
<b>DLE</b> =Lutron Ecosystem dimming 1% to 100%, 120V-277V, 800-3500 lumens (up to 3000 lumens for remote driver) <b>1DLE</b> =Lutron Ecosystem dimming 1% to 100%, 120V, 4000-7500 lumens (3500 lumens for remote driver) <b>2DLE</b> =Lutron Ecosystem dimming 1% to 100%, 277V, 4000-7500 lumens (3500 lumens for remote driver) <b>3DLE</b> =Lutron Ecosystem dimming 1% to 100%, 347, step down transformer, 800-7500 lumens (800-3500 lumens for remote driver)	800-3500		
<b>DLV</b> = Low voltage dimming driver (1-100%) for use with DLVP system 800-3000 lumens <sup>(3)</sup>	800-3000 (Remote driver only)		

Trim Distribution <sup>(5)</sup>	Trim Flange	Trim Finish	Options <sup>(3)</sup> (16) (31)
<b>N</b> =Narrow, Spun Aluminum <sup>(26)(30)</sup> <b>M</b> =50° Cutoff, Medium Beam Reflector, Spun Aluminum <b>MD</b> =45° Cutoff, Medium Beam Reflector, Spun Aluminum <b>W</b> =Wide, Spun Aluminum <b>S</b> =Shallow, Spun Aluminum <b>HY</b> =Hyperbolic medium beam <sup>(12)</sup> <b>PS</b> =Non-Conductive Shallow, Injection Molded white <sup>(11)(12)</sup> <b>CS</b> =Cast Shallow, Die Cast Aluminum <b>BA</b> = Spun Aluminum Baffle <sup>(7)</sup> <b>Wall Wash</b> <b>SWN</b> = Single Wall Wash, Spun Aluminum <b>DWN</b> = Double Wall Wash, Spun Aluminum <b>CW</b> = Corner Wall Wash, Spun Aluminum <b>LSWW</b> = Lensed Single wall wash, Spun Aluminum <b>LDWW</b> = Lensed Double wall wash, Spun Aluminum	<b>0</b> =White Polymer Trim Ring <b>1</b> =Self-flanged <sup>(13)</sup> <b>2</b> =White Painted Self-flanged	<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) <b>MB</b> =Matte Black <sup>(9)</sup> <b>MMS</b> =Matte Metallic Silver <sup>(8)</sup>	<b>EMB0D</b> =Bodine® Emergency Module with Remote Test Switch <sup>(25)</sup> <b>EMB0D6ST</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>EMB0D7ST</b> =Bodine® Self Test Emergency Module <sup>(25)</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)(18)</sup> <b>WLST</b> = Factory installed Wavelinx LITE Sensor Kit <sup>(15)(17)</sup> <b>WPN</b> = Wavelinx PRO Wireless Node without sensor <sup>(19)</sup>

Continued on next page.

## Single Line Order Information

### Accessories (Sold separately) <sup>(22)</sup>

**TRM4P**=White metal trim ring <sup>(2)</sup>  
**LGSKT4IP66**=IP66 Gasket Kit  
**DT4RF**=6 inch frosted acrylic ring <sup>(25)</sup>

**Connected Lighting Systems** <sup>(9) (15)</sup>  
**WPST** = Field installed WaveLinx sensor Kit <sup>(17)</sup>  
**WLST** = Field installed WaveLinx LITE Sensor Kit <sup>(18)</sup>

**Transformers**  
**H347**=H347 for 5500 lumens and below **H347200**=347 to 120V Step Down Transformer, 200VA

#### Notes:

1. Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference [Multiplier tables](#).
2. Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
3. Not available with Chicago Plenum.
4. ULus listed only
5. Beam angles are nominal with LI finish trims.
7. Only available with Matte White and Matte Black Finishes.
8. Available only on CS distributions.
9. Not available on PS, CS or BA distributions.
10. Product is marked spacing. [Reference table on page 4](#).
11. PS available in self-flanged MW finish only.
12. Offered up to 2000 lumens
13. Flange is the same finish as the reflector
14. DMX fixtures default to full on upon loss of DMX signal.

15. Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
16. Non-IC
17. WLST = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)
18. WPST = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
19. 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.
22. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
23. Accessory (Requires knife edge accessory ring)
26. Offered with

- D010, D5LT, DE010 up to 7000 lumens
- D010TR, DMX up to 4500 lumens
- DLE, DL2 up to 3500 lumens
- 29. Order with self flanged trim.
- 30. Offered with DLVP up to 3000 lumens
- 31. 120V-277V
- 32. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)
- 33. Not available with Lutron drivers

## Product Specifications

### Lower Shielding Reflector

- Painted die-cast aluminum or spun aluminum lower reflector with lensed upper optical chamber provides superior lumen output with minimal source brightness
- Spun reflectors are available in all Portfolio anodized finishes
- Hyperbolic reflector provides minimal aperture brightness and glare.
- Available with non-conductive polymer reflector up to 2000 lumens
- Decorative frosted acrylic ring provides a light glow in the ceiling

### Wall Wash Reflector

- **Open Wall Wash** - wall wash reflector with gradient kicker offered in single, double and corner wall wash provides even vertical illumination with minimal source brightness.
- **Rotatable Lensed Wall Wash** - Rotatable Lensed wall wash reflector offered in single and double wall wash provides even vertical illumination with minimal source brightness.

### Trim Retention

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

### Plaster Ring

- Galvanized steel ring installs with 2 mouse trap springs for secure installation and accommodates up to 2 inch ceiling thickness.
- Retrofit - Converts existing HID, incandescent or compact fluorescent downlights to energy saving LED.
- Simple below ceiling installation without removing the existing fixture. Pre-wired flexible conduit with snap in connector installs into 1/2" knockout on the existing junction box.
- LDRT67B includes oversize adapter ring for larger openings

### 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 High CRI

- 98 CRI and W2N: L70 55,000 hours
- D2W™ – dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.
- W2N - Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI. Standard
- **98 CRI** With a full-spectrum approach using broad-blue chip technology and special phosphor blends, Thrive is able to closely match the spectrum of the sun across all color temperatures. Benefits of the natural spectrum of the sun using Thrive include superior accurate color rendering, reduced eye strain, and a higher sense of emotional well-being.
- See dedicated specification sheet for more details.

### Driver

- Standard 120-277V 0-10V dimming driver provides flicker free dimming from 100% to 1%
- Optional 120V leading edge/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 snap in driver for ease of maintenance.

### Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available Self-Test with remote charge indicator and test switch
- Emergency transfer device (ETRD) senses the loss of power regardless of local control settings allowing emergency power to the fixture.
- UL 924 listed

### Connected Lighting System

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

#### WaveLinX PRO Tilemount Sensor Kit

- WaveLinX 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 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.

