Project		Catalog #		Type	
Prepared by		**Notes**		**Date**	

Portfolio

LDS6 | EU6 | 6LBS

6" round, new construction
shallow downlight
250-4000 Lumens

Typical Applications

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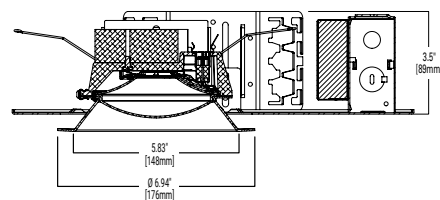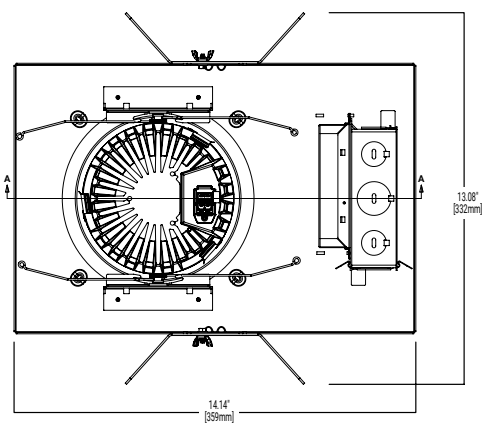
Interactive Menu

ENERGY STAR | UL CERTIFIED | Efficiency Standards T24 Can be used to comply with Title 24 Part 6 LED Enclosed Light Source Requirements (JA8) | RoHS COMPLIANT | CHICAGO PLENUM APPROVED

wet location | Showerlight | WaveLinx LITE | WaveLinx PRO | powered by fifthlight technology

BAA BUY AMERICAN ACT COMPLIANT OPTIONS AVAILABLE | TAA TRADE AGREEMENTS ACT COMPLIANT OPTIONS AVAILABLE

Top Product Features

- 250-4000 lumens; Offered in 90 and 97 CRI; ENERGY STAR® qualified
- Easy disconnect for LED engine replacement and installation
- Optional snap in driver for ease of replacement
- Standard 0-10V driver dims to 1%
- 2400K, 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- Available W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K
- Options to meet Trade Agreements Act requirements

Dimensional and Mounting Details

13.06" [332mm]

14.14" [359mm]

3.5" [89mm]

5.83" [148mm]

Ø 6.94" [176mm]

CLICK HERE
dimension information

DT6RF=6 inch frosted acrylic ring
See Accessories for Ordering

*T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

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Single Line Order Information

SAMPLE ORDER NUMBER: LDS6C109035D010CS1MW = LDS6C10D010 + EU6C10209035 + 6LBCS1MW
(all components in multiple packages in same shipment)

Invoice will indicate separate fixture components (housing, trim, module) which will ship complete from a single CLS facility in separate cartons.
To receive separate components (housing, trim, module) shipment, click on the "Multi-Line Ordering Information Option" button to the right.

> **Multi-line Ordering Information Option**

Housing	Lumen [1]		Color Control	CCT [7]	
LDS6C=LED Downlight 6" Nominal Aperture **LDS6CCP**=LED Downlight 6" Nominal Aperture, Chicago Plenum For TAA use Multi-line Ordering	**02** = 250 lumens, IC rated **05** = 500 lumens, IC rated **08** = 800 lumens, IC rated **10** = 1000 Lumens **10IC** = 1000 Lumens, IC rated **15** = 1500 Lumens **15IC** = 1500 Lumens, IC rated	**20** = 2000 Lumens **25** = 2500 lumens **30** = 3000 Lumens **35** = 3500 lumens **40** = 4000 lumens	**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

Voltage	Driver	Driver Options	Hanger Bars
Blank = 120-277V **1** = 120V Used only with remote driver 3500 and above **2** = 277V Used only with remote driver 3500 and above **3** = 347V (D010 driver 800-4000 lumens) 250 & 500 include step down transformer	**D010** = 0-10V 1% dimming 500-4000 lumens **D010TR**=0-10V or (120V) phase cut 1% dimming 250-4000 lumens **DE010** = 0-10V linear 0.1% dimming 500-4000 lumens **D5LT** = DALI T6 Logarithmic 0.1% Dimming 500-4000 lumens **DMX** = DMX/RDM Logarithmic 0.1% Dimming 800-4000 lumens [14] **DMXC5** = DMX/RDM Logarithmic 0.1% Dimming with RJ45 connection 800-4000 lumens [14] **DLE** = Lutron Ecosystem dimming 1-100% 800-4000 lumens **DLV** = Low voltage dimming 1-100% for use with DLVP system, 800-3000 lumens (not offered with plug in driver) [3]	**Blank** = Integral driver **RC100**=Remote 100ft [3] [30] **RC75**=Remote 75ft [3] [30] **RC50**=Remote 50ft [3] [30] **RC25**=Remote 25ft [3] **RC15**=Remote 15ft [3] **RC5**=Remote 5ft [3] **RC2**=Remote 2ft [3] **PD** = Plug in Driver [22]	**Blank** = Without hanger bars **B26** = C-channel Bar Hanger, 26" Long, Pair

