

| | | | | | |
|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Portfolio

LSR8B EC8B 8L

High Bay / Low Bay Ceiling, Pendant or Wall Mount

Typical Applications

Office • Education • Healthcare • Hospitality

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- Product Warranty

Product Certification



Control Compatibility



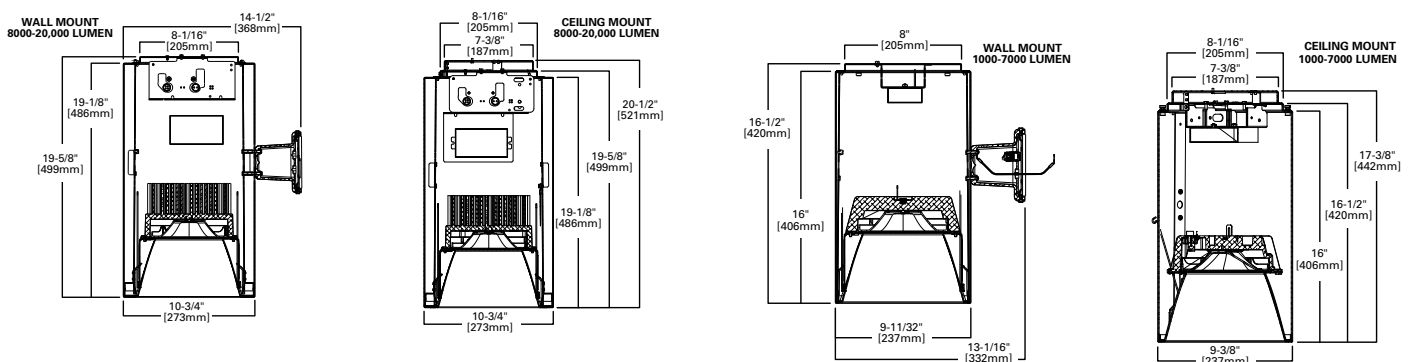
Product Features



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
- Two-stage reflector system produces smooth beam
- Options to meet Trade Agreements Act requirements