#### WaveLinX LITE Tilemount Sensor Kit

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

#### WaveLinX Tilemount Kits Application

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

#### Code Compliance

- Thermally protected
- cULus Certified to UL 1598 / C22.2 No. 250.0 suitable for wet locations with downlight; damp location with wall wash and hyperbolic 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 1,500 lumens (90 and 97CRI). 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 table on page 3 for marked spacing requirements

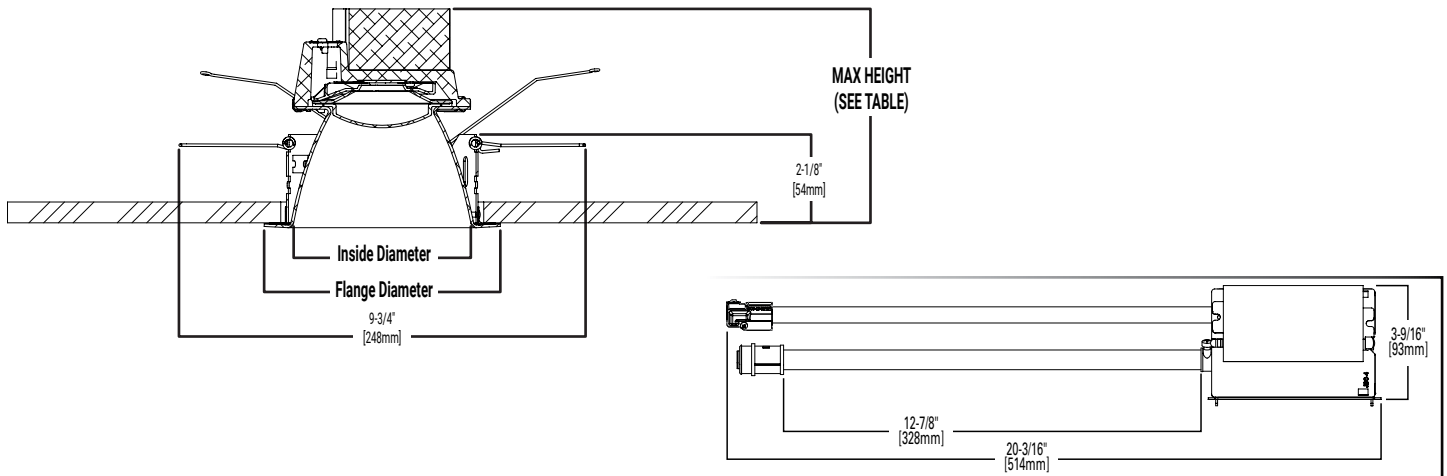
#### Warranty

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

## Marked Spacing

4-inch Marked spacing for 90 and 97 CRI			
4000	36	36	0.5
4000-7500 (Lutron)	36	36	8
4500-7500	36	36	8

## Dimensional and Mounting Details



CATALOG #	Flange DIAMETER [IN]	INSIDE DIAMETER [IN]	MAX HEIGHT				
			250-2500 LUMENS	3000-4000 LUMENS	1000-1500IC LUMENS (90/97CRI) 4500-6000 LUMENS (90/97CRI)	6500-7000 LUMENS (90/97CRI) 4000-8000 LUMENS (90/97CRI)	9000-15000 LUMENS (90/97CRI)
4LBN	5.67	4.24	5	5.2	5.6	6.1	8.1
4LBM	5.67	4.26	5	5.2	5.6	6.1	8.1
4LBW	5.67	4.27	4.6	4.8	5.2	5.7	7.7
4LBBA	5.67	4.28	5	5.2	5.6	6.1	8.1
4LBMD	5.67	4.26	5.8	5.9	6.4	6.9	8.9
4LBHY	5.67	4.34	5	5.2	5.6	6.1	8.1
4LBS	5.67	4.23	3.5	3.5	3.9	4.4	6.4
4LBPS	5.67	4.23	3.5	3.6	4	4.5	6.5
4LBCS	5.67	4.23	3.5	3.6	4	4.5	6.5
4LBLSWW	5.67	4.27	4.6	4.8	5.2	5.7	7.7
4LBLDWW	5.67	4.27	4.6	4.8	5.2	5.7	7.7

## Energy and Performance Data

### D010 DRIVER ENERGY DATA

Series	250 lumen		500 lumen		800 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.029	0.017	0.061	0.032	0.085	0.041	0.084	0.042	0.135	0.063	0.189	0.084
Input Power (W)	3.45	3.87	7.33	7.78	10.15	10.52	10.04	10.43	16.17	16.56	22.58	22.63
In-rush (A)	2.1	8.5	3.7	8.5	3.6	8.3	3.6	8.4	2.3	9.5	2.1	9.7
Inrush duration (µs)	250	131	190	136	220	135	226	136	230	125	243	132
THDi (%)	7.21	16.92	7.82	10.78	5.57	9.63	7.78	9.24	4.75	9.93	8.03	7.44
PF	≥ 0.98	≥ 0.9	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen		5000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.276	0.121	0.276	0.121	0.333	0.152	0.404	0.181	0.421	0.192	0.491	0.216
Input Power (W)	32.98	32.57	32	32.57	39.83	39.84	48.38	47.94	50.22	50.17	58.69	58.01
In-rush (A)	2.5	11.8	3.6	11.8	3.1	14.3	3.1	14.5	5.6	22.6	5.6	22.6
Inrush duration (µs)	215	111	220	111	200	94	197	95	215	120	213	135
THDi (%)	9.86	6.57	5.57	6.57	4.25	10.05	5.02	7.97	6.12	8.35	8.51	7.92
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.96

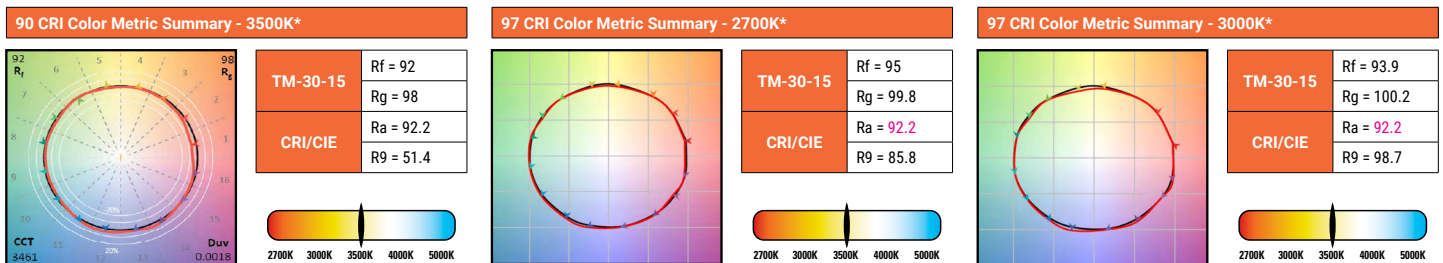
Series	5500 lumen		6000 lumen		6500 lumen		7000 lumen		7500 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.526	0.231	0.542	0.256	0.572	0.266	0.632	0.292	0.668	0.306
Input Power (W)	62.97	61.97	64.88	65.7	68.35	69.02	75.56	75.85	79.89	80.09
In-rush (A)	5.1	23.1	6.2	27.5	6.3	28.4	6.4	29.1	6.4	28.7
Inrush duration (µs)	217	138	188	101	189	92	187	90	185	100
THDi (%)	9.42	7.16	4.33	11.86	4.38	11.33	4.84	10.32	4.46	9.85
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.94

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

Sound Rating: Class A standards

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

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



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

## Photometric Data

[View IES files](#)