Trim Distribution	Trim Flange	Trim Finish	Options [3] [16] [23]
S=Shallow, Spun Aluminum **PS**=Non-Conductive Shallow (dead front), white [11] [12] **CS**=Cast Shallow, Die Cast Aluminum	**0**=White Polymer Trim Ring **1**=Self-flanged [13] **2**=White Painted Self-flanged **4**=Knife edge rimless use with die cast only [8] [6]	**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) **MB**=Matte Black [8] **MMS**=Matte Metallic Silver [8]	**EMBOD6ST**=Bodine® 6W Self Test Emergency Module with Remote Test Switch **IEMBOD6ST** =Bodine® 6W Self Test Emergency Module with Integral Test Switch (offered with Shallow (S) trim) **WPN** = WaveLinx PRO Wireless Node without sensor [26] [28] **WLN** = WaveLinx LITE Wireless Node without sensor [27] [28]

Accessories (Order Separately) [20]

TRM6P=White Metal Trim Ring [2] **LGSKT6IP66**=IP66 Gasket Kit **PRR6**=Rimless Plaster Ring [2] **RKP6**=Knife Edge Plaster Ring [5]	**RPM6MW**=Rimless Millwork Ring, Matte White [2] **RPM6MB**=Rimless Millwork Ring, Matte Black [2] **RKM6MW**=Knife Edge Millwork Ring, Matte White [5] **RKM6MB**=Knife Edge Millwork Ring, Matte Black [5] **HSA6**=Slope Adapter for 6" Aperture Housings, Specify Slope [18]	**Bar Hangers** **HB50**=C-channel Bar Hanger, 50" Long, Pair **RMB22**=Wood Joist Bar Hanger, 22" Long, Pair	**Connected Lighting Systems** [3] [15] **WPST** = Field installed WaveLinx PRO Sensor Kit [25] **WLST** = Field installed WaveLinx LITE Sensor Kit [24]

Notes:
1. Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference Multiplier tables.
2. Order trim with polymer trim ring.
3. Not available with Chicago Plenum.
4. ULus listed only
5. Order die cast trim with flange type 4
6. Requires knife edge accessory ring.
8. Available only on CS distributions.
9. Not available on PS or CS distributions.
11. PS available in self-flanged MW finish only.
12. Offered up to 2000 lumens
13. Flange is the same finish as the reflector
14. DMX fixtures default to full on upon loss of DMX signal.
15. Refer to system specifications for additional information,features, and benefits. Use with 0-10V driver.
16. Non-IC

18. Not recommended for use with Wall Wash
19. 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 shallow (S) spun trim.
20. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not available with DLVP
23. 120V-277V
24. WLST = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)
25. WPST = WaveLinx PRO wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only

26. WPN = WaveLinx PRO wireless node provides luminairelevel control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with D010 or DE010 drivers only.
27. 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 D010 or DE010 drivers only.
28. Not compatible with 347V or Chicago plenum.
30. Not available with Lutron drivers

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Product Specifications

Lower Shielding Reflector
- Painted die cast aluminum, spun aluminum or non-conductive injection molded lower reflector with a lensed upper optical chamber providing superior lumen output with minimal source brightness
- Spun reflectors are offered in all Portfolio anodized finishes
- Reflector is retained with two torsion springs holding the flange tight to the finished ceiling surface
- Plaster lathing ring accessory offered for flush reflector transition

Plaster Frame
- Galvanized steel plaster frame designed for ceiling thickness from ½ to 1-1/4-inch

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

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

Thermal
- Aluminum heat sink conducts heat away from the LED module for improved performance and longer life

LED System
- Contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution without pixilation
- Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded
- Quick disconnect allows for tool-less replacement of LED engine from below ceiling
- 90 and 97 CRI
- 90 & 97CRI: L78 55,000 hours for 1000-2000 lumens, L90 55,000 for all other lumen output
- Color variation within 2-step MacAdam ellipses
- Available in 2400K, 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)

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

Driver
- Standard 120-277V 0-10V dimming driver provides flicker free dimming from 100% to 1%
- Optional 120V leading edge/0-10V, <1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem
- 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
- 6W battery provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- UL 924 listed

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

WaveLinx PRO Tilemount Sensor Kit
- WaveLinx 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 Kits Application
- The WPST and WLST tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WPST and WLST tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- **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 wet locations with covered ceiling
- IP66 rated when used with IP66 gasket kit accessory
- Use IP66 gasket with non conductive reflector for steam room applications up to 2000 lumens and 40°C.
- Optional City of Chicago environmental air (CCEA) marking for plenum applications
- FCC CFR Title 47 Part 15 Class B at 120VAC and Class A at 277VAC
- Insulated ceiling (IC) rated up to 1,500 lumens (90 and 97CRI). All others are non-IC rated (insulation must be kept 3" from top and sides of housing).
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting*
- RoHS compliant*
- Photometric testing completed in accordance with IES LM-79
- LED life testing completed in accordance with IES LM-80-08 and TM-21-11 standards

