

Project		Catalog #		Type	
Prepared by		Notes		Date	



## PORTFOLIO

### LSR8B EC8B 8L

High Bay / Low Bay Ceiling, Pendant or Wall Mount Cylinder

#### Typical Applications

Office • Education • Healthcare • Hospitality

#### Interactive Menu

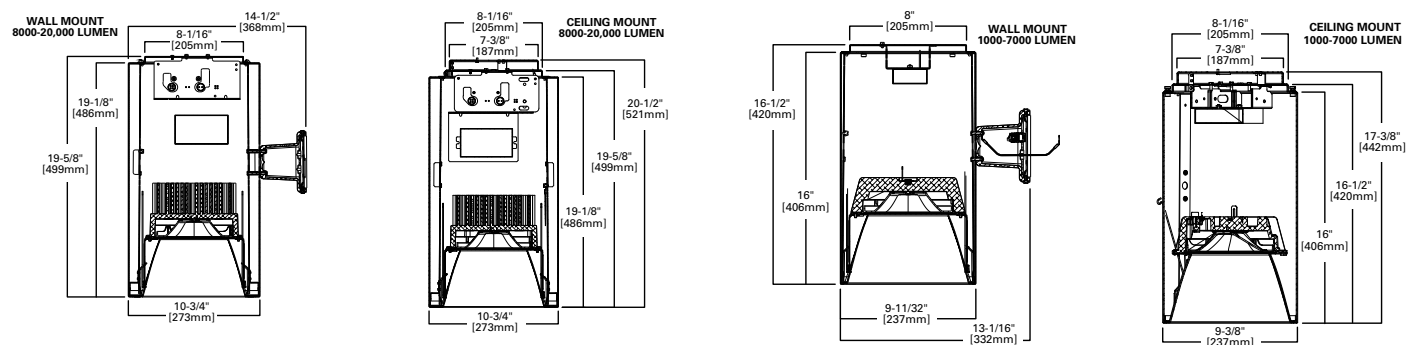
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- Product Warranty



### Top Product Features

- 1,000 to 17,500 lumens; Surface, wall or optional pendant mount
- Offered in narrow beam, medium beam and wide beam distributions; 80, 90 or 97 CRI
- 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- W2N tunable white CCT range from 2700K to 6500K or 2000K to 5000K / BioUp = 2700K to 5000K
- Two-stage reflector system produces smooth beam

### Dimensional and Mounting Details



## Order Information

SAMPLE ORDER NUMBER: **LSR8B20D010MB**

Housing	Lumens <sup>(1)</sup>	Voltage	Driver
<b>LSR8B</b> =Surface Ceiling Mount Cylinder <b>LSRWM8B</b> =Wall Mount Cylinder	<b>10</b> =1000 lumens <b>15</b> =1500 lumens <b>20</b> =2000 lumens <b>30</b> =3000 lumens <b>40</b> =4000 lumens <b>50</b> =5000 lumens <b>60</b> =6000 lumens <b>70</b> =7000 lumens <b>80</b> =8000 lumens <b>90</b> =9000 lumens <b>100</b> =10,000 lumens <b>120</b> =12,000 lumens <b>150</b> =15,000 lumens <b>175</b> = 17,500 lumens remote driver only	<b>blank</b> =120-277V <b>3</b> =347V <sup>(2)</sup>	<b>80/90/97 CRI</b> <b>D010</b> =0-10V Dimming, 1% to 100%, 120V-277V 1 Driver: 1000-7000 Lumens 2 Drivers: 8000-12,000 Lumens 3 Drivers: 15,000 Lumens and above (17,500 Lumens with remote driver only) <b>D010TR</b> =0-10V 120-277V or 120V Phase Cut Dimming, 1% to 100% 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-10,000 Lumens 3 Drivers: 12,000-15,000 Lumens <b>DE010</b> =0-10V Linear Dimming, 0.1% to 100%, 120V-277V 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DSLT</b> =Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V <sup>(3)</sup> 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection <sup>(3)</sup> 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DLE</b> =Lutron Ecosystem dimming 1% to 100% 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DLV</b> =Low Voltage System 1 Driver: 1000-3000 Lumens
			<b>Tunable white 1000-2000 (1 Driver), 3000-4000 (2 Drivers)</b> <b>DE010W2N2765</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 2700K-6500K <b>DE010W2N2050</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 2000K-5000K <b>DSLTW2N2765</b> = Fifth Light DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 2700K-6500K <b>DSLTW2N2050</b> =Fifth Light DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 2000K-5000K <b>BioUp Tunable white 1000 (1 Driver), 2000-3000 (2 Drivers)</b> <b>DE010B2750</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 2700K-5000K <b>DE010B35</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 3500K <b>DE010B40</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 4000K <b>DE010B50</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 5000K <b>DSLTB2750</b> = Fifth Light DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 2700K-5000K <b>Dim-to-Warm</b> 1 Driver: 1000-3000 Lumens 2 Drivers: 4000 and 6000 Lumens 3 Drivers: 9000 Lumens <b>D010</b> =0-10V Dimming, 1% to 100%, 120V-277V, <b>D010TR</b> =0-10V 120-277V or 120V Phase Cut Dimming, 1% to 100% <b>DE010</b> =0-10V Linear Dimming, 0.1% to 100%, 120V-277V <b>DSLT</b> =Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V <b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V <sup>(3)</sup> <b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection <sup>(3)</sup> <b>DLE</b> =Lutron Ecosystem dimming 1% to 100% <b>DLV</b> =Low Voltage System <sup>(4)</sup>