MEDIUM BEAM 50° CUTOFF 65° BEAM (H)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
<b>Test Number</b> P571636 <b>Housing</b> LDRT4C15D010 <b>Module</b> EU4C10209035 <b>Trim</b> 4LBMH <b>Lumens</b> 1178 <b>Efficacy</b> 74.6 Lm/W <b>SC</b> 0.95 <b>UGR</b> 11.9	<b>Downlight</b> 	 <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>73</td><td>3.6</td><td>3.6</td></tr> <tr><td>7'</td><td>23.8</td><td>6.6</td><td>6.6</td></tr> <tr><td>9'</td><td>14.4</td><td>8.4</td><td>8.4</td></tr> <tr><td>13'</td><td>6.9</td><td>12.2</td><td>12.2</td></tr> <tr><td>16'</td><td>4.6</td><td>15</td><td>15</td></tr> </tbody> </table>	D	FC	L	W	4'	73	3.6	3.6	7'	23.8	6.6	6.6	9'	14.4	8.4	8.4	13'	6.9	12.2	12.2	16'	4.6	15	15	<table border="1"> <thead> <tr> <th>Degrees Vertical</th> <th>Candela</th> </tr> </thead> <tbody> <tr><td>0</td><td>1168</td></tr> <tr><td>5</td><td>1147</td></tr> <tr><td>15</td><td>1006</td></tr> <tr><td>25</td><td>800</td></tr> <tr><td>35</td><td>437</td></tr> <tr><td>45</td><td>135</td></tr> <tr><td>55</td><td>32</td></tr> <tr><td>65</td><td>9</td></tr> <tr><td>75</td><td>2</td></tr> <tr><td>85</td><td>0</td></tr> <tr><td>90</td><td>0</td></tr> </tbody> </table>	Degrees Vertical	Candela	0	1168	5	1147	15	1006	25	800	35	437	45	135	55	32	65	9	75	2	85	0	90	0	<table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>% Fixture</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>752</td><td>63.8</td></tr> <tr><td>0-40</td><td>1024</td><td>87</td></tr> <tr><td>0-60</td><td>1165</td><td>98.9</td></tr> <tr><td>0-90</td><td>1178</td><td>100</td></tr> <tr><td>90-180</td><td>0</td><td>0</td></tr> <tr><td>0-180</td><td>1178</td><td>100</td></tr> </tbody> </table>	Zone	Lumens	% Fixture	0-30	752	63.8	0-40	1024	87	0-60	1165	98.9	0-90	1178	100	90-180	0	0	0-180	1178	100	<table border="1"> <thead> <tr> <th>Average Candela Degrees</th> <th>Average 0° Luminance</th> </tr> </thead> <tbody> <tr><td>37</td><td>55459</td></tr> <tr><td>45</td><td>23472</td></tr> <tr><td>55</td><td>6854</td></tr> <tr><td>65</td><td>2587</td></tr> <tr><td>75</td><td>854</td></tr> <tr><td>85</td><td>0</td></tr> </tbody> </table>	Average Candela Degrees	Average 0° Luminance	37	55459	45	23472	55	6854	65	2587	75	854	85	0
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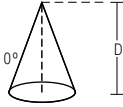
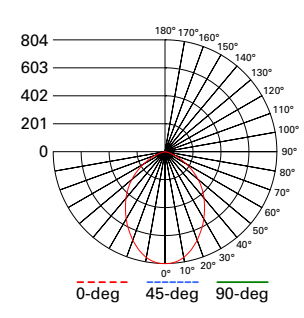
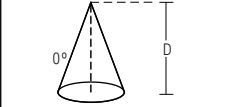
MEDIUM BEAM 50° CUTOFF 45° BEAM (LI)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
<b>Test Number</b> P571637 <b>Housing</b> LDRT4C15D010 <b>Module</b> EU4C10209035 <b>Trim</b> 4LBMLI <b>Lumens</b> 1469 <b>Efficacy</b> 93 Lm/W <b>SC</b> 0.48 <b>UGR</b> 0	<b>Downlight</b> 	 <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>236.3</td><td>1.8</td><td>1.8</td></tr> <tr><td>7'</td><td>77.2</td><td>3.2</td><td>3.2</td></tr> <tr><td>9'</td><td>46.7</td><td>4.2</td><td>4.2</td></tr> <tr><td>13'</td><td>22.4</td><td>6.2</td><td>6.2</td></tr> <tr><td>16'</td><td>14.8</td><td>7.6</td><td>7.6</td></tr> </tbody> </table>	D	FC	L	W	4'	236.3	1.8	1.8	7'	77.2	3.2	3.2	9'	46.7	4.2	4.2	13'	22.4	6.2	6.2	16'	14.8	7.6	7.6	<table border="1"> <thead> <tr> <th>Degrees Vertical</th> <th>Candela</th> </tr> </thead> <tbody> <tr><td>0</td><td>3780</td></tr> <tr><td>5</td><td>3389</td></tr> <tr><td>15</td><td>1844</td></tr> <tr><td>25</td><td>873</td></tr> <tr><td>35</td><td>339</td></tr> <tr><td>45</td><td>38</td></tr> <tr><td>55</td><td>2</td></tr> <tr><td>65</td><td>2</td></tr> <tr><td>75</td><td>0</td></tr> <tr><td>85</td><td>0</td></tr> <tr><td>90</td><td>0</td></tr> </tbody> </table>	Degrees Vertical	Candela	0	3780	5	3389	15	1844	25	873	35	339	45	38	55	2	65	2	75	0	85	0	90	0	<table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>% Fixture</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1213</td><td>82.6</td></tr> <tr><td>0-40</td><td>1428</td><td>97.2</td></tr> <tr><td>0-60</td><td>1468</td><td>99.9</td></tr> <tr><td>0-90</td><td>1469</td><td>100</td></tr> <tr><td>90-180</td><td>0</td><td>0</td></tr> <tr><td>0-180</td><td>1469</td><td>100</td></tr> </tbody> </table>	Zone	Lumens	% Fixture	0-30	1213	82.6	0-40	1428	97.2	0-60	1468	99.9	0-90	1469	100	90-180	0	0	0-180	1469	100	<table border="1"> <thead> <tr> <th>Average Candela Degrees</th> <th>Average 0° Luminance</th> </tr> </thead> <tbody> <tr><td>37</td><td>38008</td></tr> <tr><td>45</td><td>6672</td></tr> <tr><td>55</td><td>493</td></tr> <tr><td>65</td><td>669</td></tr> <tr><td>75</td><td>0</td></tr> <tr><td>85</td><td>0</td></tr> </tbody> </table>	Average Candela Degrees	Average 0° Luminance	37	38008	45	6672	55	493	65	669	75	0	85	0
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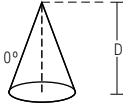
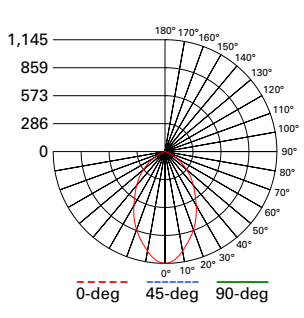
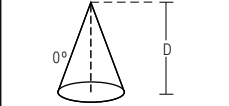
NARROW 55° BEAM (H)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
<b>Test Number</b> P571638 <b>Housing</b> LDRT4C15D010 <b>Module</b> EU4C10209035 <b>Trim</b> 4LBNH <b>Lumens</b> 979 <b>Efficacy</b> 62 Lm/W <b>SC</b> 0.81 <b>UGR</b> 8.2	<b>Downlight</b> 	 <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>76.8</td><td>3.2</td><td>3.2</td></tr> <tr><td>7'</td><td>25.1</td><td>5.6</td><td>5.6</td></tr> <tr><td>9'</td><td>15.2</td><td>7.2</td><td>7.2</td></tr> <tr><td>13'</td><td>7.3</td><td>10.4</td><td>10.4</td></tr> <tr><td>16'</td><td>4.8</td><td>12.8</td><td>12.8</td></tr> </tbody> </table>	D	FC	L	W	4'	76.8	3.2	3.2	7'	25.1	5.6	5.6	9'	15.2	7.2	7.2	13'	7.3	10.4	10.4	16'	4.8	12.8	12.8	<table border="1"> <thead> <tr> <th>Degrees Vertical</th> <th>Candela</th> </tr> </thead> <tbody> <tr><td>0</td><td>1229</td></tr> <tr><td>5</td><td>1197</td></tr> <tr><td>15</td><td>963</td></tr> <tr><td>25</td><td>685</td></tr> <tr><td>35</td><td>332</td></tr> <tr><td>45</td><td>67</td></tr> <tr><td>55</td><td>16</td></tr> <tr><td>65</td><td>5</td></tr> <tr><td>75</td><td>2</td></tr> <tr><td>85</td><td>0</td></tr> <tr><td>90</td><td>0</td></tr> </tbody> </table>	Degrees Vertical	Candela	0	1229	5	1197	15	963	25	685	35	332	45	67	55	16	65	5	75	2	85	0	90	0	<table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>% Fixture</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>692</td><td>70.7</td></tr> <tr><td>0-40</td><td>899</td><td>91.8</td></tr> <tr><td>0-60</td><td>972</td><td>99.2</td></tr> <tr><td>0-90</td><td>979</td><td>100</td></tr> <tr><td>90-180</td><td>0</td><td>0</td></tr> <tr><td>0-180</td><td>979</td><td>100</td></tr> </tbody> </table>	Zone	Lumens	% Fixture	0-30	692	70.7	0-40	899	91.8	0-60	972	99.2	0-90	979	100	90-180	0	0	0-180	979	100	<table border="1"> <thead> <tr> <th>Average Candela Degrees</th> <th>Average 0° Luminance</th> </tr> </thead> <tbody> <tr><td>37</td><td>39457</td></tr> <tr><td>45</td><td>11710</td></tr> <tr><td>55</td><td>3406</td></tr> <tr><td>65</td><td>1541</td></tr> <tr><td>75</td><td>854</td></tr> <tr><td>85</td><td>0</td></tr> </tbody> </table>	Average Candela Degrees	Average 0° Luminance	37	39457	45	11710	55	3406	65	1541	75	854	85	0
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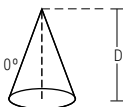
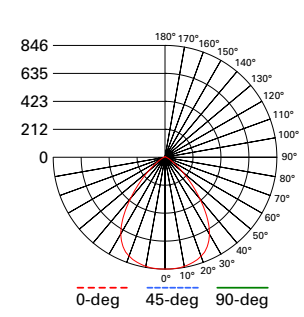
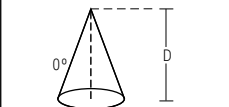
NARROW 30° BEAM (LI)	CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE	ZONAL LUMEN SUMMARY	LUMINANCE																																																																																			
<b>Test Number</b> P571639 <b>Housing</b> LDRT4C15D010 <b>Module</b> EU4C10209035 <b>Trim</b> 4LBNLI <b>Lumens</b> 1153 <b>Efficacy</b> 73 Lm/W <b>SC</b> 0.48 <b>UGR</b> 0	<b>Downlight</b> 	 <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>185.4</td><td>1.8</td><td>1.8</td></tr> <tr><td>7'</td><td>60.6</td><td>3.2</td><td>3.2</td></tr> <tr><td>9'</td><td>36.6</td><td>4.2</td><td>4.2</td></tr> <tr><td>13'</td><td>17.6</td><td>6.2</td><td>6.2</td></tr> <tr><td>16'</td><td>11.6</td><td>7.6</td><td>7.6</td></tr> </tbody> </table>	D	FC	L	W	4'	185.4	1.8	1.8	7'	60.6	3.2	3.2	9'	36.6	4.2	4.2	13'	17.6	6.2	6.2	16'	11.6	7.6	7.6	<table border="1"> <thead> <tr> <th>Degrees Vertical</th> <th>Candela</th> </tr> </thead> <tbody> <tr><td>0</td><td>2967</td></tr> <tr><td>5</td><td>2660</td></tr> <tr><td>15</td><td>1447</td></tr> <tr><td>25</td><td>685</td></tr> <tr><td>35</td><td>266</td></tr> <tr><td>45</td><td>30</td></tr> <tr><td>55</td><td>2</td></tr> <tr><td>65</td><td>2</td></tr> <tr><td>75</td><td>0</td></tr> <tr><td>85</td><td>0</td></tr> <tr><td>90</td><td>0</td></tr> </tbody> </table>	Degrees Vertical	Candela	0	2967	5	2660	15	1447	25	685	35	266	45	30	55	2	65	2	75	0	85	0	90	0	<table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>% Fixture</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>952</td><td>82.6</td></tr> <tr><td>0-40</td><td>1121</td><td>97.2</td></tr> <tr><td>0-60</td><td>1152</td><td>99.9</td></tr> <tr><td>0-90</td><td>1153</td><td>100</td></tr> <tr><td>90-180</td><td>0</td><td>0</td></tr> <tr><td>0-180</td><td>1153</td><td>100</td></tr> </tbody> </table>	Zone	Lumens	% Fixture	0-30	952	82.6	0-40	1121	97.2	0-60	1152	99.9	0-90	1153	100	90-180	0	0	0-180	1153	100	<table border="1"> <thead> <tr> <th>Average Candela Degrees</th> <th>Average 0° Luminance</th> </tr> </thead> <tbody> <tr><td>37</td><td>29831</td></tr> <tr><td>45</td><td>5247</td></tr> <tr><td>55</td><td>386</td></tr> <tr><td>65</td><td>523</td></tr> <tr><td>75</td><td>0</td></tr> <tr><td>85</td><td>0</td></tr> </tbody> </table>	Average Candela Degrees	Average 0° Luminance	37	29831	45	5247	55	386	65	523	75	0	85	0
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Zone	Lumens	% Fixture																																																																																						
0-30	952	82.6																																																																																						
0-40	1121	97.2																																																																																						
0-60	1152	99.9																																																																																						
0-90	1153	100																																																																																						
90-180	0	0																																																																																						
0-180	1153	100																																																																																						
Average Candela Degrees	Average 0° Luminance																																																																																							
37	29831																																																																																							
45	5247																																																																																							
55	386																																																																																							
65	523																																																																																							
75	0																																																																																							
85	0																																																																																							