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: **LSR8B20D010MB**

| Domestic Preferences | Housing | Lumens | Voltage | Driver | |
|--|---|--|--|---|---|
| Domestic Preferences ⁽¹⁸⁾ | Housing | Lumens ⁽¹⁾ | Voltage | 1 Driver | 2 and 3 Drivers |
| <p>[Blank]=Standard TAA=Trade Agreements Act</p> | <p>LSR8B=Surface Ceiling Mount Cylinder LSRWM8B=Wall Mount Cylinder</p> | <p>10=1000 lumens 15=1500 lumens 20=2000 lumens 30=3000 lumens 40=4000 lumens 50=5000 lumens 60=6000 lumens 70=7000 lumens 80=8000 lumens 90=9000 lumens 100=10000 lumens 120=12000 lumens 150=15000 lumens 175= 17500 lumens remote driver only</p> | <p>blank=120-277V 3=347V⁽²⁾</p> | <p>1000-4000 Lumen⁽⁴⁾ D010=0-10V Dimming, 1% to 100%, 120V-277V D010TR=0-10V 120-277V or 120V Line Voltage Dimming, 1% to 100% DE010=0-10V Linear Dimming, 0% to 100%, 120V-277V DSL=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V DMX=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V⁽³⁾ DMXC5=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection⁽³⁾ DL2=Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only DLE=Lutron Ecosystem dimming 1% to 100% DLV=Low Voltage System⁽⁶⁾ 5000, 6000, and 7000 Lumen⁽⁵⁾ D010TE=0-10V or Trailing Edge Dimming, 5% to 100%, 120V-277V (120V Only for Trailing Edge Dimming) Tunable white 1000-2000 DE010W2N=0-10V dimming, 0% to 100%, 120V Dimming, 0% to 100% DSLW2N=Fifth Light (DALI) Logarithmic Dimming, 0% to 100% DE010W2N2765 = 0-10V dimming, 0% to 100%, 120-277V, 2700K-6500K DE010W2N2050 = 0-10V dimming, 0% to 100%, 120-277V, 2000K-5000K DSLW2N2765 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2700K-6500K DSLW2N2050 =Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2000K-5000K</p> | <p>4000 and 6000 Lumen D2W (2 Drivers) 6000, 8000 and 9000 Lumen (2 Drivers) 9000 Lumen D2W (3 Drivers) 12,000 Lumen (3 Drivers) D010=0-10V, 120V-277V Dimming, 1% to 100% D010TR=0-10V, 120V-277V or 120V Line Voltage Dimming, 1% to 100% DE010=0-10V, 120V-277V Linear Dimming, 0% to 100% DSL=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V DMX=120V-277V, DMX/RDM Logarithmic Dimming, 0% to 100%⁽³⁾ DMXC5=120V-277V, DMX/RDM Logarithmic Dimming 0% to 100% with RJ45 connection⁽³⁾ DL2=120V Lutron® Hi-Lume Forward Phase Dimming, 1% to 100% DLE=120V-277V, Lutron Ecosystem dimming 1% to 100% 10,000, 12,000, 15,000, 17,500 Lumen D010TE=0-10V or Trailing Edge Dimming, 5% to 100%, 120V-277V Tunable white 3000-4000 1DE010W2N=0-10V dimming, 0% to 100%, 120V-277V 1DSLW2N=120V-277V, Fifth Light (DALI) Logarithmic Dimming, 0% to 100% DE010W2N2765 = 0-10V dimming, 0% to 100%, 120-277V, 2700K-6500K DE010W2N2050 = 0-10V dimming, 0% to 100%, 120-277V, 2000K-5000K DSLW2N2765 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2700K-6500K DSLW2N2050 =Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V, 2000K-5000K</p> |
| <p>Notes (18) Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.</p> | <p>Notes</p> | <p>Notes (1) Nominal Lumens will vary depending on selected color, driver and reflector finish.</p> | <p>Notes (2) 347V integral D010 only.</p> | <p>Notes (3) DMX fixtures default to full on upon loss of DMX signal. (4) For D2W up to 3000 lumens. (5) Not for use with D2W. (6) Limited to 3000 Lumens</p> | <p>Notes</p> |

| Dim to Warm | Remote | Finish |
|--|---|---|
| Dim to Warm | Remote | Finish ⁽⁸⁾ |
| <p>blank= For 3000 and below D2W = For 4000, 6000 and 9000</p> | <p>blank= Integral driver R= Remote driver⁽⁷⁾</p> | <p>P=White MB=Matte Black SL=Silver BZ=Bronze</p> |
| <p>Notes</p> | <p>Notes (7) Order remote driver separately. See below to order.</p> | <p>Notes (8) Consult factory for custom finishes</p> |

SAMPLE ORDER NUMBER: **ER8B30408035**

| Power Module | Lumen Levels | Color |
|--|---|---|
| Power Module | Lumen Levels ⁽¹⁾ | Color |
| <p>EC8B=8" LED Module for 7000 lumen and below ER8B=8" LED Module for 8000 lumen and above, and with multiple drives</p> | <p>1 Driver 1020=1000, 1500, or 2000 Lumens 3040=3000 or 4000 Lumens 5070=5000, 6000, or 7000 lumens</p> <p>2 Drivers 60=6000 lumens, 2 LEDs 80120=8000, 9000, 10000, or 12000 lumens</p> <p>3 Drivers 120=12000 lumens, 3 LEDs 150200=15000, or 17500</p> | <p>80 CRI 8027= 80CRI, 2700K 8030= 80CRI, 3000K 8035= 80CRI, 3500K 8040= 80CRI, 4000K 8050= 80CRI, 5000K</p> <p>90 CRI 9024= 90CRI, 2400K 9027= 90CRI, 2700K 9030= 90CRI, 3000K 9035= 90CRI, 3500K 9040= 90CRI, 4000K 9050= 90CRI, 5000K</p> <p>97 CRI 9727= 97CRI, 2700K 9730= 97CRI, 3000K</p> |
| <p>Notes</p> | <p>Notes (1) Nominal Lumens will vary depending on selected color, driver and reflector finish.</p> | <p>Notes</p> |

