

Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LDRT4D | EU4D | 4LB

4" Round, Retrofit/Install from Below Downlight
with high center beam optics
250-9500 Lumens

Typical Applications

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

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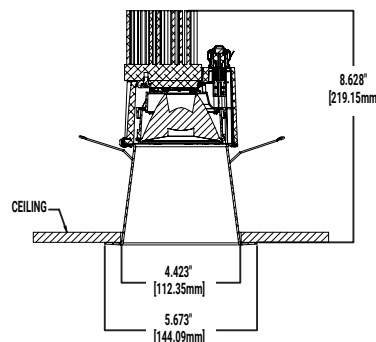
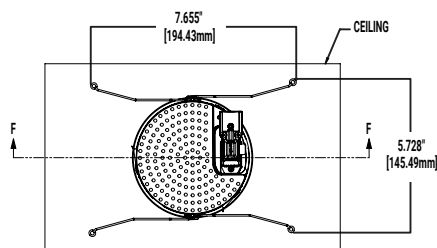


Top Product Features

- 250 to 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
- Remodel, retrofit or international installation; Retrofits existing HID, incandescent or compact fluorescent downlights
- 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

High Lumen



[CLICK HERE](#)
dimension information

Single Line Order Information

SAMPLE ORDER NUMBER: **LDRT4D10R109030D010DP1H = LDRT4D10D010 + EU4DR100210IC9030 + 4LBDP1H**

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 ⁽¹⁾			Optic	Color Control	CCT		Optic Position
LDRT4D =LED Downlight Retrofit 4" Nominal Aperture LDRT4DCP =LED Downlight Retrofit 4" Nominal Aperture, Chicago Plenum For TAA use Multi-Line Ordering	02 =250 lumens 02B =250 lumens for use with 6" optic ⁽¹¹⁾ 05 =500 lumens 08 =800 lumens 10 =1000 lumens 15 =1500 lumens 20 =2000 lumens ⁽¹⁶⁾ 25 =2500 lumens ^{(16) (19)}	30 =3000 lumens ^{(16) (19)} 35B =3500 lumens ^{(16) (21)} 40B =4000 lumens ^{(16) (21)} 45B =4500 lumens ^{(16) (21)} 50 =5000 lumens ^{(16) (21)} 55 =5500 lumens ^{(16) (21)} 60 =6000 lumens ^{(16) (21)}	65 =6500 lumens ^{(10) (21)} 70B =7000 lumens ^{(10) (21)} 75B =7500 lumens ^{(10) (21)} 80B =8000 lumens ^{(10) (21)} 85B =8500 lumens ^{(10) (21)} 90B =9000 lumens ^{(10) (21)} 95B =9500 lumens ^{(10) (21)}	X =No optic order separately ⁽²¹⁾ R06 =6" limited to 250 lumens R08 =8" limited to 1000 lumens R10 =10" limited to 2000 lumens R15 =15" limited to 3000 lumens R20 =20" limited to 3000 lumens R25 =25" R30 =30"	R35 =35" R40 =40" R45 =45" R50 =50" R55 =55" R60 =60" R65 =65" R70 =70"	90 =90 CRI Min. 97 =97 CRI Min.	90 CRI 24=2400K 27=2700K 30=3000K 35=3500K 40=4000K 50=5000K 97 CRI 27=2700K 30=3000K	Blank =Engine accepts optic only (preferred if media will not be used) 2M =Engine accepts up to 2 lenses or media (optic is recessed in engine)

Voltage	Driver	Driver Options
Blank =120-277V used with all integral drivers and remote drivers 1500 lumens and below 1=120V Only required when using remote driver 2000 lumens and above 2=277V Only required when using remote driver 2000 lumens and above 3=347V (D010 driver 800-4500). 250, 500, 5000-7000, remote drivers from 2000-7000 lumens and all other drivers use step down transformer	D010 =0-10V, 1-100% (500-9500 lumens) D010TR =0-10V or (120V) phase cut dimming 1-100% (250-5000 lumens) DE010 =0-10V linear dimming, 0.1-100% (250 lumen [02B only], 800-6500 lumens) DSL =DALI T6 Logarithmic Dimming, 0.1-100% (250 lumen [02B only], 800-6500 lumens) DMX =DMX/RDM Logarithmic Dimming, 0.1-100% (1000-5000 lumens) ⁽¹⁴⁾ DMXC5 =DMX/RDM Logarithmic Dimming, 0.1-100% with RJ45 connection (1000-5000 lumens) ⁽¹⁴⁾ DLE =Lutron Ecosystem dimming 1-100% (1000-3500 lumens) DLVP =Low voltage dimming 1-100% for use with DLVP system, 1000-3000 lumens ⁽⁹⁾	Blank = Integral driver RD100 = Remote 100ft ^{(3) (33)} RD75 = Remote 75ft ^{(3) (33)} RD50 = Remote 50ft ^{(3) (33)} RD25 = Remote 25ft ⁽³⁾ RD15 = Remote 15ft ⁽³⁾ RD5 = Remote 5ft ⁽³⁾ RD2 = Remote 2ft ⁽³⁾ PD = Plug in Driver

Trim Distribution	Trim Flange	Trim Finish	Options ^{(3) (16) (31)}	
DP =45° cutoff downlight S =Shallow trim CS =Cast shallow trim	0 =White Polymer Trim Ring 1 =Self-flanged ⁽¹³⁾ 2 =White Painted Self-flanged	LI =Specular Clear ⁽⁹⁾ H =Semi-Specular Clear ⁽⁹⁾ WMH =Warm Haze ⁽⁹⁾ WH =Wheat ⁽⁹⁾ GPH =Graphite Haze ⁽⁹⁾ B =Specular Black ⁽⁹⁾ MW =Matte White (Antimicrobial) ⁽⁹⁾ MB =Matte Black ⁽⁹⁾ MMS =Matte Metallic Silver ⁽⁹⁾	EMBOD =Bodine® 7W Emergency Module with Remote Test Switch ⁽²⁵⁾ EMBOD6ST =Bodine® 6W Self Test Emergency Module with Remote Test Switch EM7 =7W Emergency Module with Remote Test Switch EM14 =14W Emergency Module with Remote Test Switch EM14RSD =14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch EMBOD7ST =Bodine® 7W Self Test Emergency Module ⁽²⁵⁾ EMBOD =Bodine® 7W Emergency Module with Integral Test Switch ⁽⁶⁾ EM7 =7W Emergency Module with Integral Test Switch ⁽⁶⁾ EM14 =14W Emergency Module with Integral Test Switch ⁽⁶⁾	IEM14RSD =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch ⁽⁶⁾ IEMBOD6ST =Bodine® 6W Self Test Emergency Module with Integral Test Switch ⁽⁷⁾ EMV7 =7W Low Voltage Emergency Module with Remote Test Switch ⁽⁴⁾ EMV14 =14W Low Voltage Emergency Module with Remote Test Switch ⁽⁴⁾ ETRD =Emergency transfer device ⁽³²⁾ WPST = Factory installed WaveLinX (includes control module, sensor, cable, tilemount and ceiling mount sensor) ^{(15) (18)} WLST = Factory installed WaveLinX LITE Sensor Kit ^{(15) (17)} WPN = WaveLinX PRO Wireless Node without sensor ⁽²⁰⁾ WLN = WaveLinX LITE Wireless Node without sensor ⁽²⁵⁾

