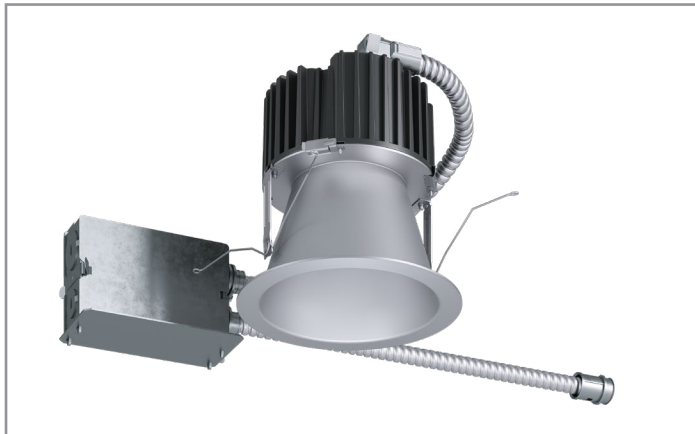


Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LDRT6D | EU6D | 6LB

6" 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

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 4](#)
- Energy Data [page 8](#)
- Photometric Data [page 9](#)
- Connected System [page 14](#)
- Product Warranty

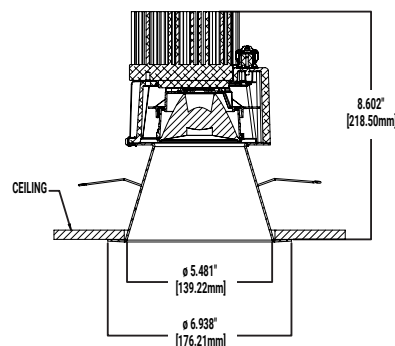
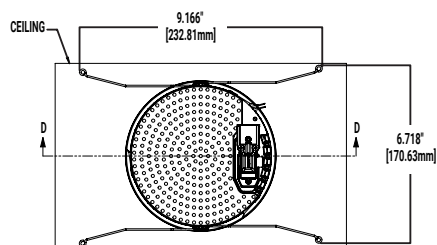


Top Product Features

- 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: **LDRT6D10R109030D010DP1H = LDRT6D10D010 + EU6DR100210IC9030 + 6LBDP1H**

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

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



Housing	Lumen ⁽¹⁾			Optic	Color Control	CCT	Optic Position
LDRT6D =LED Retrofit for 6" to 6-7/16" or 8-9/16" with ABR8P openings LDRT6D =LED Retrofit for 6" to 6-7/16" or 8-9/16" with ABR8P openings, Chicago Plenum LDRT6D =LED Retrofit for 6-1/2" to 7-1/2" openings LDRT6DCP =LED Retrofit for 6-1/2" to 7-1/2" openings, 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 ⁽¹⁰⁾⁽¹⁶⁾⁽²¹⁾ 45B =4500 lumens ⁽¹⁰⁾⁽¹⁶⁾⁽²¹⁾ 50 =5000 lumens ⁽¹⁰⁾⁽¹⁶⁾⁽²¹⁾ 55 =5500 lumens ⁽¹⁰⁾⁽²¹⁾ 60 =6000 lumens ⁽¹⁰⁾⁽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 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 ⁽⁸⁾	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⁾⁽¹⁴⁾⁽³¹⁾
DP =45° cutoff downlight S =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 ⁽⁸⁾ MMS =Matte Metallic Silver ⁽⁸⁾	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⁾ IEMBOD =Bodine® 7W Emergency Module with Integral Test Switch ⁽⁹⁾⁽²⁵⁾ IEM7 =7W Emergency Module with Integral Test Switch ⁽⁶⁾ IEM14 =14W Emergency Module with Integral Test Switch ⁽⁶⁾ IEM14RSD =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch ⁽⁶⁾ IEBOD6ST =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 ⁽³⁵⁾

Accessories (Sold separately) ⁽²²⁾						
TRM6P =White Metal Trim Ring ⁽²⁾ DT6RF =Deco Trim Ring Frosted ⁽²⁸⁾ ABR8P =Adapter Ring for 8-9/16" max opening - 9-1/4" OD (installed on retrofit ring). Use with LDRT6D as adapter ring (recommend using with self flange).	Connected Lighting Systems ⁽⁹⁾⁽¹⁵⁾⁽¹⁶⁾⁽³¹⁾ WPST = Field installed WaveLinx sensor Kit ⁽¹⁸⁾ WLST = Field installed WaveLinx LITE Sensor Kit ⁽¹⁷⁾ Transformers H347 =H347 for 90/97CRI 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:**
- Nominal Lumens will vary depending on selected CCT and CRI.
 - Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
 - Not available with Chicago Plenum.
 - ULUS listed only
 - Available with 45deg cutoff (DP) trim only. Required for use with all, IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
 - Available with 45D cutoff (DP) trim only. Not available with LI or WH finishes. Required for use with IEMBOD6ST. Not offered with remote driver.
 - Available only on CS distributions.
 - Not available on CS distributions.
 - Product is marked spacing. [Reference table on page 4.](#)
 - For use with DE010 and DSLT drivers
 - Flange is the same finish as the reflector
 - DMX fixtures default to full on upon loss of DMX signal.
 - Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
 - Non-IC
 - WLST = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)
 - WPST = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
 - Offered with 15" and above distributions.
 - WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor, Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
 - Offered with 25" and above distributions.
 - Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
 - Not available with 7000-9500 lumens, DLVP up to 3000 lumens.
 - Order with self flanged trim.
 - 120V-277V
 - Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)
 - Not available with Lutron driver
 - WLN = WaveLinx LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor, Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
 - Requires 2M designation on light engine.