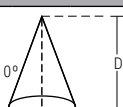
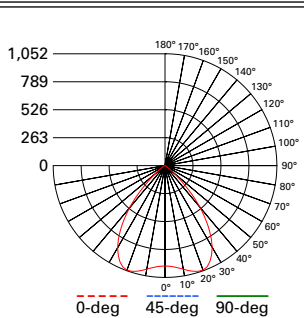
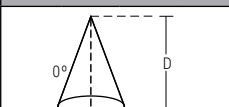
## Photometric Data

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SHALLOW 85° BEAM (H)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
		Downlight								Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Test Number	P571640									0	804	0-30	565	36.7	37	72577
Housing	LDRT4C15D010									5	798	0-40	875	56.9	45	65309
Module	EU4C10209035									15	730	0-60	1384	90	55	52605
Trim	4LBSH									25	618	0-90	1538	100	65	34942
Lumens	1538									35	496	90-180	0	0	75	13670
Efficacy	97.3 Lm/W									45	376	0-180	1538	100	85	0
SC	1.06									55	246					
UGR	26.5	65	120													
		75	29													
		85	0													
		90	0													

SHALLOW 65° BEAM (LI)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
		Downlight								Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Test Number	P571641									0	1145	0-30	712	44.4	37	77201
Housing	LDRT4C15D010									5	1115	0-40	1048	65.3	45	64475
Module	EU4B10209035									15	945	0-60	1520	94.8	55	44508
Trim	4LBSLI									25	749	0-90	1604	100	65	21163
Lumens	1604									35	534	90-180	0	0	75	1709
Efficacy	101.5 Lm/W									45	371	0-180	1604	100	85	0
SC	0.91									55	208					
UGR	23.9	65	73													
		75	4													
		85	0													
		90	0													

WIDE 80° BEAM (H)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
		Downlight								Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Test Number	P571642									0	844	0-30	653	49.9	37	75186
Housing	LDRT4C15D010									5	844	0-40	991	75.7	45	45989
Module	EU4C10209035									15	821	0-60	1276	97.5	55	17885
Trim	4LBWH									25	748	0-90	1309	100	65	6715
Lumens	1309									35	547	90-180	0	0	75	3370
Efficacy	82.8 Lm/W									45	265	0-180	1309	100	85	0
SC	1.18									55	84					
UGR	17.9	65	23													
		75	7													
		85	0													
		90	0													