Dim to Warm	Remote	Finish <sup>(5)</sup>	Factory Installed Connected Lighting Options <sup>(3)(1)</sup> (Limited to 1 & 2 Drivers)
<b>blank</b> = For 3000 and below <b>D2W</b> = For 4000, 6000 and 9000	<b>blank</b> = Integral driver <b>R</b> = Remote driver <sup>(7)</sup>	<b>P</b> =White <b>MB</b> =Matte Black <b>SL</b> =Silver <b>BZ</b> =Bronze	<b>WPN</b> = WaveLinX PRO Wireless Node without sensor <sup>(12)(39)</sup> <b>WLN</b> = WaveLinX LITE Wireless Node without sensor <sup>(12)(40)</sup>

SAMPLE ORDER NUMBER: **ER8B30408035**

Power Module	Lumen Levels <sup>(1)</sup>	Color
<b>EC8B</b> =8" LED Module for 7000 lumen and below <b>ER8B</b> =8" LED Module for 8000 lumen and above, and with multiple drives	<b>1 Driver</b> <b>1020</b> =1000, 1500, or 2000 Lumens <b>3040</b> =3000 or 4000 Lumens <b>5070</b> =5000, 6000, or 7000 lumens <b>2 Drivers</b> <b>60</b> =6000 lumens, 2 LEDs <b>80120</b> =8000, 9000, 10000, or 12000 lumens <b>3 Drivers</b> <b>120</b> =12000 lumens, 3 LEDs <b>150200</b> =15000, or 17500	<b>80 CRI</b> <b>8027</b> = 80CRI, 2700K <b>8030</b> = 80CRI, 3000K <b>8035</b> = 80CRI, 3500K <b>8040</b> = 80CRI, 4000K <b>8050</b> = 80CRI, 5000K <b>90 CRI</b> <b>9024</b> = 90CRI, 2400K <b>9027</b> = 90CRI, 2700K <b>9030</b> = 90CRI, 3000K <b>9035</b> = 90CRI, 3500K <b>9040</b> = 90CRI, 4000K <b>9050</b> = 90CRI, 5000K <b>97 CRI</b> <b>9727</b> = 97CRI, 2700K <b>9730</b> = 97CRI, 3000K
	<b>W2N Tunable White 1 Driver</b> <b>10W2N902050</b> =1000 lumens, 90 CRI, Tunable white 2000K - 5000K <b>10W2N902765</b> =1000 lumens, 90 CRI, Tunable white 2700K - 6500K <b>15W2N902050</b> =1500 lumens, 90 CRI, Tunable white 2000K - 5000K <b>15W2N902765</b> =1500 lumens, 90 CRI, Tunable white 2700K - 6500K <b>20W2N902050</b> =2000 lumens, 90 CRI, Tunable white 2000K - 5000K <b>20W2N902765</b> =2000 lumens, 90 CRI, Tunable white 2700K - 6500K	<b>W2N Tunable White 2 Drivers</b> <b>30W2N902050</b> =3000 lumens, 90 CRI, Tunable white 2000K - 5000K <b>30W2N902765</b> =3000 lumens, 90 CRI, Tunable white 2700K - 6500K <b>40W2N902050</b> =4000 lumens, 90 CRI, Tunable white 2000K - 5000K <b>40W2N902765</b> =4000 lumens, 90 CRI, Tunable white 2700K - 6500K
	<b>Dim 2 Warm 1 Driver</b> <b>109030D2W</b> =1000 Lumen, 90 CRI, Dim 2 Warm, IC Rated <b>159030D2W</b> =1500 Lumen, 90 CRI, Dim 2 Warm, IC Rated <b>209030D2W</b> =2000 Lumen, 90 CRI, Dim 2 Warm, IC Rated <b>309030D2W</b> =3000 Lumen, 90 CRI, Dim 2 Warm	<b>Dim 2 Warm 2 Drivers</b> <b>409030D2W</b> =4000 Lumen, 90 CRI, Dim 2 Warm <b>609030D2W</b> =6000 Lumen, 90 CRI, Dim 2 Warm
	<b>BioUp Tunable white 1 Driver</b> <b>10B2750</b> =1000 lumens, 2700K-5000K <b>10B35</b> =1000 lumens, 3500K <b>10B40</b> =1000 lumens, 4000K <b>10B50</b> =1000 lumens, 5000K	<b>BioUp Tunable white 2 Drivers</b> <b>20B2750</b> =2000 lumens, 2700K-5000K <b>20B35</b> =2000 lumens, 3500K <b>20B40</b> =2000 lumens, 4000K <b>20B50</b> =2000 lumens, 5000K <b>30B2750</b> =3000 lumens, 2700K-5000K <b>30B35</b> =3000 lumens, 3500K <b>30B40</b> =3000 lumens, 4000K <b>30B50</b> =3000 lumens, 5000K