Warranty
- Five year warranty www.cooperlighting.com/legal

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*T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

PS520013EN **page 3**
February 17, 2025 1:21 PM

Energy and Performance Data

D010 DRIVER ENERGY DATA

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

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.276	0.121	0.276	0.121	0.333	0.152	0.404	0.181
Input Power (W)	32.98	32.57	32	32.57	39.83	39.84	48.38	47.94
In-rush (A)	2.5	11.8	3.6	11.8	3.1	14.3	3.1	14.5
Inrush duration (µs)	215	111	220	111	200	94	197	95
THDi (%)	9.86	6.57	5.57	6.57	4.25	10.05	5.02	7.97
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

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 - 3500K*		
	TM-30-15	Rf = 92
		Rg = 98
	CRI/CIE	Ra = 92.2
		R9 = 51.4

97 CRI Color Metric Summary - 2700K*		
	TM-30-15	Rf = 95
		Rg = 99.8
	CRI/CIE	Ra = 97.2
		R9 = 98.5

97 CRI Color Metric Summary - 3000K*		
	TM-30-15	Rf = 93.9
		Rg = 100.2
	CRI/CIE	Ra = 98.7
		R9 = 97.2
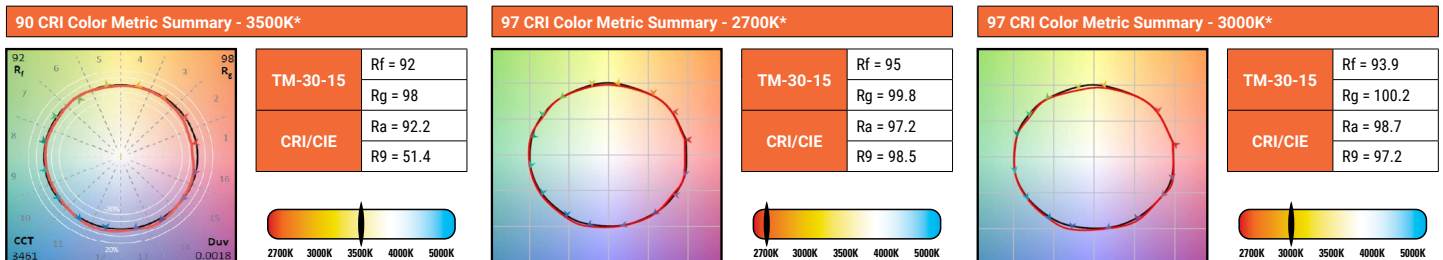
* Color values are based on haze reflector, other finishes and field results may vary.

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Photometric Data

SHALLOW 85° BEAM (H)

Test Number	P571662
Housing	LDS6C20D010
Module	EU6C10259035
Trim	6LBSH
Lumens	2151
Efficacy	98.7 Lm/W
SC	1.06

CANDLEPOWER DISTRIBUTION

Downlight

1125
844
563
281
0

0-deg   45-deg   90-deg

CONE OF LIGHT

D	FC	L	W
4'	70.3	4.2	4.2
7'	23	7.4	7.4
9'	13.9	9.4	9.4
13'	6.7	13.6	13.6
16'	4.4	16.8	16.8

CANDELA TABLE

Degrees Vertical	Candela
0	1125
5	1116
15	1021
25	864
35	694
45	526
55	343
65	168
75	40
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	790	36.7
0-40	1224	56.9
0-60	1936	90
0-90	2151	100
90-180	0	0
0-180	2151	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
37	45292
45	40764
55	32821
65	21818
75	8536
85	0

SHALLOW 70° BEAM (LI)

Test Number	P571663
Housing	LDS6C20D010
Module	EU6C10259035
Trim	6LBSLI
Lumens	2226
Efficacy	102.1 Lm/W
SC	0.91

CANDLEPOWER DISTRIBUTION

Downlight

1405
1054
703
351
0

0-deg   45-deg   90-deg

CONE OF LIGHT

D	FC	L	W
4'	87.8	3.6	3.6
7'	28.7	6.2	6.2
9'	17.3	8	8
13'	8.3	11.6	11.6
16'	5.5	14.4	14.4

CANDELA TABLE

Degrees Vertical	Candela
0	1405
5	1383
15	1175
25	913
35	695
45	523
55	338
65	163
75	38
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	879	39.5
0-40	1315	59.1
0-60	2019	90.7
0-90	2226	100
90-180	0	0
0-180	2226	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
37	45256
45	40516
55	32324
65	21170
75	8006
85	0

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
0.22	0.42	0.57	0.65	1.00	1.29	1.62	1.90	1.74	2.02

Multipliers for relative lumen values with other series models.