Product Specifications

Lower Shielding Reflector

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

Optic

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

Trim Retention

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

Plaster Frame/Collar

- Die-cast aluminum 1 ½" deep collar
- Accommodates up to 2" ceiling thickness

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 magnetically guided snap in driver for ease of maintenance.

Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch
- Emergency Transfer Relay Device bypasses local control during a power outage
- UL 924 listed
- EM14RSD with simplified battery replacement and self diagnostics

Connected Lighting System

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

WaveLinx PRO Tilemount Sensor Kit

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

WaveLinx PRO Wireless Node

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

WaveLinx LITE Tilemount Sensor Kit

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

WaveLinx LITE Wireless Node

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

WaveLinx Tilemount Sensor Kits Application

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

Code Compliance

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

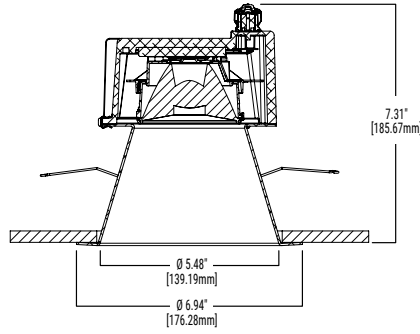
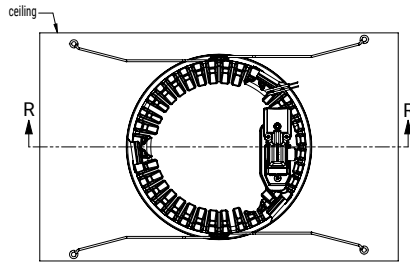
Warranty

- Five year warranty www.cooperlighting.com/legal

Marked Spacing

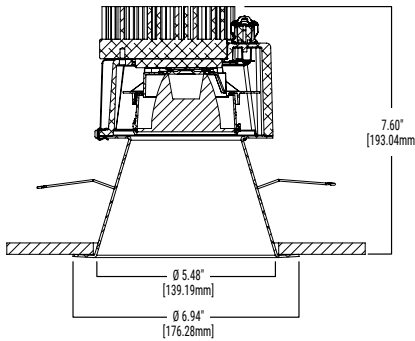
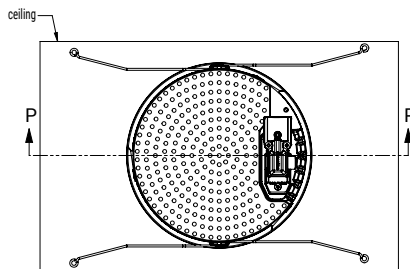
6-inch Marked spacing for 90 and 97 CRI			
Lumens	Center to Center of Adjacent Luminaire (inches)	Center Luminaire to Building Side Member (inches)	Minimum Overhead Height (inches)
5500-6500	36	18	6
7000-9500	36	18	8

Dimensional and Mounting Details



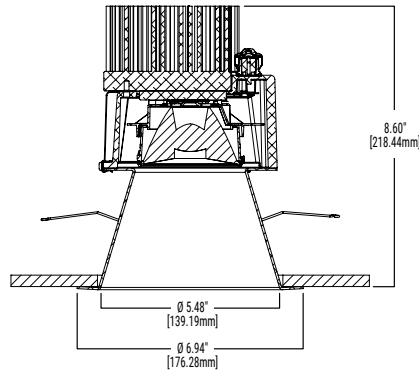
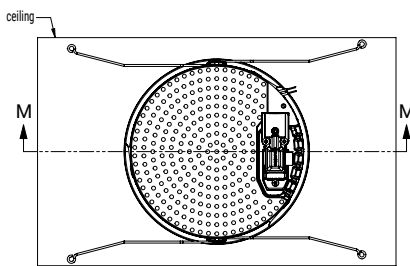
LDRT6-6LBDP

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



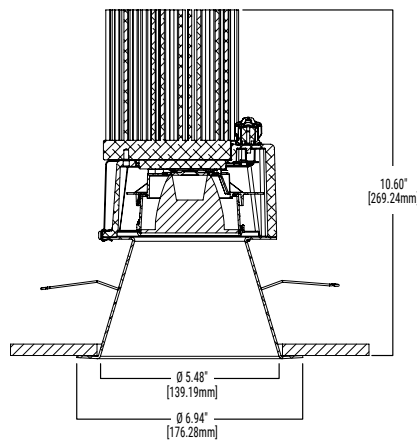
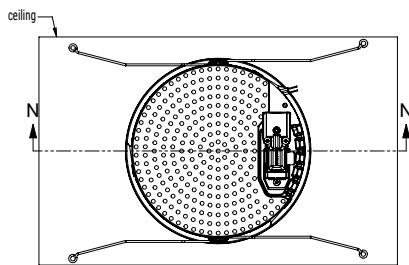
LDRT6-6LBDP

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



LDRT6-6LBDP

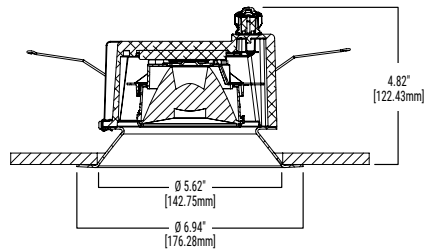
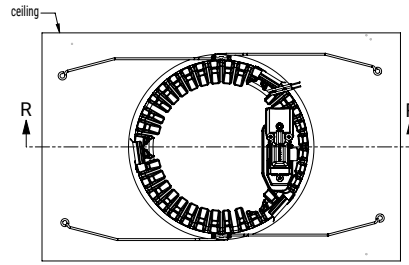
	Min-Max Lumens	Beam Angles
90/97 CRI	5500-6500	25°-70°