continued on next page

Order Information

REQUIRED if Remote Driver (R) is specified on Cylinder

Remote Drivers <sup>(9)</sup>	Lumens	Voltage	Driver
<b>R100</b> =Remote 100 ft <b>R75</b> = Remote 75ft <b>R50</b> = Remote 50 ft <b>R25</b> = Remote 25ft <b>R15</b> = Remote 15ft <b>R5</b> = Remote 5ft <b>R2</b> = Remote 2 ft	<b>10</b> =1000 lumens <b>15</b> =1500 lumens <b>20</b> =2000 lumens <b>30</b> =3000 lumens <b>40</b> =4000 lumens <b>50</b> =5000 lumens <b>60</b> =6000 lumens <b>70</b> =7000 lumens <b>80</b> =8000 lumens <b>90</b> =9000 lumens <b>100</b> =10,000 lumens <b>120</b> =12,000 lumens <b>150</b> =15,000 lumens <b>175</b> = 17,500 lumens	<b>blank</b> =120-277V <sup>(10)</sup> <b>1</b> =120V <b>2</b> =277V <b>3</b> =347V	<b>90/97 CRI</b> <b>D010</b> =0-10V Dimming, 1% to 100%, 120V-277V, 1 Driver: 1000-7000 Lumens 2 Drivers: 8000-12,000 Lumens 3 Drivers: 15,000 Lumens and above (17,500 Lumens with remote driver only) <b>D010TR</b> =0-10V 120-277V or 120V Phase Cut Dimming, 1% to 100% 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-10,000 Lumens 3 Drivers: 12,000-15,000 Lumens <b>DE010</b> =0-10V Linear Dimming, 0.1% to 100%, 120V-277V 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DSL</b> =Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V <sup>(8)</sup> 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection <sup>(8)</sup> 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DLE</b> =Lutron Ecosystem dimming 1% to 100% 1 Driver: 1000-5000 Lumens 2 Drivers: 6000-9000 Lumens 3 Drivers: 12,000 Lumens <b>DLV</b> =Low Voltage System 1 Driver: 1000-3000 Lumens  <b>Tunable white 1000-2000 (1 Driver), 3000-4000 (2 Drivers)</b> <b>DE010W2N2765</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 2700K-6500K <b>DE010W2N2050</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 2000K-5000K <b>DSL2W2N2765</b> = Fifth Light DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 2700K-6500K <b>DSL2W2N2050</b> =Fifth Light DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 2000K-5000K  <b>BioUp Tunable white 1000 (1 Driver), 2000-3000 (2 Drivers)</b> <b>DE010B2750</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 2700K-5000K <b>DE010B35</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 3500K <b>DE010B40</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 4000K <b>DE010B50</b> = 0-10V dimming, 0.1% to 100%, 120-277V, 5000K <b>DSL2B2750</b> = Fifth Light DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V, 2700K-5000K  <b>Dim-to-Warm</b> 1 Driver: 1000-3000 Lumens 2 Drivers: 4000 and 6000 Lumens 3 Drivers: 9000 Lumens <b>D010</b> =0-10V Dimming, 1% to 100%, 120V-277V, <b>D010TR</b> =0-10V 120-277V or 120V Phase Cut Dimming, 1% to 100% <b>DE010</b> =0-10V Linear Dimming, 0.1% to 100%, 120V-277V <b>DSL</b> =Fifth Light® DALI DT6 Logarithmic Dimming, 0.1% to 100%, 120V-277V <b>DMX</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V <sup>(8)</sup> <b>DMXC5</b> =DMX/RDM Logarithmic Dimming, 0.1% to 100%, 120V-277V, with RJ45 connection <sup>(8)</sup> <b>DLE</b> =Lutron Ecosystem dimming 1% to 100% <b>DLV</b> =Low Voltage System <sup>(4)</sup>

Options	Controls
<b>EM7</b> =7W emergency module with remote test switch <b>EM14</b> =14W emergency module with remote test switch <b>EMBOD</b> =7W Bodine® Emergency Module with Remote Test Switch <b>EMV7</b> =7W emergency module for use with DLV driver with remote test switch <b>EMV14</b> =14W emergency module for use with DLV driver with remote test switch	<b>WPST</b> =Factory installed Wavelinx PRO (includes control module, sensor, cable, tile mount and ceiling mount sensor) <sup>(12)(16)</sup> <b>WLST</b> =Factory installed WaveLinX LITE Sensor Kit <sup>(12)(17)</sup> <b>WPN</b> = WaveLinX PRO Wireless Node without sensor (not compatible with 3 drivers) <sup>(12)(39)</sup> <b>WLN</b> = WaveLinX LITE Wireless Node without Sensor (not compatible with 3 drivers or Tuneable White) <sup>(12)(40)</sup>