CCT Multipliers − 90CRI

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

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers − 97CRI

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

Multipliers for relative lumen values with other series color temperatures.

Color Finish Multipliers

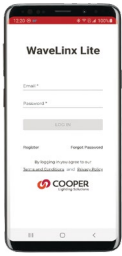| Finish code	LI	H	WMH	WH	GPH	B	MW
Finish	Specular Clear	Semi-Specular Clear	Warm Haze	Wheat	Graphite Haze	Specular Black	Matte White
Multiplier	1.22	1	1.07	1.07	0.76	0.59	1.09

Multipliers for relative lumen values with other color finishes.

Connected Systems
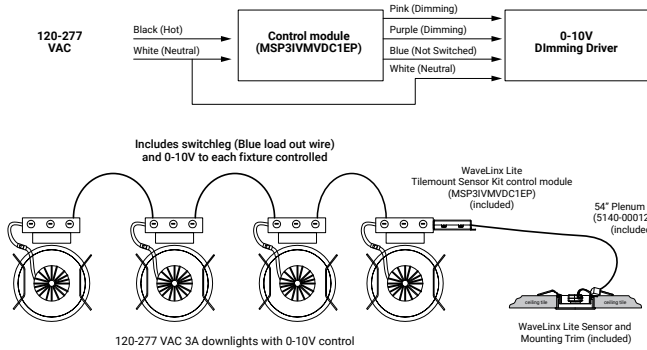
WaveLinx LITE - WLST Tilemount Sensor

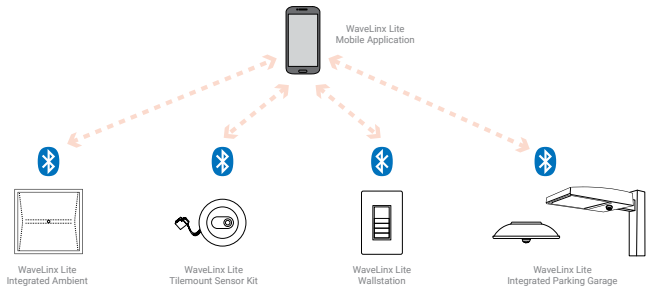**WaveLinx LITE devices only compatible with the WaveLinx LITE system.**

- 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

| Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes |

WaveLinx LITE WLST Tilemount Wiring Diagram

120-277 VAC
Black (Hot)
White (Neutral)
Control module (MSP3IVMVDC1EP)
Pink (Dimming)
Purple (Dimming)
Blue (Not Switched)
White (Neutral)
0-10V DImming Driver

Includes switchleg (Blue load out wire) and 0-10V to each fixture controlled

WaveLinx Lite Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)

54" Plenum cable (5140-000123-00) (included)

120-277 VAC 3A downlights with 0-10V control

WaveLinx Lite Sensor and Mounting Trim (included)

WaveLinx LITE Bluetooth Enabled System

WaveLinx Lite Mobile Application

WaveLinx Lite Integrated Ambient

WaveLinx Lite Tilemount Sensor Kit

WaveLinx Lite Wallstation

WaveLinx Lite Integrated Parking Garage
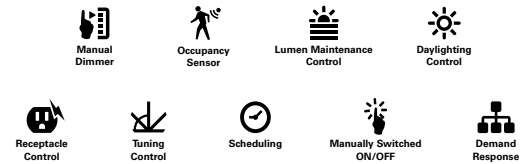
WaveLinx PRO Wireless – WPST Tilemount Sensor

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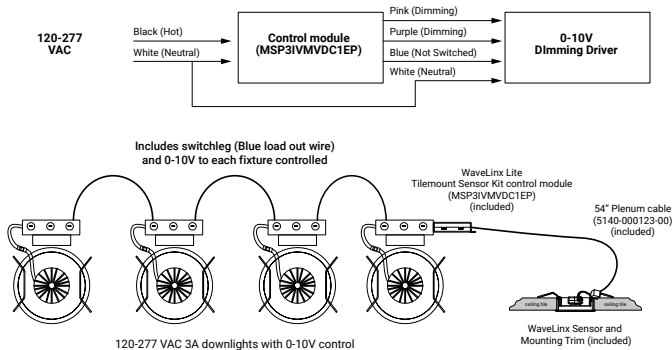
- WaveLinx PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
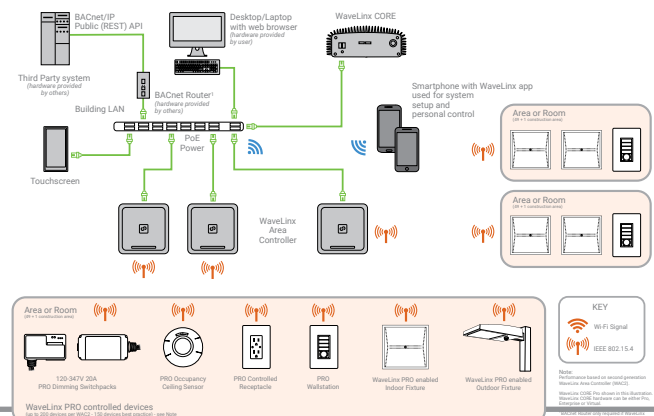- Stand-Alone Offices or Entire Building Network Installations