LDRT6-6LBDP

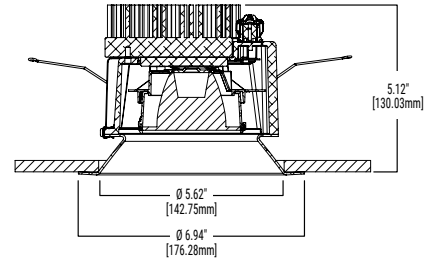
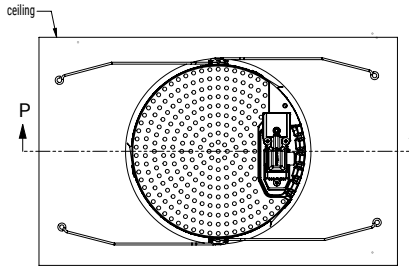
	Min-Max Lumens	Beam Angles
90/97 CRI	7000-9500	25°-70°

Dimensional and Mounting Details



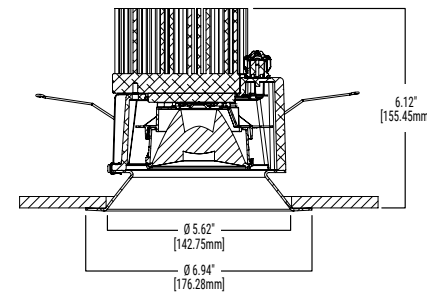
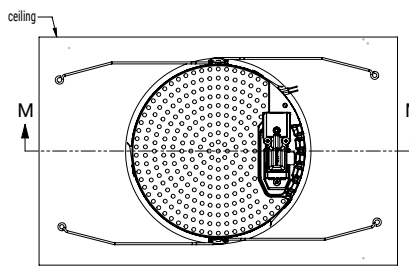
LDRT6-6LBS

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



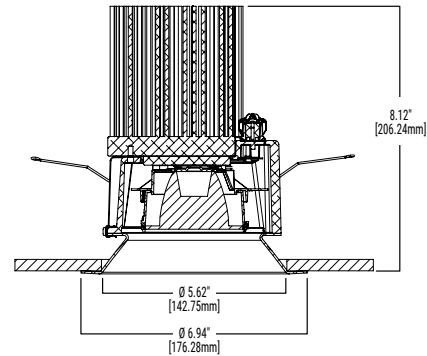
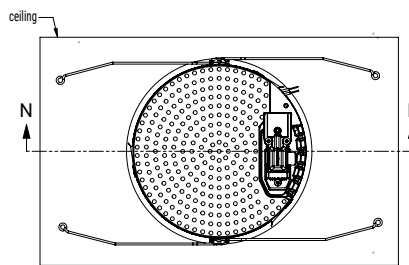
LDRT6-6LBS

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



LDRT6-6LBS

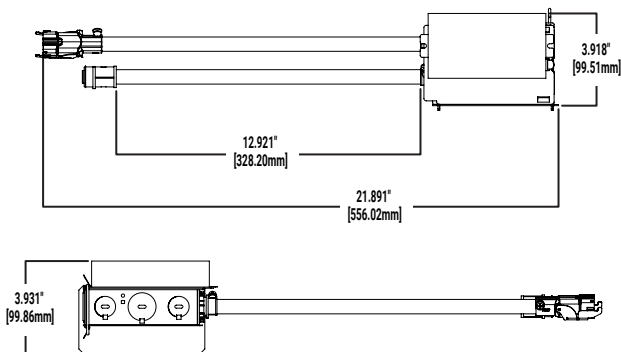
	Min-Max Lumens	Beam Angles
90/97 CRI	5500-6500	25°-70°



LDRT6-6LBS

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

Emergency Option



Trim with E option



Trim with EM6 option



LDRT6C

Manufacturer	Series	Nom. Size	Housing Aperture	Housing Catalog #	Ceiling Aperture	Retrofit Kit	Oversize Adapter Ring
Cooper	Portfolio	6	6.000	C6, MD6, H760, HD6, LD6	6" MIN 6-7/16" MAX	LDRT6D	None
	PDS	6	6.000	PD6			
Philips	Omega	6	6.250	OM6			
	Lightolier Calculite	6	6.313	S6, C6, B600			
	Capri	6	6.438	CM6			
Cooper	Portfolio	7	7.700	C7, HD7, MD7	6" MIN 8-9/16" MAX	LDRT6D	ABR8 (Accessory)
Juno	Indy Performance Series (Elate)	8	7.813	A8, C8, M8			
		8	7.813	CH8 and CV8			
		8	8.188	MX8 and TC908			
Lithonia	Gotham	8	8.438	AF and LG			
	Gotham	8	8.563	GRSF			
Philips	Omega	8	8.563	OM8			
Lithonia	Commercial	8	8.563	LF8, LP8			

LDRT67D

Manufacturer	Series	Nom. Size	Housing Aperture	Housing Catalog #	Ceiling Aperture	Retrofit Kit	Oversize Adapter Ring
Juno	Indy Performance Series (Elate)	6	6.563	A6, C6, M6	6-1/2" MIN 7-5/8" MAX	LDRT67D	ABR7 (included)
Juno		6	6.563	CH6, CV6, MX6, TC906			
Lithonia	Commercial	6	6.750	LF6, LP6			
Philips	Lightolier Lytecaster	6	6.750	1102			
Lithonia	Gotham	6	6.750	AF and LG			
Cooper	Portfolio CFL (New)	6	6.750	CD6			
Cooper	Halo	7	6.875	M700, H600, H803E			
Cooper	Halo Commercial	6	7.125	PD6 (New)			
Philips	Lightolier Calculite	7	7.500	S7 and CS7			
Cooper	PDS	7	7.625	GRSF			

Note: Retrofit kit includes oversize trim ring.