SAMPLE ORDER NUMBER: 8LBM3LI

Trim	Distribution <sup>(13)</sup>	Flange	Finish
<b>8LB</b> =8" Reflector	<b>N</b> =Narrow Spun Aluminum <b>M</b> =Medium Spun Aluminum <b>W</b> =Wide Spun Aluminum <b>S</b> =Shallow Spun Aluminum <b>SW</b> =Single Wall Wash, Spun Aluminum <b>DW</b> =Double Wall Wash, Spun Aluminum	<b>3</b> =Rimless	<b>LI</b> =Specular Clear <b>H</b> =Semi-Specular Clear <b>WMH</b> =Warm Haze <b>WH</b> =Wheat <b>GPH</b> =Graphite Haze <b>B</b> =Specular Black <b>MW</b> =Matte White

	NOMINAL BEAM ANGLES WITH LI FINISH			
	Narrow	Medium	Wide	Shallow
1000-7000	15	40	73	86
8000-12000	30	44	73	86
15000-20000	34	46	73	86

Order Information

Accessories	Type	Lengths
<b>Pendant Kit</b> <sup>(19)</sup> <b>P836P</b> =White pendant stem kit <b>P836BZ</b> =Bronze pendant stem kit <b>P836MB</b> =Matte black pendant stem kit <b>P836SL</b> =Silver pendant stem kit	<b>Blank</b> =5 conductor for use with 0-10V driver <b>3C</b> =3 conductor for use with 120 or 277V <b>5C</b> = 5 conductor for use with D5LT drivers <b>DMX</b> =No conductors for use with DMX <b>RM</b> = for Remote drivers	<b>Blank</b> =36" <b>SP</b> *=* Specify 6" to 144" in 1" increments
<b>Conduit Pendant Kit</b> <b>PMRCC6P</b> = Round pendant stem kit with conduit knockout cover, white <b>PMRCC6MB</b> = Round pendant stem kit with conduit knockout cover, black <b>PMRCC6BZ</b> = Round pendant stem kit with conduit knockout cover, bronze <b>PMRCC6SL</b> = Round pendant stem kit with conduit knockout cover, silver		<b>Blank</b> =36" <b>SP</b> *=* Specify 6" to 144" in 1" increments
<b>Aircraft cable</b> <b>AC120P</b> =120" white aircraft cable kit <b>AC48P</b> =48" white aircraft cable kit <b>AC120MB</b> =120" black aircraft cable kit <b>AC48MB</b> =48" black aircraft cable kit	<b>Blank</b> =5 conductor <b>DMXC5</b> =DMX/RDM logarithmic Dimming with RJ45 connection	

- Notes**
- Nominal Lumens will vary depending on selected color, driver and reflector finish.
  - 347V integral D010 only.
  - DMX fixtures default to full on upon loss of DMX signal.
  - For D2W up to 3000 lumens.
  - Not for use with D2W.
  - Limited to 3000 Lumens
  - Order remote driver separately. See below to order.
  - Consult factory for custom finishes
  - Lutron driver limited to 25'
  - 3000 and below. Up to 3000 lumens does not need voltage specified.
  - Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory.
  - Beam angles are nominal with LI finish trims.
  - 0-45° slope
  - WLST = WaveLinX LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX LITE system specifications)
  - WPST = WaveLinX PRO wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only
  - 120V-277V
  - 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 D010 or DE010 drivers 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 D010 or DE010 drivers only.

## Product Specifications

### Lower Reflector

- Self-flanged, spun 0.062" thick aluminum lower reflector with a lensed upper optical chamber provides superior lumen output with minimal source brightness

### Trim Retention

- Two torsion springs hold flange tightly to the cylinder lip

### Housing

- Round seamless .060" thick spun aluminum housing
- White, bronze, silver or matte black. Consult factory for custom finishes
- Available in standard and shallow heights

### Mounting

- Ceiling mounting plate installs to mounted junction box
- Cylinder mounts to plate with easy twist and lock hooks for ceiling mount
- For wall mount, mounting bracket plate attaches directly to wall-mounted junction box
- Optional pendant kits allow unit to be stem hung on ceilings with up to 45° slope

### LED System

- Contains a plurality of high brightness white LED's combined with high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation
- Lumen output shall not decrease by more than 10% over the minimum life of 55,000 hours (L90 > 55,000 hours)
- Color variation within 2-step MacAdam ellipses
- Flexible disconnect allows for tool-less replacement of LED engine from below ceiling
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Available in 80, 90 or 97 color rendering index (CRI)

### VividTune™ Color Tuning Solutions

- **D2W™** – Dim-to-Warm shifts CCT from 3000K to 1850K as fixture dims, mimicking halogen sources
- **W2N** – Tunable white CCT range from 2700K to 6500K or 2000K to 5000K; 90 CRI
- **BioUp** - Tunable white CCT range 2700K to 5000K Provides the biological effectiveness of natural sunlight, with color temperatures that are more comfortable for indoor environments

### Driver

- Combination 0-10V trailing edge driver provides flicker-free dimming from 100% to 10%
- Optional 1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem
- 1,000 - 7,000 lumens utilize one driver; 8,000 - 12,000 lumens utilize two drivers; 15,000 lumens utilize three drivers; reference ordering information for other variations
- Remote driver option up to 100' based on driver selection
- Distributed low voltage power system combines power, lighting, and controls with ease of installation.