Accessories (Sold separately) ⁽²²⁾					
TRMAP =White metal trim ring ⁽²⁾ DT4RF =4" frosted acrylic ring ⁽²⁹⁾	Connected Lighting Systems ^{(3) (15) (16) (31)} WPST = Field installed WaveLinX sensor Kit ⁽¹⁸⁾ WLST = Field installed WaveLinX LITE Sensor Kit ⁽¹⁷⁾ Transformers H347 =H347 for 7000 lumens and below	Optics 46R25 =25° 46R30 =30° 46R35 =35° 46R40 =40° 46R45 =45° 46R50 =50° 46R55 =55° 46R60 =60° 46R65 =65° 46R70 =70°	Color Filters ⁽³⁷⁾ F22-20 =Red F33-20 =Blue F44-20 =Green F55-20 =Yellow F66-20 =Mercury	Dichronic Filters ⁽³⁷⁾ F71-20 =Peach F72-20 =Amber F73-20 =Green F74-20 =Medium Blue F75-20 =Yellow F76-20 =Red F77-20 =Dark Blue F78-20 =Light Blue F79-20 =Neutral Density F80-20 =Magenta	Beam-Modifying Lenses ⁽³⁷⁾ LSL-20 =Linear Spread Lens OSL-20 =Overall Spread Lens DIF-20 =Diffused Lens Asymmetric Film ⁽³⁷⁾ 46ASYMFILM =Asymmetric Film (see chart for distribution) Louvers ⁽³⁷⁾ LVR-20 =Hex Cell Louver

Notes:

1. Nominal Lumens will vary depending on selected CCT and CRI.
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
6. Available with 45deg cutoff (DP) trim only. Required for use with all, IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
7. Available with 45D cutoff (DP) trim only. Not available with LI or WH finishes. Required for use with IEMBOD6ST. Not offered with remote driver.
8. Available only on CS distributions.
9. Not available on CS distributions.
10. Product is marked spacing. [Reference table on page 4.](#)
11. For use with DE010 and DSLT drivers
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. Offered with 15" and above distributions.
20. 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.

21. Offered with 25" and above distributions.
22. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
25. Not available with 7000-9500 lumens, DLVP up to 3000 lumens.
29. Order with self flanged trim.
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 driver
35. WLN = WaveLinX LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight
37. 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
- 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 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 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 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
- 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

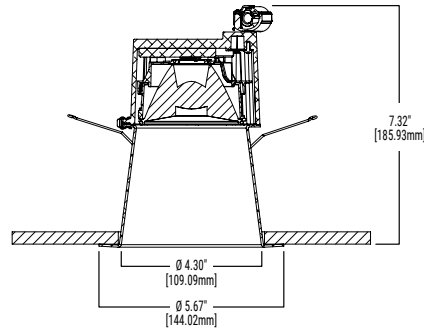
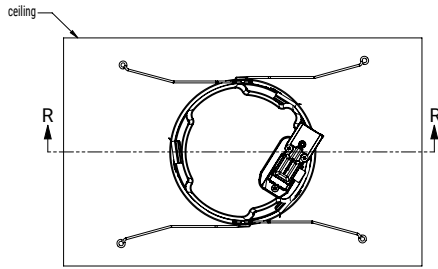
Warranty

- Five year warranty www.cooperlighting.com/legal

Marked Spacing

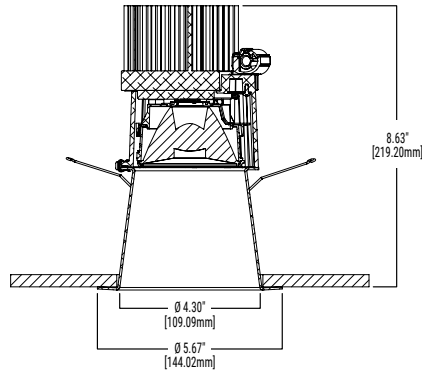
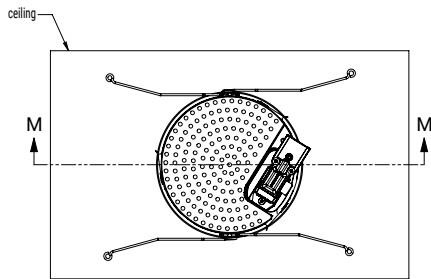
4-inch Marked spacing for 90 and 97 CRI			
Lumens	Center to Center of Adjacent Luminaire (inches)	Center Luminaire to Building Side Member (inches)	Minimum Overhead Height (inches)
5500-6500	36	18	6
7000-9500	36	18	8

Dimensional and Mounting Details



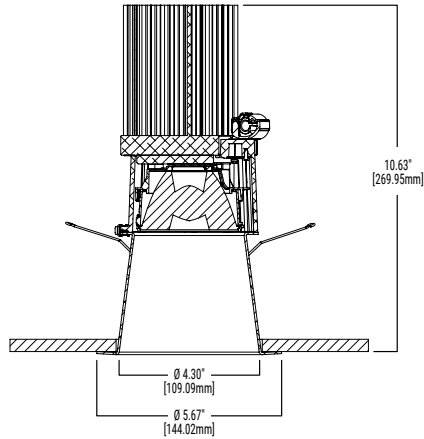
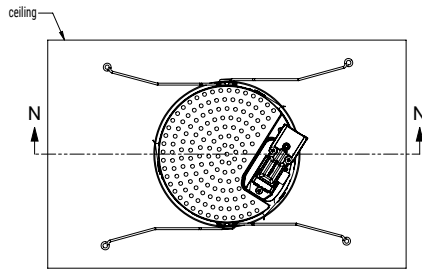
LDRT4-4LBDP

	Min-Max Lumens	Beam Angles
90/97 CRI	250-1000	10°-20°
	250-1500	25°-70°



LDRT4-4LBDP

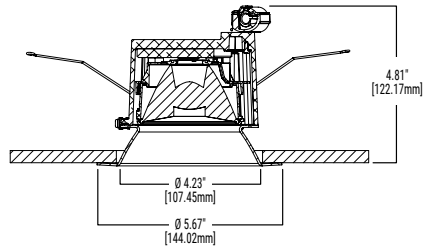
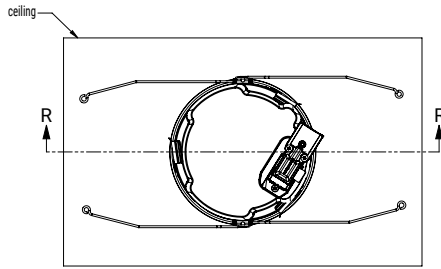
	Min-Max Lumens	Beam Angles
90/97 CRI	1500-2000	10°
	1500-3000	15°-20°
	2000-5000	25°-70°