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)

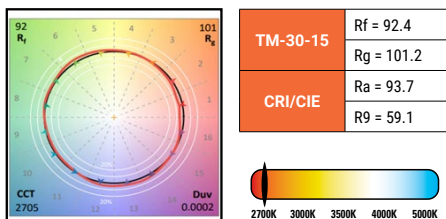
Sound Rating: Class A standards

Notes:

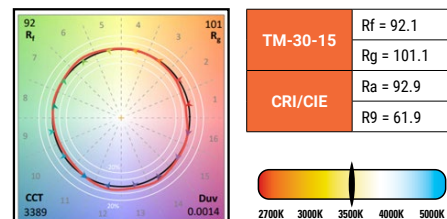
Emergency Battery packs are rated for a minimum starting temperature of 0°C.

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

90 CRI Color Metric Summary - 2700K*



90 CRI Color Metric Summary - 3500K*

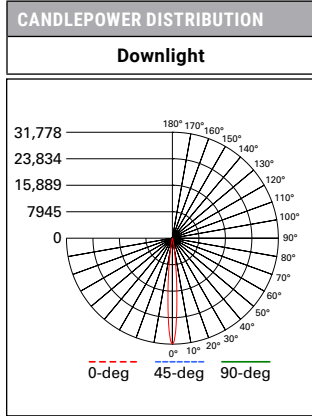


* Color values are based on haze reflector, other finishes and field results may vary.

Photometric Data

 Multipliers

10° with 6LBS and 6LBDP reflector	
Test Number	P736024
Housing	LDRT6D15D010
Module	EU6DR1015209035
Trim	6LBS1MW
Lumens	1459
Efficacy	92.4 Lm/W
SC	0.17
UGR	10



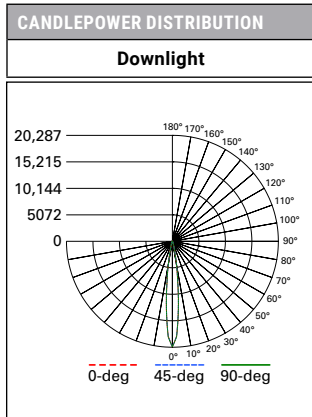
CONE OF LIGHT

D	FC	L	W
6'	882.7	0.8	0.8
8'	496.5	1.2	1.2
10'	317.8	1.6	1.6
12'	220.7	1.8	1.8
15'	141.2	2.4	2.4

CANDELA TABLE

Degrees Vertical	0-deg
0	31778
5	15012
15	820
25	166
35	58
45	22
55	7
65	0
75	0
80	0

15° with 6LBS and 6LBDP reflector	
Test Number	P736026
Housing	LDRT6D15D010
Module	EU6DR1515309035
Trim	6LBS1MW
Lumens	1489
Efficacy	94.2 Lm/W
SC	0.22
UGR	10



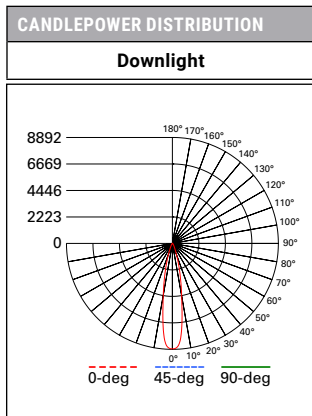
CONE OF LIGHT

D	FC	L	W
6'	563.5	1.2	1.2
8'	317	1.6	1.6
10'	202.9	2.2	2.2
12'	140.9	2.6	2.6
15'	90.2	3.2	3.2

CANDELA TABLE

Degrees Vertical	0-deg
0	20287
5	13199
15	1146
25	135
35	27
45	13
55	9
65	5
75	3
80	2

20° with 6LBS and 6LBDP reflector	
Test Number	P736028
Housing	LDRT6D15D010
Module	EU6DR2015309035
Trim	6LBS1MW
Lumens	1562
Efficacy	98.9 Lm/W
SC	0.34
UGR	10



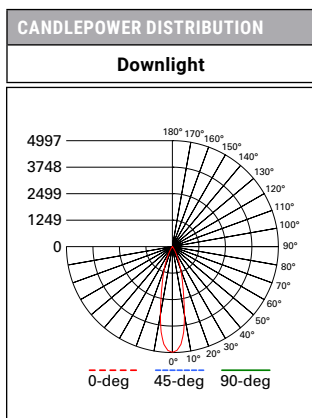
CONE OF LIGHT

D	FC	L	W
6'	247	2	2
8'	138.9	2.6	2.6
10'	88.9	3.4	3.4
12'	61.8	4	4
15'	39.5	5	5

CANDELA TABLE

Degrees Vertical	0-deg
0	8892
5	7992
15	2211
25	405
35	104
45	28
55	7
65	2
75	0
80	0

25° with 6LBS and 6LBDP reflector	
Test Number	P736030
Housing	LDRT6D15D010
Module	EU6DR2502151C9035
Trim	6LBS1MW
Lumens	1317
Efficacy	83.4 Lm/W
SC	0.42
UGR	10