### Connected Lighting System Options

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.**

### Compliance

- Pendant and wall mount cULus Listed for damp locations
- 8000-17,500 Lumens cULus Listed for damp locations
- Ceiling surface mount (up to 7000 Lumens) cULus Listed for protected wet locations with covered ceiling
- cULus listed for 25° C ambient environments
- EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits
- RoHS compliant
- Photometric testing completed in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- DesignLights Consortium® Qualified and classified for DLC Standard (refer to [www.designlights.org](http://www.designlights.org))

### Warranty

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

Color Metric Summary

8027		8030		8035		8040		8050	
R <sub>f</sub>	93.2	R <sub>f</sub>	83.4	R <sub>f</sub>	83.7	R <sub>f</sub>	83.3	R <sub>f</sub>	82.5
R <sub>g</sub>	94.1	R <sub>g</sub>	94.4	R <sub>g</sub>	94.8	R <sub>g</sub>	94	R <sub>g</sub>	94.3
CRI	81.3	CRI	82.4	CRI	83.1	CRI	83.7	CRI	94.2
R <sub>9</sub>	0.7	R <sub>9</sub>	4.5	R <sub>9</sub>	9.1	R <sub>9</sub>	9.9	R <sub>9</sub>	11.9

9027		9030		9035		9040		9050	
R <sub>f</sub>	92	R <sub>f</sub>	91.6	R <sub>f</sub>	90.9	R <sub>f</sub>	89.4	R <sub>f</sub>	88.4
R <sub>g</sub>	98.4	R <sub>g</sub>	98.6	R <sub>g</sub>	98.3	R <sub>g</sub>	96.6	R <sub>g</sub>	96.8
CRI	93.4	CRI	93.2	CRI	93.3	CRI	91.8	CRI	91
R <sub>9</sub>	59.3	R <sub>9</sub>	60.2	R <sub>9</sub>	63.1	R <sub>9</sub>	58	R <sub>9</sub>	55.2

9727		9730	
R <sub>f</sub>	95	R <sub>f</sub>	94.2
R <sub>g</sub>	100.1	R <sub>g</sub>	99.6
CRI	98	CRI	98.5
R <sub>9</sub>	93.9	R <sub>9</sub>	94.7

Energy Data

ENERGY DATA
Sound Rating: Class A standards
(Values at non-dimming line voltage)
Minimum Starting Temperature: -20°C (-4°F)
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)
Power Factor: >0.90
Input Frequency: 50/60Hz