LDRT4-4LBDP

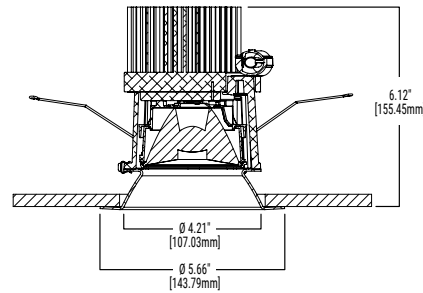
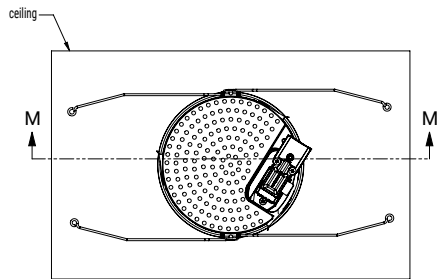
	Min-Max Lumens	Beam Angles
90/97 CRI	5500-9500	25°-70°

Dimensional and Mounting Details



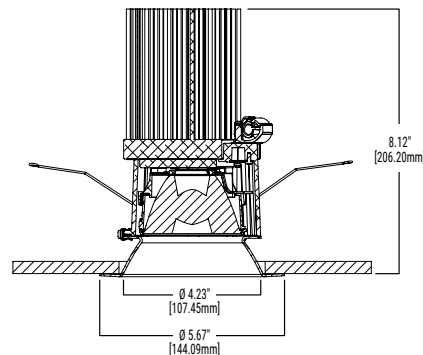
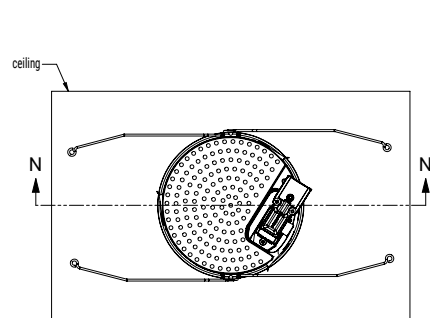
LDRT4-4LBS

	Min-Max Lumens	Beam Angles
90/97 CRI	250-1000	10°-20°
	250-1500	25°-70°



LDRT4-4LBS

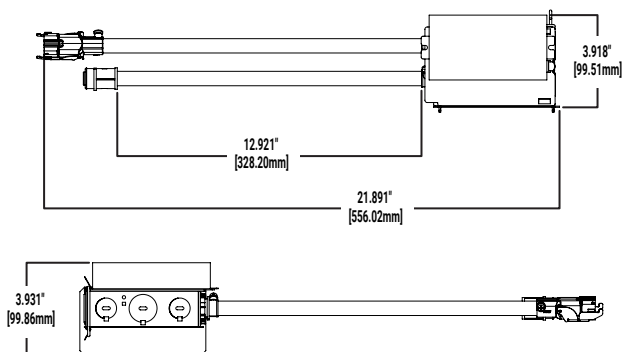
	Min-Max Lumens	Beam Angles
90/97 CRI	1500-2000	10°
	1500-3000	15°-20°
	2000-5000	25°-70°



LDRT4-4LBS

	Min-Max Lumens	Beam Angles
90/97 CRI	5500-9500	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)

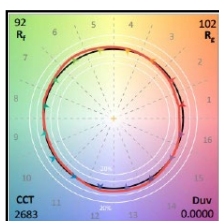
Sound Rating: Class A standards

Notes:

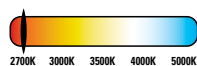
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

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

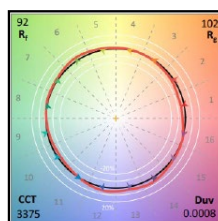
90 CRI Color Metric Summary - 2700K*



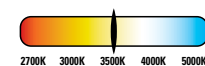
TM-30-15	Rf = 92.1
	Rg = 101.6
CRI/CIE	Ra = 93.8
	R9 = 59.7



90 CRI Color Metric Summary - 3500K*



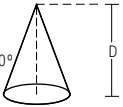
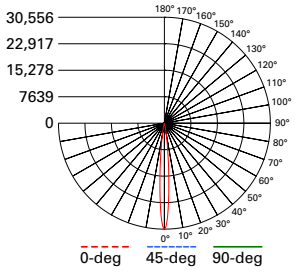
TM-30-15	Rf = 91.9
	Rg = 101.6
CRI/CIE	Ra = 93.0
	R9 = 62.8

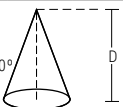
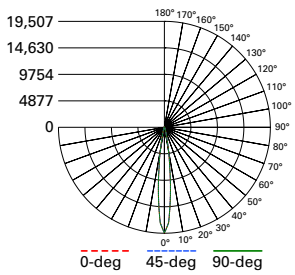


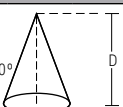
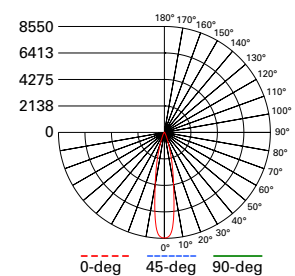
* Color values are based on haze reflector, other finishes and field results may vary.

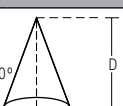
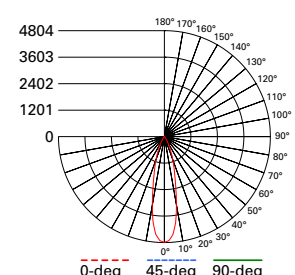
Photometric Data



10° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE	
Test Number	P735992	Downlight				Degrees Vertical	0-deg
Housing	LD4D15D010			D	FC	L	W
Module	EU4DR1015209035			6'	848.8	0.8	0.8
Trim	4LBS1MW			8'	477.4	1.2	1.2
Lumens	1403			10'	305.6	1.6	1.6
Efficacy	88.8 Lm/W			12'	212.2	1.8	1.8
SC	0.17			15'	135.8	2.4	2.4
UGR	10					80	0

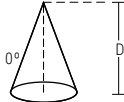
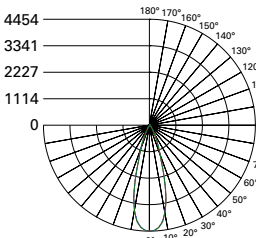
15° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE	
Test Number	P735994	Downlight				Degrees Vertical	0-deg
Housing	LD4D15D010			D	FC	L	W
Module	EU4DR1515309035			6'	541.9	1.2	1.2
Trim	4LBS1MW			8'	304.8	1.6	1.6
Lumens	1432			10'	195.1	2.2	2.2
Efficacy	90.6 Lm/W			12'	135.5	2.6	2.6
SC	0.22			15'	86.7	3.2	3.2
UGR	10					80	2