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

WaveLinx Area Controller
Provides centralized coordination of multiple area control options

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

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

WaveLinx mobile app settings

| Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control |
| Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response |

WaveLinx PRO WPST Tilemount Wiring Diagram

120-277 VAC
Black (Hot)
White (Neutral)
Control module (MSP3IVMVDC1EP)
Pink (Dimming)
Purple (Dimming)
Blue (Not Switched)
White (Neutral)
0-10V DImming Driver

Includes switchleg (Blue load out wire) and 0-10V to each fixture controlled

WaveLinx Lite Tilemount Sensor Kit control module (MSP3IVMVDC1EP) (included)

54" Plenum cable (5140-000123-00) (included)

120-277 VAC 3A downlights with 0-10V control

WaveLinx Sensor and Mounting Trim (included)

WaveLinx CORE Building Management Integration

BACnet/IP Public (REST) API
Desktop/Laptop with web browser (hardware provided by user)
WaveLinx CORE
Third Party system (hardware provided by others)
BACnet Router[1] (hardware provided by others)
Building LAN
PoE Power
Touchscreen
Smartphone with WaveLinx app used for system setup and personal control
Area or Room
WaveLinx Area Controller

120-347v 20A PRO Dimming Switchpacks
PRO Occupancy Ceiling Sensor
PRO Controlled Receptacle
PRO Wallstation
WaveLinx PRO enabled Indoor Fixture
WaveLinx PRO enabled Outdoor Fixture

KEY
Wi-Fi Signal
IEEE 802.15.4

WaveLinx PRO controlled devices

Connected Solutions
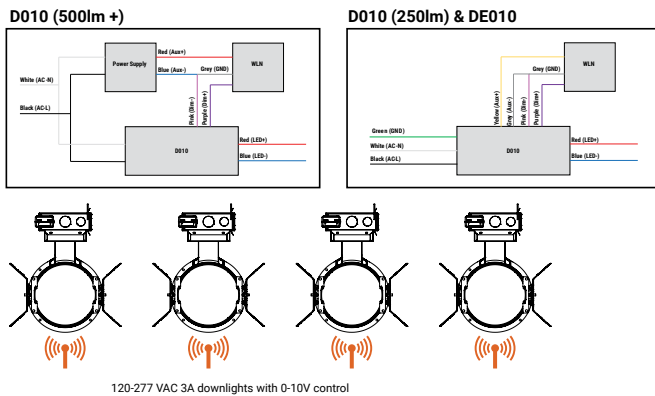
WaveLinx LITE Wireless Node - WLN

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

| Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes |

WaveLinx LITE Wireless Node (WLN) Wiring Diagram

D010 (500lm +)

D010 (250lm) & DE010

120-277 VAC 3A downlights with 0-10V control

WaveLinx LITE Bluetooth Enabled System

WaveLinx Lite Mobile Application

WaveLinx Lite Integrated Ambient

WaveLinx Lite Tilemount Sensor Kit

WaveLinx Lite Wallstation

WaveLinx Lite Integrated Parking Garage
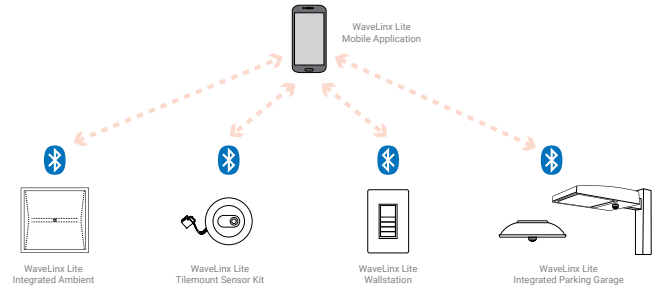
WaveLinx PRO Wireless Node - WPN

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
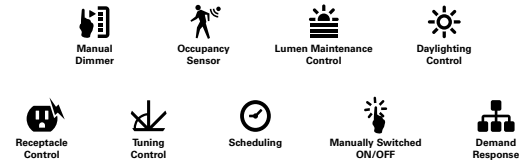- Stand-Alone Offices or Entire Building Network Installations

Downlights with wireless communication
Highly efficient LED fixtures

+

WaveLinx Area Controller
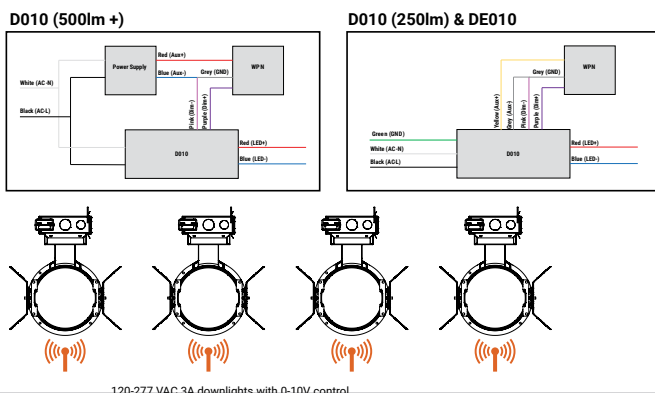Provides centralized coordination of multiple area control options