1000 Lumen D010	
Input Power: 11W	THD <14%
Input Current: 0.09A	277V Input Current: 0.04A

1500 Lumen D010	
Input Power: 15.5W	THD <13%
Input Current: 0.13A	277V Input Current: 0.06A

2000 Lumen D010	
Input Power: 21.2 W	THD <9%
Input Current: 0.18A	277V Input Current: 0.08A

3000 Lumen D010	
Input Power: 27.6 W	THD <10%
Input Current: 0.23A	277V Input Current: 0.10A

4000 Lumen D010	
Input Power: 41.6 W	THD <13%
Input Current: 0.35A	277V Input Current: 0.15A

5000 Lumen D010TE	
Input Power: 52.5 W	THD <12%
Input Current: 0.44A	277V Input Current: 0.19A

6000 Lumen D010TE	
Input Power: 59.7W	THD <14%
Input Current: 0.50A	277V Input Current: 0.22A

7000 Lumen D010TE	
Input Power: 75.8 W	THD <13%
Input Current: 0.64A	277V Input Current: 0.29A

8000 Lumen D010	
Input Power: 73.8 W	THD <13%
Input Current: 0.62A	277V Input Current: 0.26A

9000 Lumen D010	
Input Power: 86.9 W	THD <13%
Input Current: 0.72A	277V Input Current: 0.32A

10000 Lumen D010TE	
Input Power: 115.4 W	THD <13%
Input Current: 0.96A	277V Input Current: 0.42A

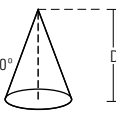
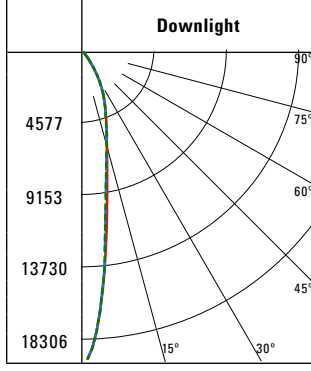
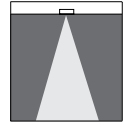
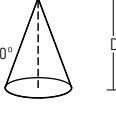
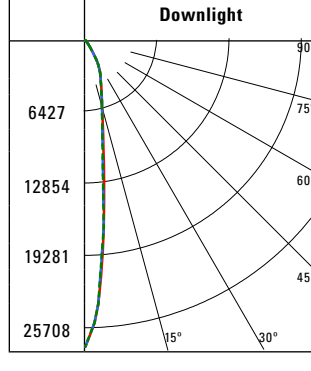
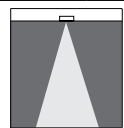
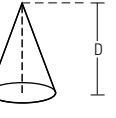
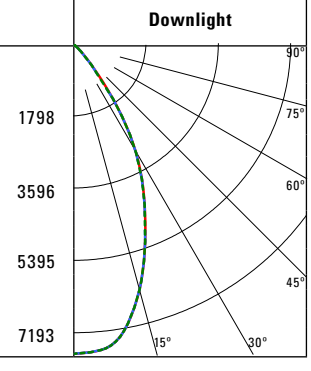
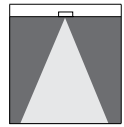
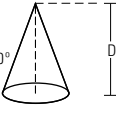
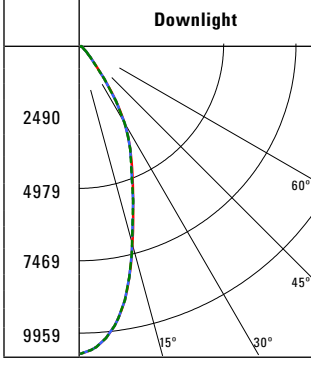
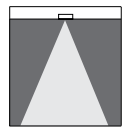
12000 Lumen D010TE	
Input Power: 119.4 W	THD <13%
Input Current: 1.0A	277V Input Current: 0.43A

15000 Lumen D010TE	
Input Power: 173.7 W	THD <13%
Input Current: 1.45A	277V Input Current: 0.63A

17500 Lumen D010TE	
Input Power: 179.1 W	THD <13%
Input Current: 1.49A	277V Input Current: 0.65A

[View IES files](#)

Photometric Data

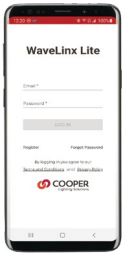
NARROW (30° BEAM)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number		<b>Downlight</b>				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LSR8B50D010					0	18310	0-30	4214	84.5	45	4330
Module	ER8B50835					5	14091	0-40	4883	97.9	55	253
Trim	8LBN0H					15	5762	0-60	4983	99.9	65	88
Lumens	4986					25	3117	0-90	4986	100	75	143
Efficacy	94.1 Lm/W					35	1021	90-180	0	0	85	0
SC	0.32					45	99	0-180	4986	100		
						55	5					
						65	1					
						75	1					
						85	0					
						90	0					
Test Number		<b>Downlight</b>				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LSR8B50D010					0	25712	0-30	4514	86	45	4422
Module	ER8B50835					5	17790	0-40	5134	97.8	55	382
Trim	8LBN0LI					15	5743	0-60	5238	99.8	65	518
Lumens	5248					25	3148	0-90	5248	100	75	429
Efficacy	99 Lm/W					35	879	90-180	0	0	85	0
SC	0.25					45	101	0-180	5248	100		
						55	7					
						65	7					
						75	4					
						85	0					
						90	0					
Test Number		<b>Downlight</b>				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LSR8B50D010					0	7197	0-30	4078	75.2	45	10619
Module	ER8B50835					5	7141	0-40	5174	95.4	55	887
Trim	8LBM0H					15	5914	0-60	5422	99.9	65	175
Lumens	5426					25	3883	0-90	5426	100	75	143
Efficacy	102.4 Lm/W					35	1774	90-180	0	0	85	0
SC	0.8					45	244	0-180	5426	100		
						55	16					
						65	2					
						75	1					
						85	0					
						90	0					
Test Number		<b>Downlight</b>				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LSR8B50D010					0	9963	0-30	4491	78.6	45	9546
Module	ER8B50835					5	9498	0-40	5481	96	55	1435
Trim	8LBM0LI					15	6587	0-60	5702	99.8	65	518
Lumens	5711					25	3908	0-90	5711	100	75	214
Efficacy	107.8 Lm/W					35	1559	90-180	0	0	85	0
SC	0.63					45	219	0-180	5711	100		
						55	27					
						65	7					
						75	2					
						85	0					
						90	0					



Connected Systems

WaveLinx LITE - WLST Tilemount Sensor

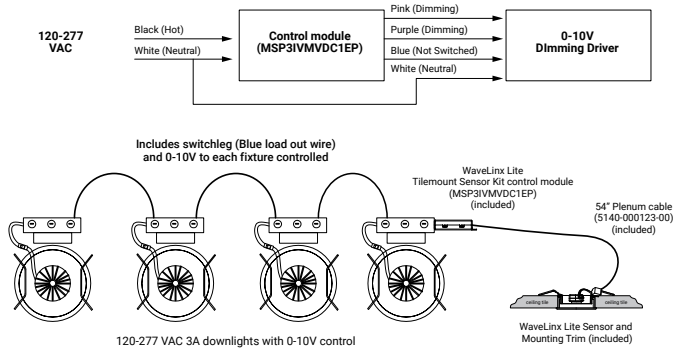
WaveLinx LITE devices only compatible with the WaveLinx LITE system.