CONE OF LIGHT

D	FC	L	W
6'	138.8	2.4	2.4
8'	78.1	3.2	3.2
10'	50	4.2	4.2
12'	34.7	5	5
15'	22.2	6.2	6.2

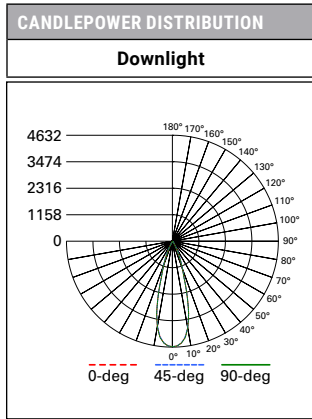
CANDELA TABLE

Degrees Vertical	0-deg
0	4997
5	4636
15	1889
25	605
35	95
45	22
55	5
65	2
75	0
80	0

Photometric Data



30° with 6LBS and 6LBDP reflector	
Test Number	P736032
Housing	LDRT6D15D010
Module	EU6DR300215IC9035
Trim	6LBS1MW
Lumens	1441
Efficacy	91.2 Lm/W
SC	0.52
UGR	10



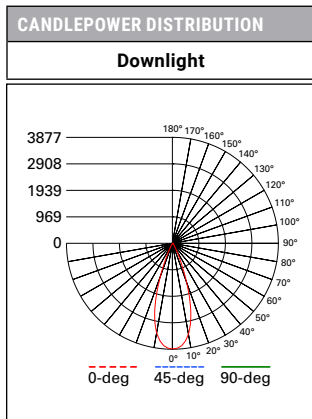
CONE OF LIGHT

D	FC	L	W
6'	128.7	3	3
8'	72.4	4	4
10'	46.3	5.2	5.2
12'	32.2	6.2	6.2
15'	20.6	7.8	7.8

CANDELA TABLE

Degrees Vertical	0-deg
0	4632
5	4482
15	2456
25	577
35	97
45	26
55	4
65	1
75	0
80	0

35° with 6LBS and 6LBDP reflector	
Test Number	P736034
Housing	LDRT6D15D010
Module	EU6DR350215IC9035
Trim	6LBS1MW
Lumens	1409
Efficacy	89.2 Lm/W
SC	0.6
UGR	10



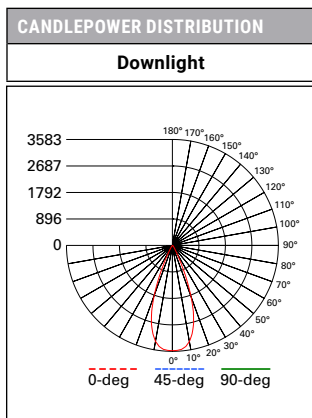
CONE OF LIGHT

D	FC	L	W
6'	107.7	3.4	3.4
8'	60.6	4.6	4.6
10'	38.8	5.8	5.8
12'	26.9	7	7
15'	17.2	8.8	8.8

CANDELA TABLE

Degrees Vertical	0-deg
0	3877
5	3772
15	2558
25	530
35	98
45	34
55	12
65	4
75	0
80	0

40° with 6LBS and 6LBDP reflector	
Test Number	P736036
Housing	LDRT6D15D010
Module	EU6DR400215IC9035
Trim	6LBS1MW
Lumens	1539
Efficacy	97.4 Lm/W
SC	0.68
UGR	10



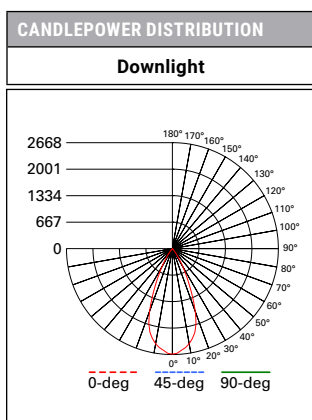
CONE OF LIGHT

D	FC	L	W
6'	99.5	4	4
8'	56	5.4	5.4
10'	35.8	6.6	6.6
12'	24.9	8	8
15'	15.9	10	10

CANDELA TABLE

Degrees Vertical	0-deg
0	3583
5	3552
15	2768
25	738
35	98
45	21
55	5
65	1
75	0
80	0

45° with 6LBS and 6LBDP reflector	
Test Number	P736038
Housing	LDRT6D15D010
Module	EU6DR450215IC9035
Trim	6LBS1MW
Lumens	1509
Efficacy	95.5 Lm/W
SC	0.75
UGR	10



CONE OF LIGHT

D	FC	L	W
6'	74.1	4.4	4.4
8'	41.7	5.8	5.8
10'	26.7	7.4	7.4
12'	18.5	8.8	8.8
15'	11.9	11.2	11.2

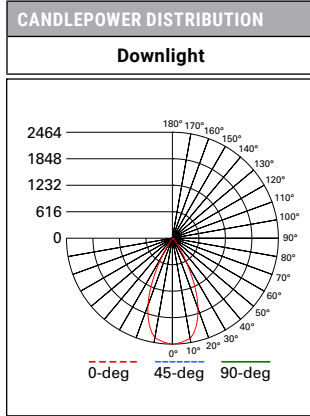
CANDELA TABLE

Degrees Vertical	0-deg
0	2668
5	2582
15	2192
25	1019
35	228
45	36
55	7
65	1
75	0
80	0

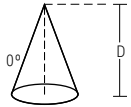
Photometric Data

 Multipliers

50° with 6LBS and 6LBDP reflector	
Test Number	P736040
Housing	LDRT6D15D010
Module	EU6DR500215IC9035
Trim	6LBS1MW
Lumens	1529
Efficacy	96.8 Lm/W
SC	0.8
UGR	10