+

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

+

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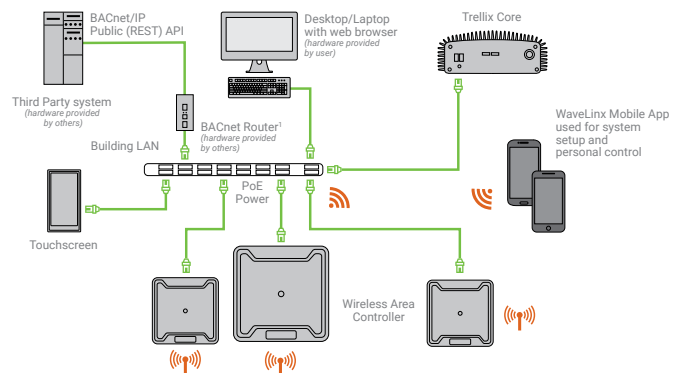Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

| Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control |
| Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response |

WaveLinx PRO Wireless Node (WPN) Wiring Diagram

D010 (500lm +)

D010 (250lm) & DE010

120-277 VAC 3A downlights with 0-10V control

WaveLinx CORE Building Management Integration

BACnet/IP Public (REST) API

Desktop/Laptop with web browser *(hardware provided by user)*

Trellix Core

Third Party system *(hardware provided by others)*

Building LAN

BACnet Router[1] *(hardware provided by others)*

PoE Power

Touchscreen

WaveLinx Mobile App used for system setup and personal control

Wireless Area Controller

COOPER
Lighting Solutions
a signify business

Multi-line Order Information

SAMPLE ORDER NUMBER: **LDS6C10D010TREM6**

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 **BAA**=Buy American Act **TAA**=Trade Agreements Act	**LDS6C**=LED Downlight 6" Nominal Aperture **LD6CCP**=LED Downlight 6" Nominal Aperture, Chicago Plenum	**02**=250 lumens **05**=500 lumens **08**=800 lumens **10**=1000 lumens **15**=1500 lumens	**20**=2000 lumens **25**=2500 lumens **30**=3000 lumens **35** = 3500 lumens **40** = 4000 lumens

Driver	Driver Options	Options [6] [25] [26] [27]
D010 = 0-10V Dimming, 1% to 100%, 120V-277V 500-4000 lumens **3D010**=0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 4000 lumens; and 500 use step down transformers **D010W** = Fixed, Wired 0-10V Dimming, 1% to 100%, 120V-277V, 500-4000 lumens **(BAA only)** **D010TR** = 0-10V Dimming, 1% to 100%, 120V-277V 250-4000 lumens **3D010TR**=0-10V Dimming, 1% to 100%, 347V step down transformer 250-4000 lumens **DE010** = 0-10V Dimming, 0.1% to 100%, 120V-277V 500-4000 lumens **3DE010**=0-10V Dimming, 0.1% to 100%, 347V step down transformer 500-4000 lumens **D5LT** = Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 120V-277V, 500-4000 lumens **3D5LT**=Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100% 347V step down transformer, 500-4000 lumens **DMX** = DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V 800-4000 lumens [5] **3DMX**=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 347V step down transformer, 800-4000 [5] **DMXC5** = DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 800-4000 lumens, RJ45 Connection [5] **3DMXC5**=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 347V step down transformer, 800-4000, RJ45 Connection [5] **DLE** = Lutron Ecosystem dimming 1% to 100%, 120V-277V, 800-3500 lumens **3DLE**=Lutron Ecosystem dimming 1% to 100%, 347, step down transformer, 800-3500 lumens **DLV** = Low voltage dimming driver (1-100%) for use with DLVP system 800-3000 lumens (Not offered with plug in driver) [6]	**Blank**=Integral driver **R**=Remote driver (order remote driver separately) (not available with CP) **PD**=Magnetic Plug in Driver [8]	**EMBOD6ST**=Bodine® 6W Self Test Emergency Module with Remote Test Switch **IEMBOD6ST** =Bodine® 6W Self Test Emergency Module with Integral Test Switch (offered with Shallow (S) trim) **WPN** = WaveLinx PRO Wireless Node without sensor [15] [31] **WLN** = WaveLinx LITE Wireless Node without sensor [30] [31]