WIDE 80° BEAM (LI)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
		Downlight								Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Test Number	P571643									0	950	0-30	844	54.4	37	-
Housing	LDRT4C15D010									5	963	0-40	1289	83.1	45	-
Module	EU4C10209035									15	1036	0-60	1546	99.7	55	-
Trim	4LBWLI									25	1005	0-90	1551	100	65	-
Lumens	1551									35	723	90-180	0	0	75	-
Efficacy	98.2 Lm/W									45	279	0-180	1551	100	85	-
SC	1.29									55	28					
UGR	6.9	65	4													
		75	2													
		85	0													
		90	0													



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LENSED WALL WASH (LI)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571646	<b>Downlight</b>								<b>Degrees Vertical</b>	<b>Candela</b>	<b>Zone</b>	<b>Lumens</b>	<b>% Fixture</b>	<b>Average Candela Degrees</b>	<b>Average 0° Luminance</b>																								
Housing	LDRT4C15D010					<table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>40.7</td><td>4.6</td><td>4.4</td></tr> <tr><td>7'</td><td>13.3</td><td>8.2</td><td>7.8</td></tr> <tr><td>9'</td><td>8</td><td>10.6</td><td>10</td></tr> <tr><td>13'</td><td>3.8</td><td>15.4</td><td>14.4</td></tr> <tr><td>16'</td><td>2.5</td><td>19</td><td>17.8</td></tr> </tbody> </table>				D	FC	L	W	4'	40.7	4.6	4.4	7'	13.3	8.2	7.8	9'	8	10.6	10	13'	3.8	15.4	14.4	16'	2.5	19	17.8	0	650	0-30	499	40	37	61806
D	FC	L	W																																					
4'	40.7	4.6	4.4																																					
7'	13.3	8.2	7.8																																					
9'	8	10.6	10																																					
13'	3.8	15.4	14.4																																					
16'	2.5	19	17.8																																					
Module	EU4C10209035									5	644	0-40	766	61.5	45	48248																								
Trim	4LBLSWWLI									15	647	0-60	1139	91.4	55	37226																								
Lumens	1246									25	591	0-90	1246	100	65	28866																								
Efficacy	78.9 Lm/W									35	439	90-180	0	0	75	19936																								
SC	1.12									45	278	0-180	1246	100	85	4088																								
UGR	26.3									55	174																													
										65	99																													
										75	42																													
										85	3																													
										90	0																													

LENSED WALL WASH (H)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571647	<b>Downlight</b>								<b>Degrees Vertical</b>	<b>Candela</b>	<b>Zone</b>	<b>Lumens</b>	<b>% Fixture</b>	<b>Average Candela Degrees</b>	<b>Average 0° Luminance</b>																								
Housing	LDRT4C15D010					<table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>39.7</td><td>4.5</td><td>4.2</td></tr> <tr><td>7'</td><td>13</td><td>8</td><td>7.6</td></tr> <tr><td>9'</td><td>7.8</td><td>10.2</td><td>9.8</td></tr> <tr><td>13'</td><td>3.8</td><td>14.8</td><td>14</td></tr> <tr><td>16'</td><td>2.5</td><td>18.3</td><td>17.4</td></tr> </tbody> </table>				D	FC	L	W	4'	39.7	4.5	4.2	7'	13	8	7.6	9'	7.8	10.2	9.8	13'	3.8	14.8	14	16'	2.5	18.3	17.4	0	635	0-30	471	39.4	37	62135
D	FC	L	W																																					
4'	39.7	4.5	4.2																																					
7'	13	8	7.6																																					
9'	7.8	10.2	9.8																																					
13'	3.8	14.8	14																																					
16'	2.5	18.3	17.4																																					
Module	EU4C10209035									5	639	0-40	724	60.5	45	48734																								
Trim	4LBLSWWH									15	639	0-60	1084	90.6	55	37269																								
Lumens	1196									25	586	0-90	1196	100	65	29099																								
Efficacy	75.7 Lm/W									35	441	90-180	0	0	75	20268																								
SC	1.09									45	280	0-180	1196	100	85	5497																								
UGR	26.5									55	174																													
										65	100																													
										75	43																													
										85	4																													
										90	0																													

MEDIUM BEAM 45° CUTOFF 55° BEAM (H)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571648	<b>Downlight</b>								<b>Degrees Vertical</b>	<b>Candela</b>	<b>Zone</b>	<b>Lumens</b>	<b>% Fixture</b>	<b>Average Candela Degrees</b>	<b>Average 0° Luminance</b>																								
Housing	LDRT4C15D010					<table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>83.8</td><td>3.4</td><td>3.4</td></tr> <tr><td>7'</td><td>27.4</td><td>6</td><td>6</td></tr> <tr><td>9'</td><td>16.6</td><td>7.6</td><td>7.6</td></tr> <tr><td>13'</td><td>7.9</td><td>11</td><td>11</td></tr> <tr><td>16'</td><td>5.2</td><td>13.6</td><td>13.6</td></tr> </tbody> </table>				D	FC	L	W	4'	83.8	3.4	3.4	7'	27.4	6	6	9'	16.6	7.6	7.6	13'	7.9	11	11	16'	5.2	13.6	13.6	0	1341	0-30	793	71.3	37	41780
D	FC	L	W																																					
4'	83.8	3.4	3.4																																					
7'	27.4	6	6																																					
9'	16.6	7.6	7.6																																					
13'	7.9	11	11																																					
16'	5.2	13.6	13.6																																					
Module	EU4C10209035									5	1318	0-40	1008	90.6	45	15758																								
Trim	4LBMDH									15	1127	0-60	1103	99.1	55	4284																								
Lumens	1113									25	791	0-90	1113	100	65	2064																								
Efficacy	70.4 Lm/W									35	337	90-180	0	0	75	1044																								
SC	0.86									45	91	0-180	1113	100	85	423																								
UGR	9.5									55	20																													
										65	7																													
										75	2																													
										85	0																													
										90	0																													

MEDIUM BEAM 45° CUTOFF 50° BEAM (LI)		CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571649	<b>Downlight</b>								<b>Degrees Vertical</b>	<b>Candela</b>	<b>Zone</b>	<b>Lumens</b>	<b>% Fixture</b>	<b>Average Candela Degrees</b>	<b>Average 0° Luminance</b>																								
Housing	LDRT4C15D010					<table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr><td>4'</td><td>108.2</td><td>3.2</td><td>3.2</td></tr> <tr><td>7'</td><td>35.3</td><td>5.6</td><td>5.6</td></tr> <tr><td>9'</td><td>21.4</td><td>7.4</td><td>7.4</td></tr> <tr><td>13'</td><td>10.2</td><td>10.6</td><td>10.6</td></tr> <tr><td>16'</td><td>6.8</td><td>13.2</td><td>13.2</td></tr> </tbody> </table>				D	FC	L	W	4'	108.2	3.2	3.2	7'	35.3	5.6	5.6	9'	21.4	7.4	7.4	13'	10.2	10.6	10.6	16'	6.8	13.2	13.2	0	1700	0-30	1023	79.1	37	36556
D	FC	L	W																																					
4'	108.2	3.2	3.2																																					
7'	35.3	5.6	5.6																																					
9'	21.4	7.4	7.4																																					
13'	10.2	10.6	10.6																																					
16'	6.8	13.2	13.2																																					
Module	EU4C10209035									5	1751	0-40	1243	96	45	8096																								
Trim	4LBMDLI									15	1545	0-60	1291	99.8	55	1199																								
Lumens	1294									25	945	0-90	1294	100	65	640																								
Efficacy	81.9 Lm/W									35	323	90-180	0	0	75	285																								
SC	0.84									45	47	0-180	1294	100	85	0																								
UGR	0.4									55	6																													
										65	2																													
										75	1																													
										85	0																													
										90	0																													

## Photometric Data

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### Photometric Multipliers (Nominal Lumen Values)

250 Lumen	500 Lumen	800 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.22	0.42	0.57	0.65	1.00	1.29	1.62	1.90	2.25
4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen	6500 Lumen	7000 Lumen	7500 Lumen	
2.61	3.02	3.42	3.82	4.13	4.32	4.54	5.34	

Multipliers for relative lumen values with other series models.