- 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



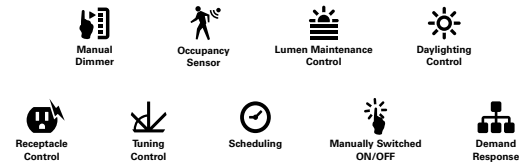
WaveLinx PRO Wireless – WPST Tilemount Sensor

WaveLinx PRO devices only compatible with the WaveLinx PRO system.

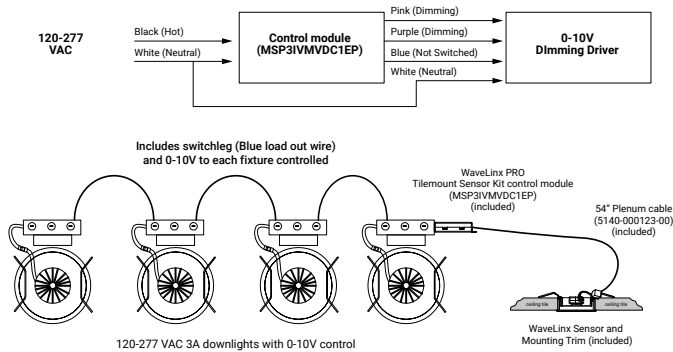


- WaveLinx PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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

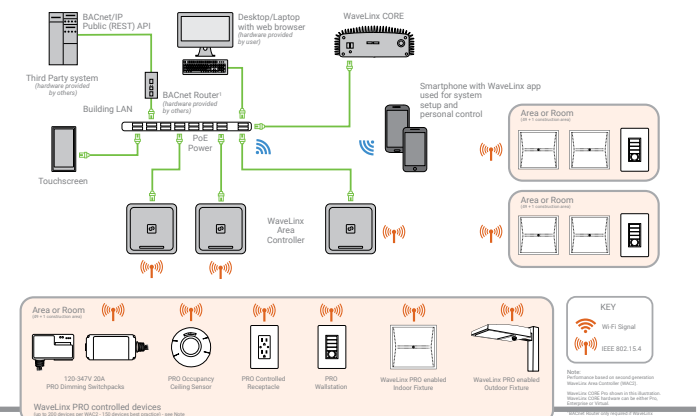
WaveLinx mobile app settings



WaveLinx PRO WPST Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

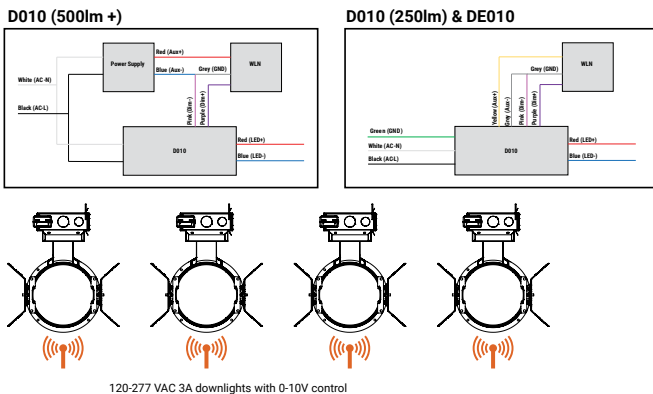
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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

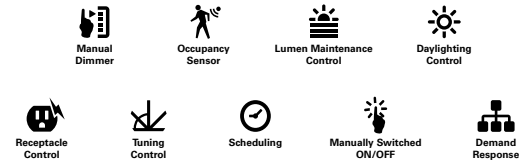
**Downlights with wireless communication**  
Highly efficient LED fixtures

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

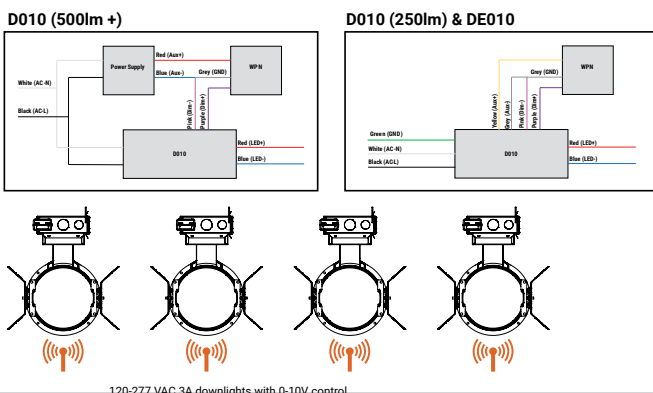
**Wireless Wall Station/Receptacle**  
Provides customized wireless control of each area