SAMPLE ORDER NUMBER: **EU6C10259035**

Domestic Preferences [1]	Power Module	Lumen Levels [2]	CRI [14]	Color	
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**EU6C**=6-inch Universal LED Module	**0208IC**=250, 500, 800 lumens, IC Rated (For use with all drivers, min 500 lumen with DE010 and D5LT, min 800 lumens with DLVP, Lutron and DMX) **1025**= 1000, 1500, 2000, 2500 lumens **1015IC**=1000, 1500 lumens IC Rated **3040**=3000, 3500, 4000 lumens (For use with Lutron 3000-3500, DLVP 3000 lumens, DMX, D010, D010TR, D5LT and DE010 3000-4000)	**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

SAMPLE ORDER NUMBER: **6LBM2H**

Trim	Reflector	Flange	Finish
6LB=6-inch Reflector	**S**=Shallow spun aluminum **PS**=Non-Conductive Shallow (dead front), white [16] [17] **CS**=Cast shallow, die cast aluminum	**0**=White polymer trim ring **1**=Self flanged [18] **2**=White painted self flanged **4**=Knife edge rimless use with die cast only [19]	**LI**=Specular Clear [20] **H**=Semi-Specular Clear [20] **WMH**=Warm Haze [20] **WH**=Wheat [20] **GPH**=Graphite Haze [20] **B**=Specular Black [20] **MW**=Matte White **MB**=Matte Black [21] **MMS**=Matte Metallic Silver [21]

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	**RC100**=Remote 100ft **RC75**=Remote 75ft **RC50**=Remote 50ft **RC25**=Remote 25ft	**RC15**=Remote 15ft **RC5**=Remote 5ft **RC2**=Remote 2ft	**02**=250 lumens **05**=500 lumens **08**=800 lumens **10**=1000 lumens	**15**=1500 lumens **20**=2000 lumens **25**=2500 lumens	**30**=3000 lumens **35**=3500 lumens **40**=4000 lumens

Driver

D010 = 0-10V Dimming, 1% to 100%, 120V-277V, 500-3000 lumens
1D010 = 0-10V Dimming, 1% to 100%, 120V, 3500-4000 lumens
2D010 = 0-10V Dimming, 1% to 100%, 277V, 3500-4000 lumens
3D010 = 0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 4000 lumens; and 500 lumens use step down transformer

D010TR = 0-10V Dimming, 1% to 100%, 120V-277V, 250- 3000 lumens
1D010TR = 0-10V Dimming, 1% to 100%, 120V, 3500-4000 lumens
2D010TR = 0-10V Dimming, 1% to 100%, 277V, 3500-4000 lumens
3D010TR = 0-10V Dimming, 1% to 100% 347V step down transformer, 250-4000 lumens

DE010 = 0-10V Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens
1DE010 = 0-10V Dimming, 0.1% to 100%, 120V, 3500-4000 lumens
2DE010 = 0-10V Dimming, 0.1% to 100%, 277V, 3500-4000 lumens
3DE010 = 0-10V Dimming, 0.1% to 100%0-10V Dimming 347V step down transformer, 500-4000 lumens

D5LT = Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 120V-277V, 500-3000 lumens
1D5LT = Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 120V, 3500-4000 lumens
2D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100%, 277V, 3500-4000 lumens
3D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0.1% to 100% 347V step down transformer, 500-4000 lumens

DMX = DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, 800-3000 lumens [5]
1DMX=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V, 3,500-4000 [5]
2DMX=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 277V, 3,500-4000 [5]
3DMX=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 347V step down transformer, 800-4000 [5]

DMXC5 = DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V up to 800-3000 lumens, RJ45 Connection [5]
1DMXC5=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V, 3,500-4000 lumens, RJ45 Connection [5]
2DMXC5=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 277V, 3,500-4000 lumens, RJ45 Connection [5]
3DMXCF=DMX/RDM Logarithmic Dimming, 0.1% to 100%, 347V step down transformer, 800-4000 lumens, RJ45 Connection [5]

DLE = Lutron Ecosystem dimming 1% to 100%, 120V-277V, 25' Max remote length, 800-3000 lumens
1DLE=Lutron Ecosystem dimming 1% to 100%, 120V, 25' Max remote length, 3500 lumens
2DLE=Lutron Ecosystem dimming 1% to 100%, 277V, 25' Max remote length, 3500 lumens
3DLE=Lutron Ecosystem dimming 1% to 100%, 347V, step down transformer, 25' Max remote length, 800-3500 lumens

DLV = Low voltage dimming driver (1-100%) for use with DLVP system, 800-3000 lumens [6]

Options

EMBOD=Bodine® 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

EMBOD7ST=Bodine® Self Test Emergency Module
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 [28]

Controls

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 [15] [31]
WLN = WaveLinx LITE Wireless Node without sensor [30] [31]

Accessories (Order Separately) [22]

TRM6P=White Metal Trim Ring [23]
LGSKT6IP66=IP66 Gasket Kit

PRR6=Rimless Plaster Ring [23]
RKP6=Knife Edge plaster Ring [24]

RPM6MW=Rimless Millwork Ring, Matte White [23]
RPM6MB=Rimless Millwork Ring, Matte Black [23]
RKM6MW=Knife Edge Millwork Ring, Matte White [24]
RKM6MB=Knife Edge Millwork Ring, Matte Black [24]