### CCT Multipliers – 90CRI

2400K	2700K	3000K	3500K	4000K	5000K
0.912	0.949	0.986	1	1.001	1.022

Multipliers for relative lumen values with other series color temperatures.

### CCT Multipliers – 97CRI

2700K	3000K	3500K	4000K	5000K
0.889	0.955	1	1.016	1.07

Multipliers for relative lumen values with other series color temperatures.

### Color Finish Multipliers (from H = Semi Specular Clear)

Finish code	LI	H	WMH	WH	GPH	B	MW
Finish	Specular Clear	Semi-Specular Clear	Warm Haze	Wheat	Graphite Haze	Specular Black	Matte White
Multiplier	1.25	1.00	1.02	1.02	0.72	0.55	0.95

Multipliers for relative lumen values with other color finishes.

## Multi-line Order Information

SAMPLE ORDER NUMBER: **LDRT4C10D010TRIEM14** (All components may ship separately)

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



Domestic Preferences <sup>(1)</sup>	Housing	Lumens <sup>(2)</sup>		
<b>[Blank]</b> =Standard <b>TAA</b> =Trade Agreements Act	<b>LDRT4C</b> =LED Downlight 4" Nominal Aperture <b>LDRT4CCP</b> =LED Downlight 4" Nominal Aperture, Chicago Plenum	<b>02</b> =250 lumens <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	<b>25</b> =2500 lumens <b>30</b> =3000 lumens <b>35</b> =3500 lumens <b>40</b> =4000 lumens <b>45</b> =4500 lumens <b>50</b> =5000 lumens <sup>(3)</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>75</b> =7500 lumens <sup>(3)</sup>

Driver	Driver Options
<p><b>D010</b> = 0-10V Dimming, 1% to 100%, 120V-277V, up to 7000 lumens (up to 3000 lumens for remote driver)  <b>1D010</b> = 0-10V Dimming, 1% to 100%, 120V, 7500 lumens (3500 to 7000 lumens for remote driver)  <b>2D010</b> = 0-10V Dimming, 1% to 100%, 277V, 7500 lumens (3500 to 7000 lumens for remote driver)  <b>3D010</b> = 0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 4000 lumens; 250, 500, 4500 and above use step down transformer (250 to 7000 lumens for remote driver)  <b>1 driver:</b> 250-7000 / <b>2 drivers:</b> 7500</p>	<p><b>Blank</b>=Integral driver  <b>R</b>=Remote driver (offered with single driver, order remote driver separately) <sup>(6)</sup>  <b>PD</b>=Plug in Driver (offered with single driver) <sup>(8)</sup></p>
<p><b>D010TR</b> = 0-10V Dimming, 5% to 100%, 120V-277V or 120V line voltage dimming, 250- 4500 lumens (up to 3000 lumens for remote driver)  <b>1D010TR</b> = 0-10V or line voltage Dimming, 5% to 100%, 120V, 5000-7500 lumens (3500 to 4500 lumens for remote driver)  <b>2D010TR</b> = 0-10V Dimming, 5% to 100%, 277V, 5000-7500 lumens (3500 to 4500 lumens for remote driver)  <b>3D010TR</b> = 0-10V or line voltage Dimming, 5% to 100%, 347V step down transformer, 250-7500 lumens (250 to 4500 lumens for remote driver)  <b>1 driver:</b> 250-4500 / <b>2 drivers:</b> 5000-7500</p>	
<p><b>DE010</b> = 0-10V Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver)  <b>1DE010</b> = 0-10V Dimming, 0% to 100%, 120V, 7500 lumens (3500 to 7000 lumens for remote driver)  <b>2DE010</b> = 0-10V Dimming, 0% to 100%, 277V, 7500 lumens (3500 to 7000 lumens for remote driver)  <b>3DE010</b> = 0-10V Dimming, 0% to 100%, 0-10V Dimming, 347V step down transformer, 500-7500 lumens (500 to 7000 lumens for remote driver)  <b>1 driver:</b> 500-7000 / <b>2 drivers:</b> 7500</p>	
<p><b>D5LT</b> = Fifth Light<sup>®</sup> (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver)  <b>1D5LT</b> = Fifth Light<sup>®</sup> (DALI T6) Logarithmic Dimming, 0% to 100%, 120V, 7500 lumens (3500 to 7000 lumens for remote driver)  <b>2D5LT</b> =Fifth Light<sup>®</sup> (DALI T6) Logarithmic Dimming, 0% to 100%, 277V, 7500 lumens (3500 to 7000 lumens for remote driver)  <b>3D5LT</b> =Fifth Light<sup>®</sup> (DALI T6) Logarithmic Dimming, 0% to 100% 347V step down transformer, 500-7500 lumens (500 to 7000 lumens for remote driver)  <b>1 driver:</b> 500-7000 / <b>2 drivers:</b> 7500</p>	
<p><b>DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4500 lumens (up to 3000 lumens for remote driver) <sup>(5)</sup>  <b>1DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-7500 lumens (3500 to 4500 lumens for remote driver) <sup>(5)</sup>  <b>2DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-7500 lumens (3500 to 4500 lumens for remote driver) <sup>(5)</sup>  <b>3DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-7500 lumens, RJ45 Connection (800 to 4500 lumens for remote driver) <sup>(5)</sup>  <b>1 driver:</b> 800-4500 / <b>2 drivers:</b> 5000-7500</p>	
<p><b>DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, up to 800-4500 lumens, RJ45 Connection (up to 3000 lumens for remote driver) <sup>(5)</sup>  <b>1DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-7500 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) <sup>(5)</sup>  <b>2DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-7500 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) <sup>(5)</sup>  <b>3DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 250-7500 lumens, RJ45 Connection (800 to 4500 lumens for remote driver) <sup>(5)</sup>  <b>1 driver:</b> 800-4500 / <b>2 drivers:</b> 5000-7500</p>	
<p><b>1DL2</b>=Lutron<sup>®</sup> Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only, 800-7500 lumens (800 to 3500 lumens for remote driver)  <b>3DL2</b> = Lutron<sup>®</sup> Hi-Lume Forward Phase Dimming, 1% to 100%, 347V step down transformer, 800-7500 lumens (800 to 3500 lumens for remote driver)  <b>1 driver:</b> 800-3500 / <b>2 drivers:</b> 4000-7500</p>	
<p><b>DLE</b>=Lutron Ecosystem dimming 1% to 100%, 120V-277V, 800-3500 lumens (up to 3000 lumens for remote driver)  <b>1DLE</b>=Lutron Ecosystem dimming 1% to 100%, 120V, 4000-7500 lumens (3500 lumens for remote driver)  <b>2DLE</b>=Lutron Ecosystem dimming 1% to 100%, 120V-277V, 4000-7500 lumens (3500 lumens for remote driver)  <b>3DLE</b>=Lutron Ecosystem dimming 1% to 100%, 347V, step down transformer, 800-7500 lumens (800-3500 lumens for remote driver)  <b>1 driver:</b> 800-3500 / <b>2 drivers:</b> 4000-7500</p>	
<p><b>DLV</b>=Low voltage dimming driver (1-100%) for use with DLVP system 800-3000 lumens <sup>(6)</sup></p>	

### Options <sup>(6)</sup> <sup>(30)</sup> <sup>(31)</sup> <sup>(33)</sup>

<b>EMBOD</b> =Bodine <sup>®</sup> 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>EMBOD6ST</b> =Bodine <sup>®</sup> 6W Self Test Emergency Module with Remote Test Switch	<b>EMV14</b> =14W Low Voltage Emergency Module with Remote Test Switch <sup>(7)</sup>
<b>EM7</b> =7W Emergency Module with Remote Test Switch	<b>ETRD</b> =Emergency transfer device <sup>(32)</sup>
<b>EM14</b> =14W Emergency Module with Remote Test Switch	<b>WPST</b> =Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) <sup>(11)</sup> <sup>(13)</sup>
<b>EMBOD7ST</b> =Bodine <sup>®</sup> Self Test Emergency Module <sup>(10)</sup>	<b>WLST</b> =Factory installed Wavelinx LITE Sensor Kit <sup>(11)</sup> <sup>(12)</sup>

Continued on next page.