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

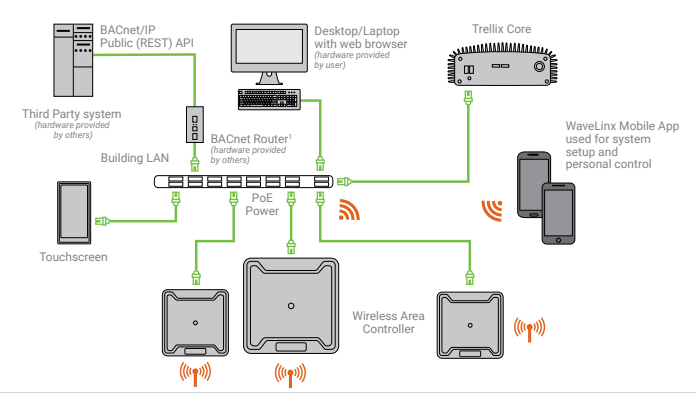
WaveLinX mobile app settings



WaveLinX PRO Wireless Node (WPN) Wiring Diagram



WaveLinX CORE Building Management Integration



# Proven Research. Industry Recognized.

## BioUp Melanopic Lighting



See better



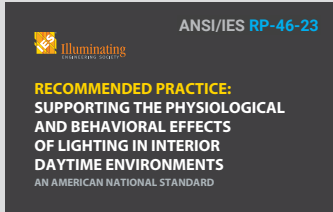
Feel better



Function better



See [BioUp brochure](#) for more details

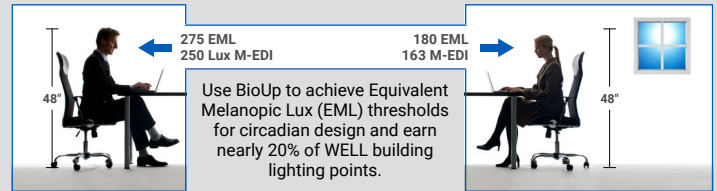


**ANSI/IES RP-46-23 / TM18 published March 2024 based on over 40 years of research.**

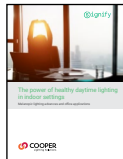
"...circadian clock synchronization is paramount to the body's efficient and appropriate functioning." – TM18



**BioUp solutions maximize WELL points for Circadian Lighting Design (L03):**



**MDER, M-EDI and EML** are key metrics used to quantify non-visual performance of indoor lighting systems.



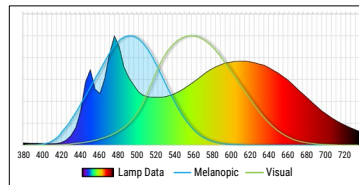
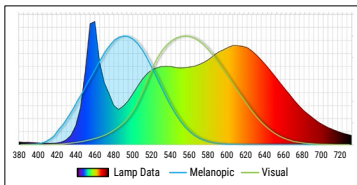
See [BioUp white paper](#) for more details

## 30% boost Biological impact compared to traditional LED sources

**MDER** - Melanopic Daylight Efficacy Ratio (MDER) measures the amount of light stimulating to the melanopsin receptors.

**Standard 4000K LED**  
MDER = .62

**BioUp 4000K LED**  
MDER = .82



CCT	LED @ ~83 CRI	BioUp Static		BioUp Dynamic	
		MDER	CRI	MDER	CRI
2700K	0.45	-	-	0.43	95
3000K	0.50	-	-	0.57	94
3500K	0.57	0.71	90	0.71	90
4000K	0.65	0.84	87	0.84	87
5000K	0.79	1.00	84	1.00	84

BioUp enhances the LED spectrum with cyan light at 475nm increasing the biological impact of the light to enhance our circadian rhythm which regulates our sleep/wake cycle, daytime engagement, and mood – **all without distorting visual color impression.**

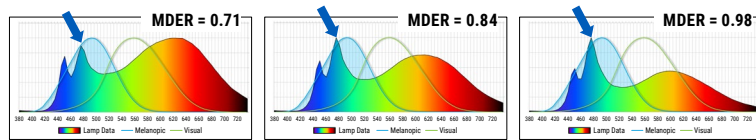
### Static (non-tunable)

Static BioUp is used when simple Melanopic Lighting is desired at all times.

Arrow in graph shows BioUp spectrum boost is at 475nm where non-visual biological response is enhanced.

### Dynamic - (Tunable)

Dynamic BioUp is used when Melanopic Lighting is desired to adjust during the day.

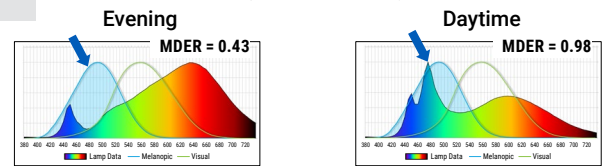


**3500K** or **4000K** or **5000K**

Cyan light component always present



> no CCT control needed



Warmer CCT Without Cyan content ← → Cooler Light With Cyan content

**2700K – 5000K**



> Control with Wavelinx, 2ch 0-10V, or DALI