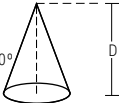
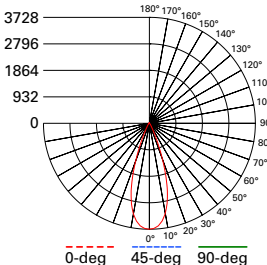
20° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE	
Test Number	P735996	Downlight				Degrees Vertical	0-deg
Housing	LD4D15D010			D	FC	L	W
Module	EU4DR2015309035			6'	237.5	2	2
Trim	4LBS1MW			8'	133.6	2.6	2.6
Lumens	1502			10'	85.5	3.4	3.4
Efficacy	95.1 Lm/W			12'	59.4	4	4
SC	0.34			15'	38	5	5
UGR	10					80	0

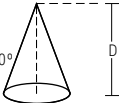
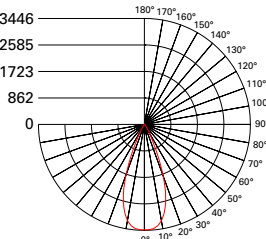
25° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE	
Test Number	P735998	Downlight				Degrees Vertical	0-deg
Housing	LD4D15D010			D	FC	L	W
Module	EU4DR250215C9035			6'	133.5	2.4	2.4
Trim	4LBS1MW			8'	75.1	3.2	3.2
Lumens	1267			10'	48	4.2	4.2
Efficacy	80.2 Lm/W			12'	33.4	5	5
SC	0.42			15'	21.4	6.2	6.2
UGR	10					80	0

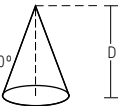
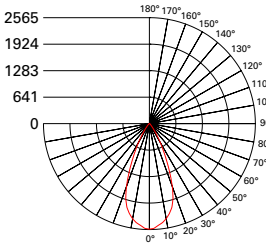
Photometric Data



30° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE																						
Test Number	P736000	Downlight						<table><tr><th>Degrees Vertical</th><th>0-deg</th></tr><tr><td>0</td><td>4454</td></tr><tr><td>5</td><td>4310</td></tr><tr><td>15</td><td>2362</td></tr><tr><td>25</td><td>555</td></tr><tr><td>35</td><td>93</td></tr><tr><td>45</td><td>24</td></tr><tr><td>55</td><td>4</td></tr><tr><td>65</td><td>1</td></tr><tr><td>75</td><td>0</td></tr><tr><td>80</td><td>0</td></tr></table>	Degrees Vertical	0-deg	0	4454	5	4310	15	2362	25	555	35	93	45	24	55	4	65	1	75	0	80	0
Degrees Vertical	0-deg																													
0	4454																													
5	4310																													
15	2362																													
25	555																													
35	93																													
45	24																													
55	4																													
65	1																													
75	0																													
80	0																													
Housing	LDRT4D15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>6'</td><td>123.7</td><td>3</td><td>3</td></tr><tr><td>8'</td><td>69.6</td><td>4</td><td>4</td></tr><tr><td>10'</td><td>44.5</td><td>5.2</td><td>5.2</td></tr><tr><td>12'</td><td>30.9</td><td>6.2</td><td>6.2</td></tr><tr><td>15'</td><td>19.8</td><td>7.8</td><td>7.8</td></tr></table>	D	FC	L	W	6'	123.7	3	3	8'	69.6	4	4	10'	44.5	5.2	5.2	12'	30.9	6.2	6.2	15'	19.8	7.8	7.8		
D	FC			L	W																									
6'	123.7			3	3																									
8'	69.6			4	4																									
10'	44.5			5.2	5.2																									
12'	30.9	6.2	6.2																											
15'	19.8	7.8	7.8																											
Module	EU4DR300215IC9035																													
Trim	4LBS1MW																													
Lumens	1385																													
Efficacy	87.7 Lm/W																													
SC	0.52																													
UGR	10																													

35° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE																							
Test Number	P736002	Downlight						<table><tr><th>Degrees Vertical</th><th>0-deg</th></tr><tr><td>0</td><td>3728</td></tr><tr><td>5</td><td>3627</td></tr><tr><td>15</td><td>2460</td></tr><tr><td>25</td><td>509</td></tr><tr><td>35</td><td>94</td></tr><tr><td>45</td><td>32</td></tr><tr><td>55</td><td>12</td></tr><tr><td>65</td><td>3</td></tr><tr><td>75</td><td>0</td></tr><tr><td>80</td><td>0</td></tr></table>		Degrees Vertical	0-deg	0	3728	5	3627	15	2460	25	509	35	94	45	32	55	12	65	3	75	0	80	0
Degrees Vertical	0-deg																														
0	3728																														
5	3627																														
15	2460																														
25	509																														
35	94																														
45	32																														
55	12																														
65	3																														
75	0																														
80	0																														
Housing	LDRT4D15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>6'</td><td>103.6</td><td>3.4</td><td>3.4</td></tr><tr><td>8'</td><td>58.2</td><td>4.6</td><td>4.6</td></tr><tr><td>10'</td><td>37.3</td><td>5.8</td><td>5.8</td></tr><tr><td>12'</td><td>25.9</td><td>7</td><td>7</td></tr><tr><td>15'</td><td>16.6</td><td>8.8</td><td>8.8</td></tr></table>				D	FC	L	W	6'	103.6	3.4	3.4	8'	58.2	4.6	4.6	10'	37.3	5.8	5.8	12'	25.9	7	7	15'	16.6	8.8	8.8
D	FC			L	W																										
6'	103.6			3.4	3.4																										
8'	58.2			4.6	4.6																										
10'	37.3			5.8	5.8																										
12'	25.9	7	7																												
15'	16.6	8.8	8.8																												
Module	EU4DR350215IC9035																														
Trim	4LBS1MW																														
Lumens	1355																														
Efficacy	85.8 Lm/W																														
SC	0.6																														
UGR	10																														

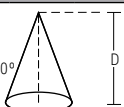
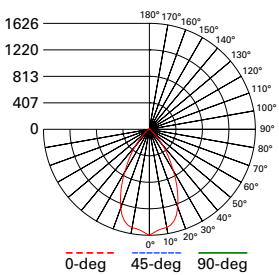
40° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE	
Test Number	P736004	Downlight				Degrees Vertical	0-deg
Housing	LDRT4D15D010			D	FC	L	W
Module	EU4DR400215IC9035			6'	95.7	4	4
Trim	4LBS1MW			8'	53.8	5.4	5.4
Lumens	1480			10'	34.5	6.6	6.6
Efficacy	93.7 Lm/W			12'	23.9	8	8
SC	0.68	15'	15.3	10	10		
UGR	10						