## Multi-line Order Information

SAMPLE ORDER NUMBER: **EU4C10209035**

Domestic Preferences <sup>(1)</sup>	Power Module	Lumen Levels <sup>(2)</sup>	CRI <sup>(2)</sup>	Color
<b>[Blank]</b> =Standard <b>TAA</b> =Trade Agreements Act	<b>EU4C</b> =4-inch Universal LED Module	<b>For use with one driver</b> <b>0208IC</b> =250, 500, 800 lumens, IC Rated (for use with all drivers, min 500 lumen with DE010 and D5LT, min 800 lumens with DLVP, Lutron and DMX) <b>1020</b> = 1000, 1500, 2000 lumens <b>1015IC</b> =1000, 1500 lumens IC Rated <b>2540</b> =2500, 3000, 3500, 4000 lumens (For use with Lutron 3000-3500, DLVP 3000 lumens, DMX, D010, D010TR, D5LT and DE010 3000-4000) <b>4560</b> =4500, 5000, 5500, 6000 lumens (For use with DMX and D010TR 4500 lumens, D010, D5LT and DE010 4500-6000) <sup>(3)</sup> <b>6570</b> =6500, 7000 lumens (For use with D010, D5LT and DE010) <sup>(3)</sup>  <b>For use with two drivers</b> <b>4075</b> =4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500 lumens (For use with Lutron 4000-7500, D010TR & DMX 5000, D010, D5LT & DE010 7500 lumen) <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

SAMPLE ORDER NUMBER: **4LBM2H**

Trim	Reflector	Flange	Finish	Options	
<b>4LB</b> =4" LED	<b>N</b> =Narrow, Spun Aluminum <sup>(20)</sup> <b>M</b> =50° Cutoff, Medium Beam Reflector, Spun Aluminum <b>MD</b> =45° Cutoff, Medium Beam Reflector, Spun Aluminum <b>W</b> =Wide, Spun Aluminum <b>S</b> =Shallow, Spun Aluminum <b>HY</b> =Hyperbolic medium beam <sup>(29)</sup> <b>PS</b> =Non-Conductive Shallow, Injection Molded white <sup>(16) (17)</sup> <b>CS</b> =Cast Shallow, Die Cast Aluminum <b>BA</b> = Spun Aluminum Baffle <sup>(24)</sup>	<b>Wall Wash</b> <b>SWN</b> =Single wall wash, spun aluminum <b>DWN</b> =Double wall wash, spun aluminum <b>CW</b> =Corner wall wash, spun aluminum <b>LSWW</b> =Lensed single wall wash, spun aluminum <b>LDWW</b> =Lensed double wall wash, spun aluminum	<b>0</b> =White polymer trim ring <b>1</b> =Self flanged <sup>(18)</sup> <b>2</b> =White painted self flanged	<b>LI</b> =Specular Clear <sup>(20)</sup> <b>H</b> =Semi-Specular Clear <sup>(20)</sup> <b>WMH</b> =Warm Haze <sup>(20)</sup> <b>WH</b> =Wheat <sup>(20)</sup> <b>GPH</b> =Graphite Haze <sup>(20)</sup> <b>B</b> =Specular Black <sup>(20)</sup> <b>MW</b> =Matte White <b>MB</b> =Matte Black <sup>(21)</sup> <b>MMS</b> =Matte Metallic Silver <sup>(21)</sup>	<b>E</b> =Integral Emergency Test Switch Hole <sup>(22)</sup>

### REQUIRED if Remote Driver (R) is specified

SAMPLE ORDER NUMBER: **RC10010D010TREM7**

Domestic Preferences <sup>(1)</sup>	Remote Drivers	Lumens <sup>(2) (14)</sup>
<b>[Blank]</b> =Standard <b>TAA</b> =Trade Agreements Act	<b>RC100</b> =Remote 100ft <b>RC75</b> =Remote 75ft <b>RC50</b> =Remote 50ft <b>RC25</b> =Remote 25ft <b>RC15</b> =Remote 15ft <b>RC5</b> =Remote 5ft <b>RC2</b> =Remote 2ft	<b>02</b> =250 lumens <b>20</b> =2000 lumens <b>50</b> =5000 lumens <b>05</b> =500 lumens <b>25</b> =2500 lumens <b>55</b> =5500 lumens <b>08</b> =800 lumens <b>30</b> =3000 lumens <b>60</b> =6000 lumens <b>10</b> =1000 lumens <b>35</b> =3500 lumens <b>65</b> =6500 lumens <b>15</b> =1500 lumens <b>40</b> =4000 lumens <b>70</b> =7000 lumens <b>45</b> =4500 lumens

Continued on next page.

Multi-line Order Information

Driver
<p><b>D010</b> = 0-10V Dimming, 1% to 100%, 120V-277V, 250-3000 lumens  <b>1D010</b> = 0-10V Dimming, 1% to 100%, 120V, 3500-7000 lumens  <b>2D010</b> = 0-10V Dimming, 1% to 100%, 277V, 3500-7000 lumens  <b>3D010</b> = 0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 3000 lumens; 250, 500, 3500-7000 lumens use step down transformer</p>
<p><b>D010TR</b> = 0-10V Dimming, 5% to 100%, 120V-277V or 120V line voltage dimming, 120V-277V, 250- 3000 lumens  <b>1D010TR</b> = 0-10V or line voltage Dimming, 5% to 100%, 120V, 3500-4500 lumens  <b>2D010TR</b> = 0-10V Dimming, 5% to 100%, 277V, 3500-4500 lumens  <b>3D010TR</b> = 0-10V or line voltage Dimming, 5% to 100% 347V step down transformer, 250-4500 lumens</p>
<p><b>DE010</b> = 0-10V Dimming, 0% to 100%, 120V-277V, 500-3000 lumens  <b>1DE010</b> = 0-10V Dimming, 0% to 100%, 120V, 3500-7,000 lumens  <b>2DE010</b> = 0-10V Dimming, 0% to 100%, 277V, 3500-7,000 lumens  <b>3DE010</b> = 0-10V Dimming, 0% to 100%, 347V step down transformer, 500-7,000 lumens</p>
<p><b>D5LT</b> = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-3000 lumens  <b>1D5LT</b> = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V, 3500-7,000 lumens  <b>2D5LT</b> = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V, 3500-7,000 lumens  <b>3D5LT</b> = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100% 347V step down transformer, 500-7,000 lumens</p>
<p><b>DMX</b> = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-3000 lumens<sup>(5)</sup>  <b>1DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 3500-4500<sup>(5)</sup>  <b>2DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 3500-4500<sup>(5)</sup>  <b>3DMX</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-4500<sup>(5)</sup></p>
<p><b>DMXC5</b> = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V up to 800-3000 lumens, RJ45 Connection<sup>(5)</sup>  <b>1DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 3500-4500 lumens, RJ45 Connection<sup>(5)</sup>  <b>2DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 3500-4500 lumens, RJ45 Connection<sup>(5)</sup>  <b>3DMXC5</b>=DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-4500 lumens, RJ45 Connection<sup>(5)</sup></p>
<p><b>1DL2</b>=Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only, 25' Max remote length, 800-3500 lumens  <b>3DL2</b> = Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 347V step down transformer, 25' Max remote length, 800-3500 lumens</p>
<p><b>DLE</b> = Lutron Ecosystem dimming 1% to 100%, 120V-277V, 25' Max remote length, 800-3000 lumens  <b>1DLE</b>=Lutron Ecosystem dimming 1% to 100%, 120V, 25' Max remote length, 3500 lumens  <b>2DLE</b>=Lutron Ecosystem dimming 1% to 100%, 277V, 25' Max remote length, 3500 lumens  <b>3DLE</b>=Lutron Ecosystem dimming 1% to 100%, 347V, step down transformer, 25' Max remote length, 800-3500 lumens</p>
<p><b>DLV</b> = Low voltage dimming driver (1-100%) for use with DLVP system, 800-3000 lumens<sup>(6)</sup></p>