CONE OF LIGHT

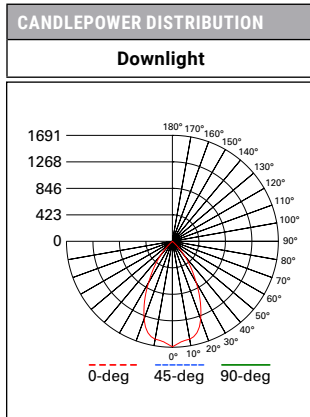


D	FC	L	W
6'	68.4	4.6	4.6
8'	38.5	6.2	6.2
10'	24.6	7.8	7.8
12'	17.1	9.4	9.4
15'	11	11.8	11.8

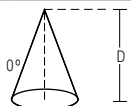
CANDELA TABLE

Degrees Vertical	0-deg
0	2464
5	2429
15	2109
25	1169
35	228
45	34
55	6
65	1
75	0
80	0

55° with 6LBS and 6LBDP reflector	
Test Number	P736041
Housing	LDRT6D15D010
Module	EU6DR550215IC9035
Trim	6LBCSSQMW
Lumens	1508
Efficacy	95.4 Lm/W
SC	0.89
UGR	12



CONE OF LIGHT

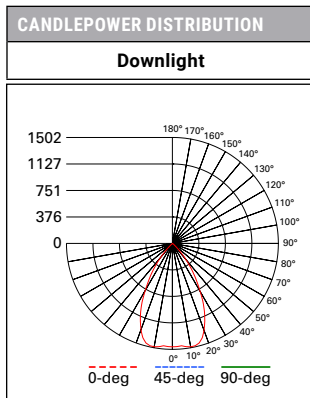


D	FC	L	W
6'	47	5.2	5.2
8'	26.4	7	7
10'	16.9	8.8	8.8
12'	11.7	10.6	10.6
15'	7.5	13.2	13.2

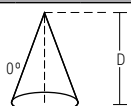
CANDELA TABLE

Degrees Vertical	0-deg
0	1691
5	1617
15	1518
25	1055
35	522
45	132
55	15
65	1
75	0
80	0

60° with 6LBS reflector	
Test Number	P736045
Housing	LDRT6D15D010
Module	EU6DR600215IC9035
Trim	6LBS1MW
Lumens	1479
Efficacy	93.6 Lm/W
SC	0.98
UGR	12



CONE OF LIGHT

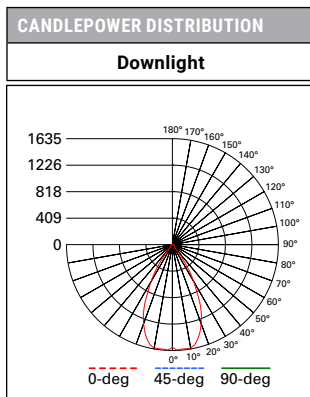


D	FC	L	W
6'	41.1	5.8	5.8
8'	23.1	7.8	7.8
10'	14.8	9.8	9.8
12'	10.3	11.6	11.6
15'	6.6	14.6	14.6

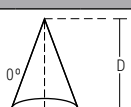
CANDELA TABLE

Degrees Vertical	0-deg
0	1480
5	1471
15	1475
25	1083
35	528
45	108
55	14
65	1
75	0
80	0

60° with 6LDP reflector	
Test Number	P736044
Housing	LDRT6D15D010
Module	EU6DR600215IC9035
Trim	6LBDP1MW
Lumens	1339
Efficacy	84.7 Lm/W
SC	0.91
UGR	13



CONE OF LIGHT



D	FC	L	W
6'	45.3	5.2	5.2
8'	25.5	7	7
10'	16.3	8.8	8.8
12'	11.3	10.6	10.6
15'	7.2	13.4	13.4

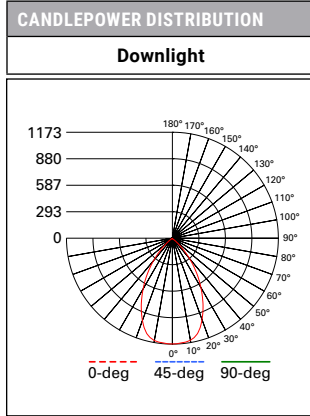
CANDELA TABLE

Degrees Vertical	0-deg
0	1590
5	1623
15	1517
25	1015
35	311
45	43
55	36
65	28
75	18
80	11

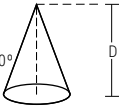
Photometric Data

 Multipliers

65° with 6LBS reflector	
Test Number	P736049
Housing	LDRT6D15D010
Module	EU6DR650215IC9035
Trim	6LBS1MW
Lumens	1292
Efficacy	81.8 Lm/W
SC	0.95
UGR	14



CONE OF LIGHT

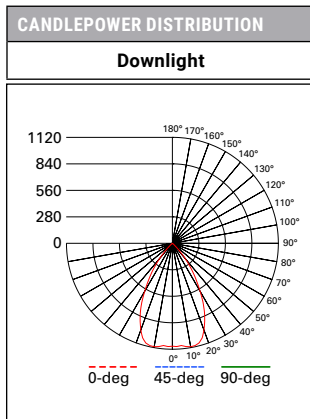


D	FC	L	W
6'	32.6	5.6	5.6
8'	18.3	7.6	7.6
10'	11.7	9.4	9.4
12'	8.1	11.4	11.4
15'	5.2	14.2	14.2

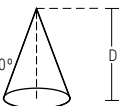
CANDELA TABLE

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

65° with 6LBDP reflector	
Test Number	P736048
Housing	LDRT6D15D010
Module	EU6DR650215IC9035
Trim	6LBDP1MW
Lumens	1115
Efficacy	70.5 Lm/W
SC	0.98
UGR	14