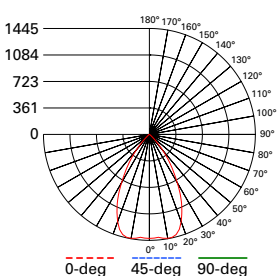
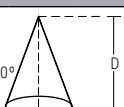
45° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION	CONE OF LIGHT	CANDELA TABLE		
Test Number	P736006	Downlight		Degrees Vertical	0-deg	
Housing	LDRT4D15D010		D	FC	L	W
Module	EU4DR450215IC9035		6'	71.3	4.4	4.4
Trim	4LBS1MW		8'	40.1	5.8	5.8
Lumens	1451		10'	25.7	7.4	7.4
Efficacy	91.8 Lm/W		12'	17.8	8.8	8.8
SC	0.75		15'	11.4	11.2	11.2
UGR	10					
				80	0	

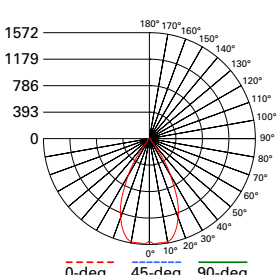
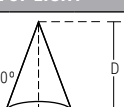
Photometric Data



50° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736008	Downlight					Degrees Vertical	0-deg	
Housing	LDRT4D15D010				D	FC	L	W	0
Module	EU4DR500215IC9035			6'	65.8	4.6	4.6	5	2336
Trim	4LBS1MW			8'	37	6.2	6.2	15	2028
Lumens	1471			10'	23.7	7.8	7.8	25	1124
Efficacy	93.1 Lm/W			12'	16.5	9.4	9.4	35	219
SC	0.8			15'	10.5	11.8	11.8	45	32
UGR	10							55	6
								65	1
								75	0
								80	0

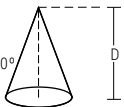
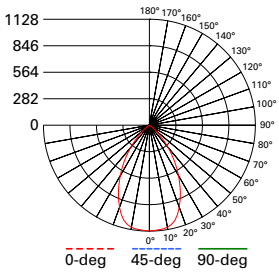
55° with 4LBS and 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736010	Downlight						Degrees Vertical	0-deg
Housing	LDRT4D15D010			D	FC	L	W	0	1626
Module	EU4DR550215IC9035			6'	45.2	5.2	5.2	5	1555
Trim	4LBS1MW			8'	25.4	7	7	15	1459
Lumens	1450			10'	16.3	8.8	8.8	25	1014
Efficacy	91.8 Lm/W			12'	11.3	10.6	10.6	35	502
SC	0.89			15'	7.2	13.2	13.2	45	127
UGR	13							55	14
								65	1
								75	0
								80	0

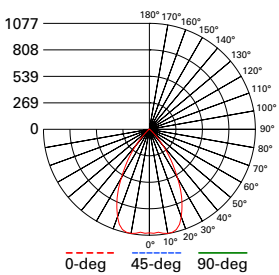
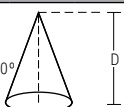
60° with 4LBS reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE		
Test Number	P736013	Downlight					Degrees Vertical	0-deg		
Housing	LDRT4D15D010				D	FC	L	W	0	1423
Module	EU4DR600215IC9035				6'	39.5	5.8	5.8	5	1414
Trim	4LBS1MW				8'	22.2	7.8	7.8	15	1418
Lumens	1422				10'	14.2	9.8	9.8	25	1042
Efficacy	90 Lm/W			12'	9.9	11.6	11.6	35	507	
SC	0.98			15'	6.3	14.6	14.6	45	104	
UGR	13							55	14	
								65	1	
								75	0	
								80	0	

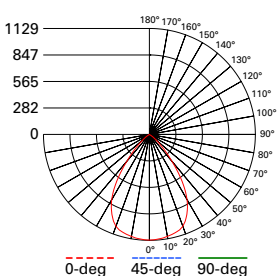
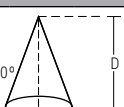
60° with 4LDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE		
Test Number	P736012	Downlight							Degrees Vertical	0-deg
Housing	LDRT4D15D010				D	FC	L	W	0	1529
Module	EU4DR600215IC9035				6'	43.5	5.2	5.2	5	1561
Trim	4LBDP1MW				8'	24.5	7	7	15	1459
Lumens	1287				10'	15.7	8.8	8.8	25	976
Efficacy	81.5 Lm/W			12'	10.9	10.6	10.6	35	299	
SC	0.91			15'	7	13.4	13.4	45	41	
UGR	14							55	34	
								65	27	
								75	17	
								80	11	

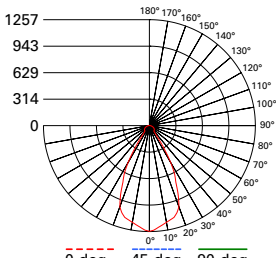
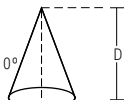
Photometric Data



65° with 4LBS reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE																									
Test Number	P736017	Downlight				Degrees Vertical	0-deg																								
Housing	LDRT4D15D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>6'</td><td>31.3</td><td>5.6</td><td>5.6</td></tr><tr><td>8'</td><td>17.6</td><td>7.6</td><td>7.6</td></tr><tr><td>10'</td><td>11.3</td><td>9.4</td><td>9.4</td></tr><tr><td>12'</td><td>7.8</td><td>11.4</td><td>11.4</td></tr><tr><td>15'</td><td>5</td><td>14.2</td><td>14.2</td></tr></table>		D	FC	L	W	6'	31.3	5.6	5.6	8'	17.6	7.6	7.6	10'	11.3	9.4	9.4	12'	7.8	11.4	11.4	15'	5	14.2	14.2	0	1128
D	FC			L	W																										
6'	31.3			5.6	5.6																										
8'	17.6			7.6	7.6																										
10'	11.3			9.4	9.4																										
12'	7.8	11.4	11.4																												
15'	5	14.2	14.2																												
Module	EU4DR650215IC9035	5	1121																												
Trim	4LBS1MW	15	1053																												
Lumens	1242	25	784																												
Efficacy	78.6 Lm/W	35	467																												
SC	0.95	45	184																												
UGR	14	55	41																												
		65	9																												
		75	2																												
		80	1																												

65° with 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE		
Test Number	P736016	Downlight							Degrees Vertical	0-deg
Housing	LDRT4D15D010				D	FC	L	W	0	1055
Module	EU4DR650215IC9035			6'	29.4	5.8	5.8	5	1052	
Trim	4LBDP1MW			8'	16.5	7.8	7.8	15	1058	
Lumens	1072			10'	10.6	9.8	9.8	25	778	
Efficacy	67.8 Lm/W			12'	7.3	11.8	11.8	35	381	
SC	0.98			15'	4.7	14.6	14.6	45	79	
UGR	14							55	13	
								65	3	
								75	2	
								80	1	