Options <sup>(6) (30) (31) (33)</sup>	Controls
<p><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</p>	<p><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>(19)</sup></p>
<p><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>(22)</sup></p>	

Accessories (Order separately) <sup>(25)</sup>		
<p><b>TRM4P</b>=White metal trim ring<sup>(26)</sup>  <b>LGSKT4IP66</b>=IP66 Gasket Kit  <b>DT4RF</b>=4 inch frosted acrylic ring<sup>(28)</sup></p>	<p><b>Connected Lighting Systems<sup>(6) (11)</sup></b>  <b>WPST</b> = Field installed WaveLinX sensor Kit<sup>(13)</sup>  <b>WLST</b> = Field installed WaveLinX LITE Sensor Kit<sup>(12)</sup></p>	<p><b>Transformers</b>  <b>H347</b>=H347 for 5500 lumens and below  <b>H347200</b>=347 to 120V Step Down Transformer, 200VA</p>

- 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 narrow (N), medium (M) and wide (W) 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
  - Offered with
    - D010, D5LT, DE010 up to 7000 lumens
    - D010TR, DMX up to 4500 lumens
    - DLE, DL2 up to 3500 lumens
  - Not available with 5500 lumens
  - Not available for 6500-7000 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.
- IC rated up to 3000 lumens
- Spun aluminum only
- PS available in self-flanged MW finish only
- Offered up to 2000 lumens
- Flange is the same finish as the reflector
- 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.
- Anodized or spun reflectors

- Die cast only
- Available with narrow (N), medium (M) and medium 45 degree (MD) Spun Aluminum trims. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
- Offered with DLVP up to 3000 lumens.
- Black or white paint.
- 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 with self flanged trim.
- Use only with single LED/driver.
- 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

## Connected Solutions

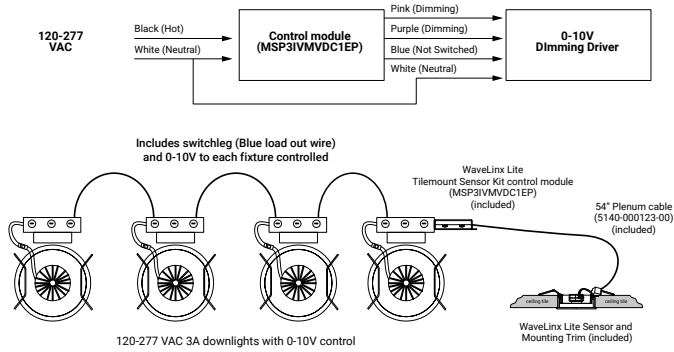
### WaveLinX LITE - WLST Tilemount Sensor



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



#### WaveLinX LITE WLST Tilemount Wiring Diagram



#### WaveLinX LITE Bluetooth Enabled System



### WaveLinX PRO Wireless – WPST Tilemount Sensor



- 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-Along Offices or Entire Building Network Installations

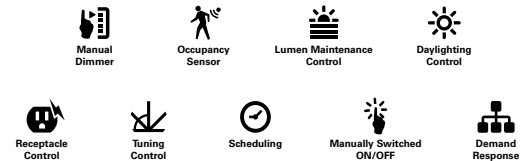
**Downlights with tilemount sensor wireless communication**  
Highly efficient LED fixtures

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

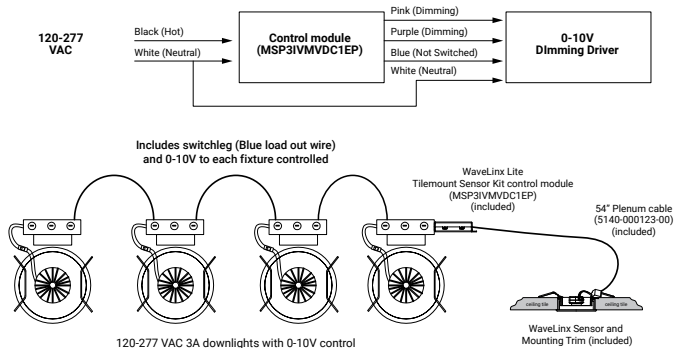
**Wireless Wall Station/Receptacle**  
Provides customized wireless control of each area

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

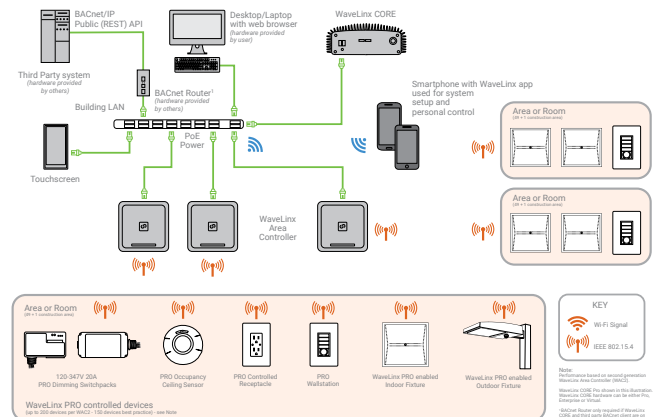
#### WaveLinX mobile app settings



#### WaveLinX PRO WPST Tilemount Wiring Diagram



#### WaveLinX CORE Building Management Integration



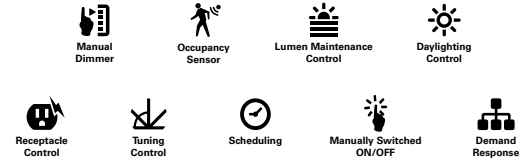
## Connected Solutions

### WaveLinx PRO Wireless Node - WPN

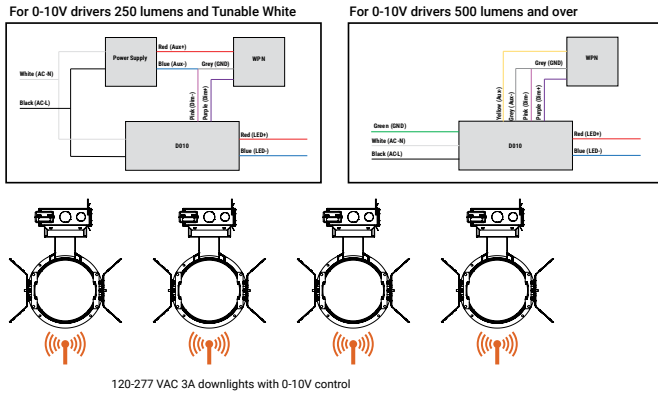
- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinx Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



#### WaveLinx mobile app settings



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



#### WaveLinx CORE Building Management Integration