CONE OF LIGHT

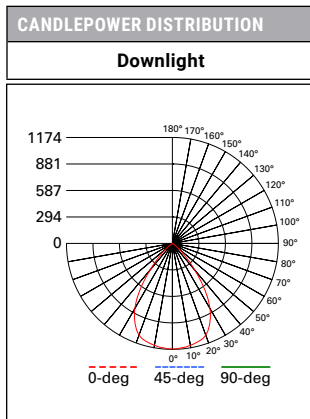


D	FC	L	W
6'	30.5	5.8	5.8
8'	17.2	7.8	7.8
10'	11	9.8	9.8
12'	7.6	11.8	11.8
15'	4.9	14.6	14.6

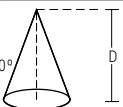
CANDELA TABLE

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

70° with 6LBS reflector	
Test Number	P736053
Housing	LDRT6D15D010
Module	EU6DR700215IC9035
Trim	6LBS1MW
Lumens	1488
Efficacy	94.1 Lm/W
SC	1.1
UGR	14



CONE OF LIGHT

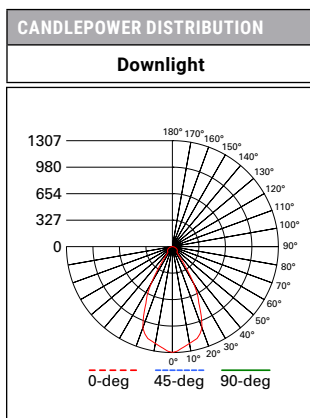


D	FC	L	W
6'	32.6	6.6	6.6
8'	18.3	8.8	8.8
10'	11.7	11	11
12'	8.2	13.2	13.2
15'	5.2	16.4	16.4

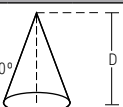
CANDELA TABLE

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

70° with 6LBDP reflector	
Test Number	P736052
Housing	LDRT6D15D010
Module	EU6DR700215IC9035
Trim	6LBDP1MW
Lumens	1162
Efficacy	73.6 Lm/W
SC	0.88
UGR	17



CONE OF LIGHT



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

CANDELA TABLE

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

Photometric Data

Photometric Multipliers (Nominal Lumen Values)

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

Multipliers for relative lumen values with other series models.

CCT Multipliers – 90CRI

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

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 97CRI

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

Multipliers for relative lumen values with other series color temperatures.

Asymmetric Film Distribution

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

Connected Solutions



WaveLinX LITE Wireless Node - WLN

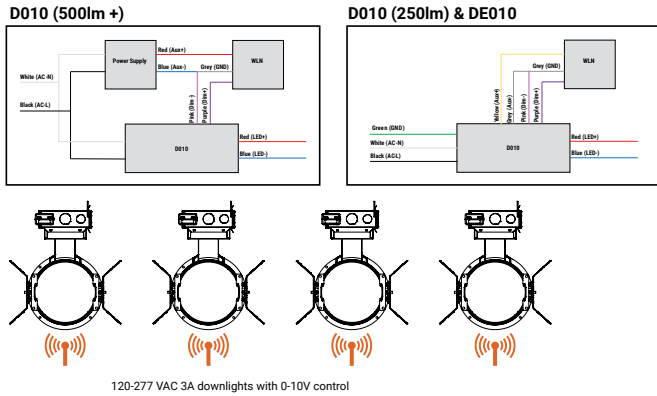
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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**

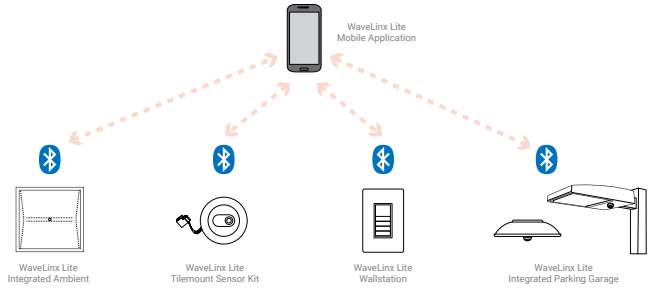
WaveLinX mobile app settings



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

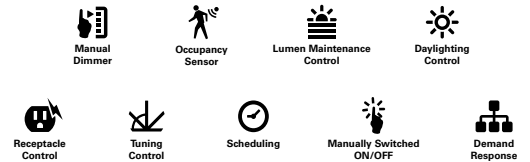
Downlights with wireless communication
Highly efficient LED fixtures

WaveLinX Area Controller
Provides centralized coordination of multiple area control options

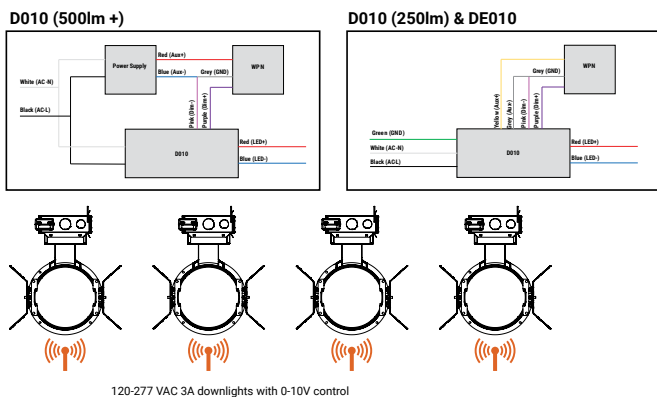
Wireless Wall Station/Receptacle
Provides customized wireless control of each area