70° with 4LBS reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736021	Downlight					Degrees Vertical	0-deg	
Housing	LDRT4D15D010				D	FC	L	W	
Module	EU4DR700215IC9035				6'	31.4	6.6	6.6	
Trim	4LBS1MW				8'	17.6	8.8	8.8	
Lumens	1430				10'	11.3	11	11	
Efficacy	90.5 Lm/W			12'	7.8	13.2	13.2		
SC	1.1			15'	5	16.4	16.4		
UGR	16								
								0	1129
								5	1122
								15	1085
								25	947
								35	608
								45	208
								55	46
								65	0
								75	0
								80	0

70° with 4LBDP reflector		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE	
Test Number	P736020	Downlight					Degrees Vertical	0-deg	
Housing	LDRT4D15D010				D	FC	L	W	
Module	EU4DR700215IC9035			6'	34.9	5.2	5.2	0	1257
Trim	4LBDP1MW			8'	19.6	7	7	5	1215
Lumens	1118			10'	12.6	8.8	8.8	15	1130
Efficacy	70.7 Lm/W			12'	8.7	10.4	10.4	25	744
SC	0.88			15'	5.6	13.2	13.2	35	168
UGR	18							45	81
								55	70
								65	50
								75	27
								80	16

Photometric Data

Photometric Multipliers (Nominal Lumen Values)

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

Multipliers for relative lumen values with other series models.

CCT Multipliers – 90CRI

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

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 97CRI

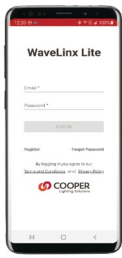
2700K	3000K	3500K	4000K	5000K
0.88	0.95	1	1.016	1.07

Multipliers for relative lumen values with other series color temperatures.

Asymmetric Film Distribution

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

Connected Systems



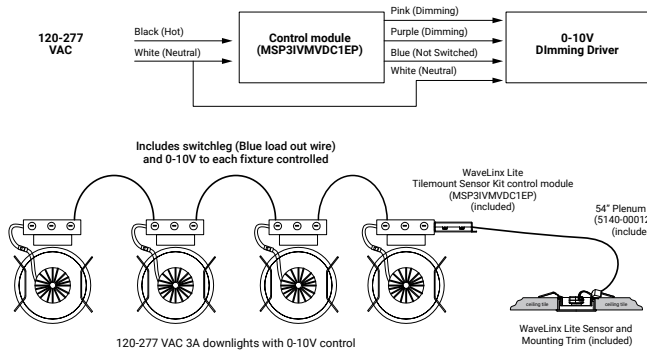
WaveLinX LITE - WLST Tilemount Sensor

WaveLinX LITE devices only compatible with the WaveLinX LITE system.

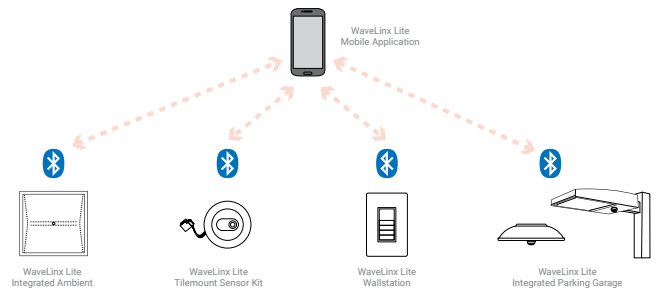
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic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



WaveLinX LITE WLST Tilemount Wiring Diagram



WaveLinX LITE Bluetooth Enabled System

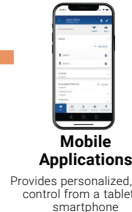
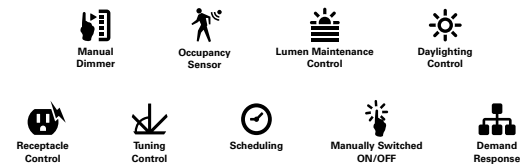


WaveLinX PRO Wireless – WPST Tilemount Sensor

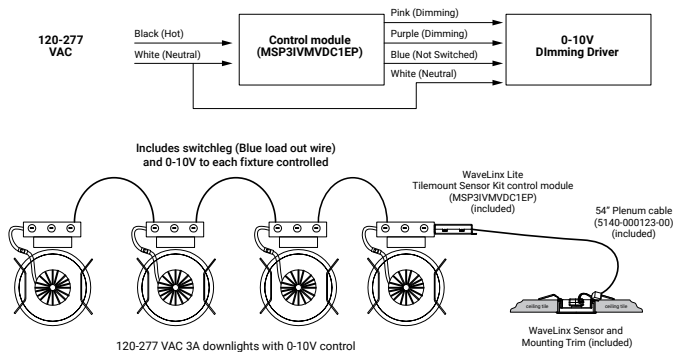
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

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

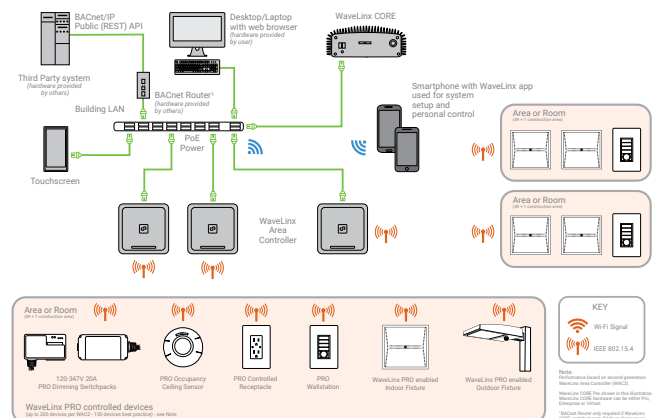
WaveLinX mobile app settings



WaveLinX PRO WPST Tilemount Wiring Diagram



WaveLinX CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

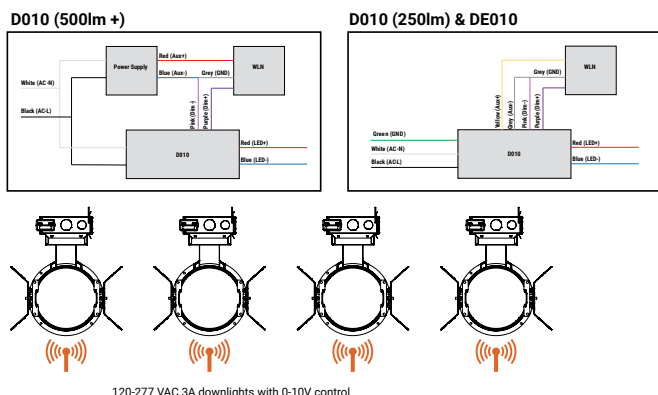
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