HSA6=Slope Adapter for 6" Aperture Housings, Specify Slope [29]

Bar Hangers
TAA-HB26=C-channel Bar Hanger, 26" Long, Pair [1]
HB26=C-channel Bar Hanger, 26" Long, Pair
HB50=C-channel Bar Hanger, 50" Long, Pair
RMB22=Wood Joist Bar Hanger, 22" Long, Pair

Connected Lighting Systems [6] [11]
WPST = Field installed WaveLinx PRO Sensor Kit [13]
WLST = Field installed WaveLinx LITE Sensor Kit [12]

Notes:

1. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analysed under domestic preference requirements. Offered with shallow (S) spun aluminum.

2. Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference Multiplier tables.

5. DMX fixtures default to full on upon loss of DMX signal.

6. Not available with Chicago Plenum.

7. ULus listed only

8. Not available with DLVP

11. Refer to system specifications for additional information,features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.

12. WLST = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)

13. WPST = WaveLinx PRO wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.

14. IC rated up to 3000 lumens for 90 & 97 CRI

15. WPN = WaveLinx PRO wireless node provides luminairelevel control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with D010 or DE010 drivers only.

16. PS available in self-flanged MW finish only

17. Offered up to 2000 lumens

18. Flange is the same finish as the reflector

19. Requires knife edge ring

20. Anodized or spun reflectors

21. Die cast only

22. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

23. Order trim with polymer trim ring.

24. Order die cast trim with flange type 4

25. For remote driver order emergency module with the remote driver

26. If using remote driver order battery and controls with the remote driver.

27. 120V-277V

28. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).

29. Not recommended for use with Wall Wash

30. 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 D010 or DE010 drivers only.Use with 0-10V driver only.

31. Not compatible with 347V or Chicago plenum.

Dimensional and Mounting Details

13.08"
[332mm]

14.14"
[359mm]

3.5"
[89mm]

5.83"
[148mm]

Ø 6.94"
[176mm]

Knife edge Trim

Rimless Trim
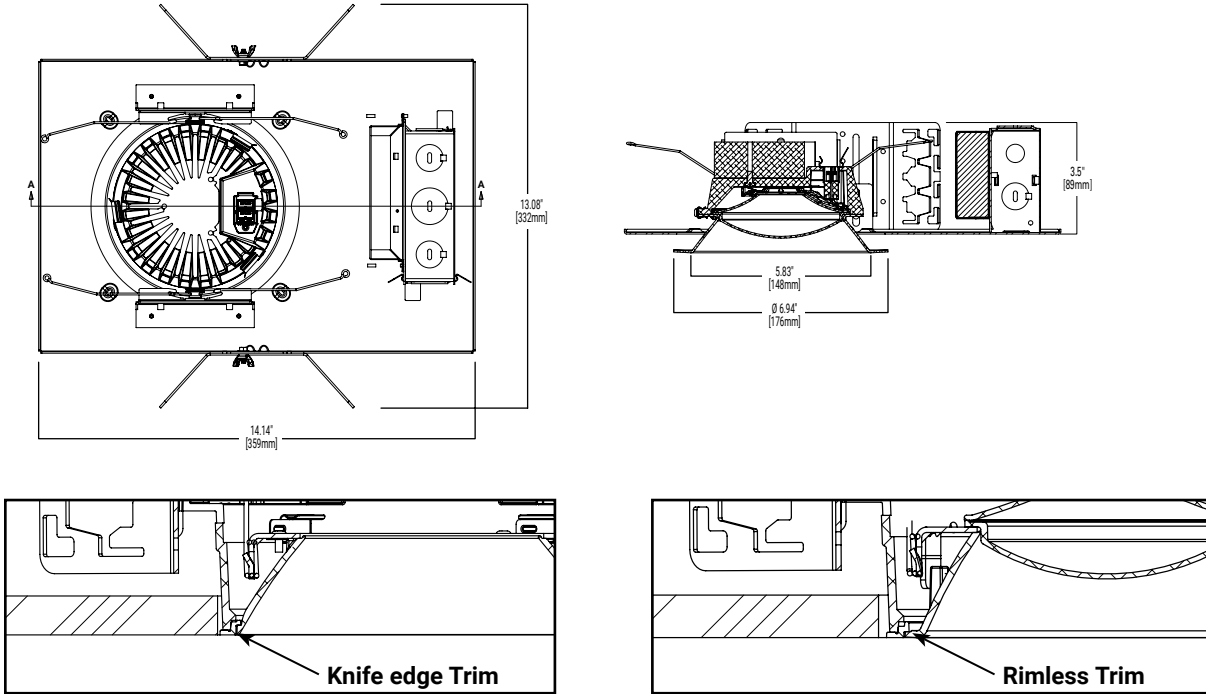
Emergency Option

Trim with E option

Trim with EM6 option

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