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

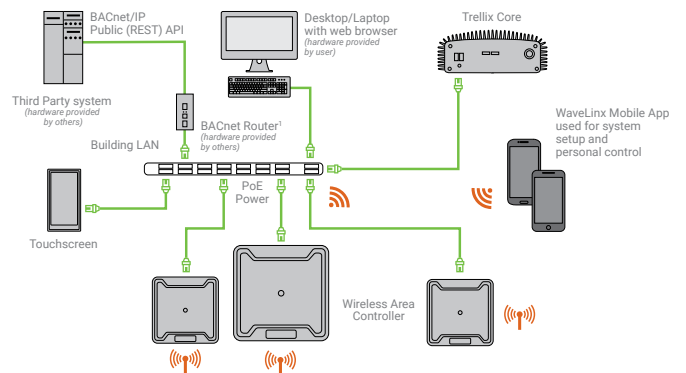
WaveLinX mobile app settings



WaveLinX PRO Wireless Node (WPN) Wiring Diagram



WaveLinX CORE Building Management Integration



Multi-line Order Information

SAMPLE ORDER NUMBER: **LDRT6D10D010TRIEM14** (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 ⁽¹⁾	Housing	Lumens ⁽²⁾		
[Blank] =Standard TAA =Trade Agreements Act	LDRT6D =LED Downlight Retrofit for 6" to 6-7/16" or 8-9/16" with ABR8P openings LDRT6DCP =LED Downlight Retrofit for 6" to 6-7/16" or 8-9/16" with ABR8P openings, Chicago Plenum LDRT67D =LED Downlight Retrofit for 6-1/2" to 7-1/2" openings ⁽²¹⁾ LDRT67DCP =LED Downlight Retrofit for 6-1/2" to 7-1/2" openings, Chicago Plenum ⁽²¹⁾	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) 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) ⁽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 ⁽¹⁰⁾ 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 ⁽¹⁰⁾ EMBOD =Bodine® 7W Emergency Module with Integral Test Switch ^{(10) (22)} EM7 =7W Emergency Module with Integral Test Switch ⁽²²⁾ EM14 =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: **EU6DR100210IC9727**

Domestic Preferences ⁽¹⁾	Power Module	Optics	Lumen Levels ⁽²⁾	CRI	Color	Media	
[Blank] =Standard BAA =Buy American Act TAA =Trade Agreements Act	EU6D =6-inch Universal LED Module	X =No optic order separately ⁽³⁵⁾ 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 2050 =2000, 2500, 3000, 3500, 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	97 CRI 27 =2700K 30 =3000K	Blank =No Media Holder 2M =Media Holder included for 1 - 2 media

SAMPLE ORDER NUMBER: **6LBDP2H**

Domestic Preferences ⁽¹⁾	Trim	Reflector	Flange	Finish	Options
[Blank] =Standard BAA =Buy American Act	6LB =6-inch LED	DP =45° cutoff downlight S =Shallow trim CS =Cast shallow trim	0 =White polymer trim ring 1 =Self flanged ⁽¹⁹⁾ 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⁾

Multi-line Order Information

REQUIRED if Remote Driver (R) is specified

SAMPLE ORDER NUMBER: **RC10010D010TREM7**

Domestic Preferences ⁽¹⁾	Remote Drivers ⁽⁶⁾	Lumens ⁽²⁾		
[Blank] =Standard BAA =Buy American Act TAA =Trade Agreements Act	RD100 =Remote 100ft ⁽⁵³⁾ RD75 =Remote 75ft ⁽⁵³⁾ RD50 =Remote 50ft ⁽⁵³⁾ 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 (25° 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) ⁽³⁴⁾	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)}
EMBOD =Bodine® Emergency Module with Remote Test Switch ⁽¹⁰⁾ EMBOD6ST =Bodine® 6W Self Test Emergency Module with Remote Test Switch EM7 =7W Emergency Module with Remote Test Switch EM14 =14W Emergency Module with Remote Test Switch	EMBOD7ST =Bodine® Self Test Emergency Module with Remote Test Switch ⁽¹⁰⁾ EM7 =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, tiemount 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⁾					
TRM6P =White Metal Trim Ring ⁽²⁶⁾ DT6RF =Deco Trim Ring Frosted ⁽²⁵⁾ ABR8P =Adapter Ring for 8-9/16" max opening - 9-1/4" OD (installed on retrofit ring). Use with LDRT6B as adapter ring (recommend using with self flange).	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 90/97CRI 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 ⁽²⁷⁾ F22-20 =Red F33-20 =Blue F44-20 =Green F55-20 =Yellow F66-20 =Mercury	Dichronic Filters ⁽²⁷⁾ 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 ⁽²⁷⁾ LSL-20 =Linear Spread Lens OSL-20 =Overall Spread Lens DIF-20 =Diffused Lens Asymmetric Film ⁽²⁷⁾ 46ASYMFILM =Asymmetric Film (see chart for distribution) Louvers ⁽²⁷⁾ 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.
- Not available on CS distributions.
- Not available with 7000, 9500 lumens DLVP up to 3000 lumens.
- Refer to system specifications for additional information features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
- WLST = WaveLinx LITE tiemount 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
- 8-9/16" requires ABR8 adapter ring.
- Available with 45D cutoff (DP) trim only. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
- Available with 45D cutoff (DP) trim only. Not available with LI or WH finishes. Required for use with IEMBOD6ST. Not offered with remote driver.
- 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.
- Requires 2M designation on light engine.