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

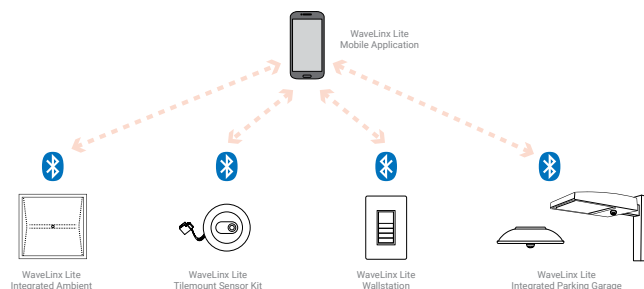
WaveLinX mobile app settings



WaveLinX LITE Wireless Node (WLN) Wiring Diagram



WaveLinX LITE Bluetooth Enabled System

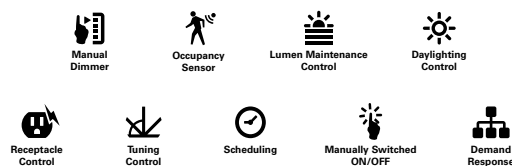


WaveLinX PRO Wireless Node - WPN

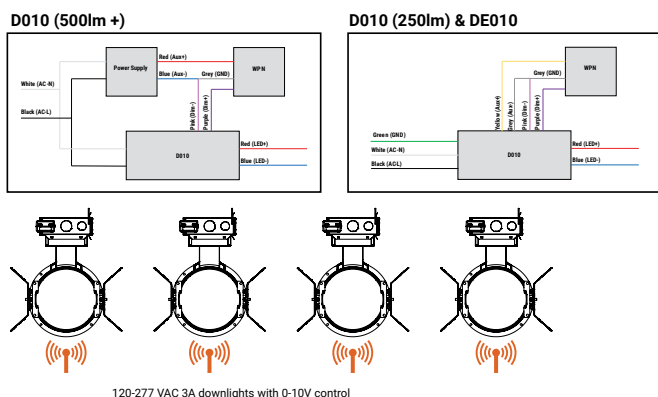
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

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

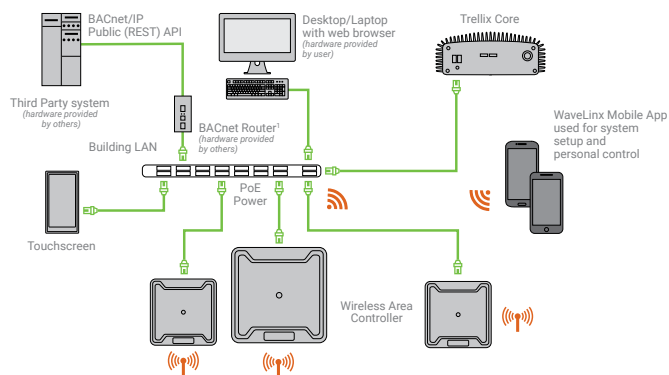
WaveLinX mobile app settings



WaveLinX PRO Wireless Node (WPN) Wiring Diagram



WaveLinX CORE Building Management Integration



Multi-line Order Information

SAMPLE ORDER NUMBER: **LDRT4D10D010TRIEM14** (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 ⁽¹⁾	Housing	Lumens ⁽²⁾		
[Blank] =Standard TAA =Trade Agreements Act	LDRT4D =LED Downlight 4" Nominal Aperture LDRT4DCP =LED Downlight 4" Nominal Aperture, Chicago Plenum	02 =250 lumens 02B =250 lumens for use with 6" optic ⁽¹⁴⁾ 05 =500 lumens 08 =800 lumens 10 =1000 lumens 15 =1500 lumens 20 =2000 lumens ⁽³²⁾ 25 =2500 lumens ⁽³²⁾	30 =3000 lumens ⁽³²⁾ 35B =3500 lumens ⁽³²⁾ 40B =4000 lumens ⁽³²⁾ 45B =4500 lumens ⁽³²⁾ 50 =5000 lumens ⁽³²⁾ 55 =5500 lumens ⁽³⁾	60 =6000 lumens ⁽³⁾ 65 =6500 lumens ⁽³⁾ 70 =7000 lumens ⁽³⁾ 75B =7500 lumens ⁽³⁾ 80B =8000 lumens ⁽³⁾ 85B =8500 lumens ⁽³⁾ 90B =9000 lumens ⁽³⁾ 95B =9500 lumens ⁽³⁾

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

Options ⁽⁶⁾ ⁽²⁹⁾ ⁽³⁰⁾ ⁽³²⁾	
EMBOD =Bodine® 7W Emergency Module with Remote Test Switch EMBOD6ST =Bodine® 6W Self Test Emergency Module with Remote Test Switch EM7 =7W Emergency Module with Remote Test Switch EM14 =14W Emergency Module with Remote Test Switch EM14RSD =14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch EMBOD7ST =Bodine® 7W Self Test Emergency Module IEMBOD =Bodine® 7W Emergency Module with Integral Test Switch ⁽²²⁾ IEM7 =7W Emergency Module with Integral Test Switch ⁽²²⁾ IEM14 =14W Emergency Module with Integral Test Switch ⁽²²⁾	IEM14RSD =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch ⁽²²⁾ IEMBOD6ST =Bodine® 6W Self Test Emergency Module with Integral Test Switch ⁽²³⁾ EMV7 =7W Low Voltage Emergency Module with Remote Test Switch ⁽⁷⁾ EMV14 =14W Low Voltage Emergency Module with Remote Test Switch ⁽⁷⁾ ETRD =Emergency transfer device ⁽³¹⁾ WPST =Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) ⁽¹¹⁾ ⁽¹³⁾ WLST =Factory installed Wavelinx LITE Sensor Kit ⁽¹¹⁾ ⁽¹²⁾ WPN =Wavelinx PRO Wireless Node without sensor ⁽³⁴⁾ WLN =Wavelinx LITE Wireless Node without sensor ⁽³⁵⁾

SAMPLE ORDER NUMBER: **EU4DR100210IC9727**

Domestic Preferences ⁽¹⁾	Power Module	Optics	Lumen Levels ⁽²⁾	CRI	Color	Media
[Blank] =Standard BAA =Buy American Act TAA =Trade Agreements Act	EU4D =4-inch Universal LED Module	X =No optic order separately ⁽³⁶⁾ R06 =6° limited to 250 lumens R08 =8° limited to 1000 lumens R10 =10° limited to 2000 lumens R15 =15° limited to 3000 lumens R20 =20° limited to 3000 lumens R25 =25° R30 =30° R35 =35° R40 =40° R45 =45° R50 =50° R55 =55° R60 =60° R65 =65° R70 =70°	For use with 6° Optic 02 =250 Lumens For use with 8° Optic 0210 =250, 500, 800, 1000 Lumens For use with 10° Optic 0210IC =250, 500, 800, 1000 Lumens IC 1520 = 1500, 2000 Lumens For use with 15° and 20° Optic 0210IC =250, 500, 800, 1000 lumens IC 1530 =1500, 2000, 2500, 3000 Lumens For use with 25° to 70° and X optic 0215IC =250, 500, 800, 1000, 1500 Lumens IC 2035 =2000, 2500, 3000, 3500 Lumens 4050 =4000, 4500, 5000 Lumens 5565 =5500, 6000, 6500 Lumens ⁽³⁾ 7095 =7000, 7500, 8000, 8500, 9000, 9500 Lumens ⁽³⁾	90 =90 CRI Minimum 97 =97 CRI Minimum	90 CRI 24 =2400K 27 =2700K 30 =3000K 35 =3500K 40 =4000K 50 =5000K	Blank =No Media Holder 2M =Media Holder included for 1 - 2 media

SAMPLE ORDER NUMBER: **4LBDP1H**

Domestic Preferences ⁽¹⁾	Trim	Reflector	Flange	Finish	Options
[Blank] =Standard BAA =Buy American Act	4LB =4" LED	DP =45° cutoff downlight S =Shallow trim CS =Cast shallow trim	0 =White polymer trim ring 1 =Self flanged ⁽¹⁸⁾ 2 =White painted self flanged	LI =Specular Clear ⁽⁹⁾ H =Semi-Specular Clear ⁽⁹⁾ WMH =Warm Haze ⁽⁹⁾ WH =Wheat ⁽⁹⁾ GPH =Graphite Haze ⁽⁹⁾ B =Specular Black ⁽⁹⁾ MW =Matte White (Antimicrobial) ⁽⁹⁾ MB =Matte Black ⁽⁸⁾ MMS =Matte Metallic Silver ⁽⁸⁾	E =Integral Emergency Test Switch Hole, for use with IEM7, IEM14, IEMBOD ⁽²²⁾ EM6 =Integral Emergency Test Switch Hole, for use with IEMBOD6ST ⁽²³⁾

Continued on next page.

Multi-line Order Information

REQUIRED if Remote Driver (R) is specified

SAMPLE ORDER NUMBER: RC10010D010TREM7

Domestic Preferences ⁽¹⁾	Remote Drivers ⁽⁶⁾	Lumens ^{(2) (14)}		
[Blank] =Standard BAA =Buy American Act TAA =Trade Agreements Act	RD100 =Remote 100ft ⁽³³⁾ RD75 =Remote 75ft ⁽³³⁾ RD50 =Remote 50ft ⁽³³⁾ RD25 =Remote 25ft RD15 =Remote 15ft RD5 =Remote 5ft RD2 =Remote 2ft	02 =250 lumens 02B =250 lumens for use with 6° optic ⁽¹⁴⁾ 05 =500 lumens 08 =800 lumens 10 =1000 lumens 15 =1500 lumens 20 =2000 lumens ⁽³²⁾	25 =2500 lumens (15° beams and above) ⁽³²⁾ 30 =3000 lumens (15° beams and above) ⁽³²⁾ 35B =3500 lumens (15° beams and above) ⁽³²⁾ 40B =4000 lumens (25° beams and above) ⁽³²⁾ 45B =4500 lumens (25° beams and above) ⁽³²⁾ 50 =5000 lumens (25° beams and above) ⁽³²⁾ 55 =5500 lumens (25° beams and above) ⁽³⁾	60 =6000 lumens (25° beams and above) ⁽³⁾ 65 =6500 lumens (25° beams and above) ⁽³⁾ 70B =7000 lumens (25° beams and above) ⁽³⁾ 75B =7500 lumens (25° beams and above) ⁽³⁾ 80B =8000 lumens (25° beams and above) ⁽³⁾ 85B =8500 lumens (25° beams and above) ⁽³⁾ 90B =9000 lumens (25° beams and above) ⁽³⁾ 95B =9500 lumens (25° beams and above) ⁽³⁾

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

Options ^{(6) (29) (30) (32)}	Controls ^{(6) (29) (30) (32)}
EMB0D =Bodine® Emergency Module with Remote Test Switch ⁽¹⁰⁾ EMB0D6ST =Bodine® 6W Self Test Emergency Module with Remote Test Switch EM7 =7W Emergency Module with Remote Test Switch EM14 =14W Emergency Module with Remote Test Switch	EMB0D7ST =Bodine® Self Test Emergency Module with Remote Test Switch ⁽¹⁰⁾ EMV7 =7W Low Voltage Emergency Module with Remote Test Switch ⁽⁷⁾ EMV14 =14W Low Voltage Emergency Module with Remote Test Switch ⁽⁷⁾ ETRD =Emergency transfer device ⁽³¹⁾
	WPST =Factory installed WaveLinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) ^{(11) (13)} WLST =Factory installed WaveLinx LITE Sensor Kit ^{(11) (12)} WPN = WaveLinx PRO Wireless Node without sensor ⁽³⁴⁾ WLN = WaveLinx LITE Wireless Node without sensor ⁽³⁵⁾

Accessories (Order separately) ⁽²⁵⁾					
TRMAP =White metal trim ring ⁽²⁴⁾ DT4RF =4" frosted acrylic ring ⁽²⁴⁾	Connected Lighting Systems ^{(6) (11) (29) (30) (32)} WPST = Field installed WaveLinx sensor Kit ⁽¹³⁾ WLST = Field installed WaveLinx LITE Sensor Kit ⁽¹²⁾ Transformers H347 =H347 for 7000 lumens and below Bar Hangers HB50 =C-channel Bar Hanger, 50" Long, Pair RMB22 =Wood Joist Bar Hanger, 22" Long, Pair	Optics 46R25 =25° 46R30 = 30° 46R35 = 35° 46R40 = 40° 46R45 = 45° 46R50 = 50° 46R55 = 55° 46R60 = 60° 46R65 = 65° 46R70 = 70°	Color Filters ⁽³⁷⁾ F22-20 =Red F33-20 =Blue F44-20 =Green F55-20 =Yellow F66-20 =Mercury	Dichronic Filters ⁽³⁷⁾ F71-20 =Peach F72-20 =Amber F73-20 =Green F74-20 =Medium Blue F75-20 =Yellow F76-20 =Red F77-20 =Dark Blue F78-20 =Light Blue F79-20 =Neutral Density F80-20 =Magenta	Beam-Modifying Lenses ⁽³⁷⁾ LSL-20 =Linear Spread Lens OSL-20 =Overall Spread Lens DIF-20 =Diffused Lens Asymmetric Film ⁽³⁷⁾ 46ASYMFILM =Asymmetric Film (see chart for distribution) Louvers ⁽³⁷⁾ LVR-20 =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 CCT and CRI.
- 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.
- Available only with DP and S 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 45D cutoff (DP) trim only. Required for use with all IEMB0D, 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 IEMB0D6ST. Not offered with 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 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.