Order Information

REQUIRED if Remote Driver (R) is specified on Cylinder

| Domestic Preferences | Remote Drivers | Lumens | Voltage | Driver | |
|--|--|---|---|--|--|
| Domestic Preferences ⁽¹⁸⁾ | Remote Drivers ⁽⁹⁾ | Lumens | Voltage | Driver | |
| | | | | 1 Driver | 2 and 3 Drivers |
| [Blank] =Standard TAA =Trade Agreements Act | R100 =Remote 100 ft R75 = Remote 75ft R50 = Remote 50 ft R25 = Remote 25ft R15 = Remote 15ft R5 = Remote 5ft R2 = Remote 2 ft | 10 =1000 lumens 15 =1500 lumens 20 =2000 lumens 30 =3000 lumens 40 =4000 lumens 50 =5000 lumens 60 =6000 lumens 70 =7000 lumens 80 =8000 lumens 90 =9000 lumens 100 =10000 lumens 120 =12000 lumens 150 =15000 lumens 175 = 17500 lumens | blank =120-277V ⁽¹⁰⁾ 1 =120V 2 =277V 3 =347V | 1000-4000 Lumen⁽⁴⁾ D010 =0-10V Dimming, 1% to 100%, 120V-277V D010TR =0-10V 120-277V or 120V Line Voltage Dimming, 1% to 100% DE010 =0-10V Linear Dimming, 0% to 100%, 120V-277V D5LT =Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V ⁽⁵⁾ DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection ⁽³⁾ DL2 =Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only DLE =Lutron Ecosystem dimming 1% to 100% DLV =Low Voltage System ⁽⁶⁾ 5000, 6000, and 7000 Lumen⁽⁵⁾ D010TE =0-10V or Trailing Edge Dimming, 5% to 100%, 120V-277V (120V Only for Trailing Edge Dimming) Tunable white 1000-2000 DE010W2N =0-10V dimming, 0% to 100%,120V D5LTW2N =Fifth Light (DALI) Logarithmic Dimming, 0% to 100% DE010W2N2765 = 0-10V dimming, 0% to 100%, 120-277V, 2700K-6500K DE010W2N2050 = 0-10V dimming, 0% to 100%, 120-277V, 2000K-5000K D5LTW2N2765 = Fifth Light DALI dimming, 0% to 100%, 120-277V, 2700K-6500K D5LTW2N2050 =Fifth Light DALI dimming, 0% to 100%, 120-277V, 2000K-5000K | 4000 and 6000 Lumen D2W (2 Drivers) 6000, 8000 and 9000 Lumen (2 Drivers) 9000 Lumen D2W (3 Drivers) 12,000 Lumen (3 Drivers) D010 =0-10V, 120V-277V Dimming, 1% to 100% D010TR =0-10V, 120V-277V or 120V Line Voltage Dimming, 1% to 100% 1DE010 =0-10V, 120V-277V Linear Dimming, 0% to 100% D5LT =120V-277V Fifth Light® (DALI) Logarithmic Dimming, 0% to 100% DMX =120V-277V, DMX/RDM Logarithmic Dimming, 0% to 100% ⁽³⁾ DMXC5 =120V-277V, DMX/RDM Logarithmic Dimming 0% to 100% with RJ45 connection ⁽³⁾ DL2 =120V Lutron® Hi-Lume Forward Phase Dimming, 1% to 100% DLE =120V-277V, Lutron Ecosystem dimming 1% to 100% 10,000, 12,000, 15,000, 17,500 Lumen D010TE =0-10V or Trailing Edge Dimming, 5% to 100%, 120V-277V |
| Notes (18) Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. | Notes (9) Lutron driver limited to 25' | Notes (10) 3000 and below. Up to 3000 lumens does not need voltage specified. | Notes (3) DMX fixtures default to full on upon loss of DMX signal. (4) For D2W up to 3000 lumens. (5) Not for use with D2W. (6) Limited to 3000 Lumens | | |

| Options | Controls |
|--|---|
| EM7 =7W emergency module with remote test switch EM14 =14W emergency module with remote test switch EMBOD =Bodine® Emergency Module with Remote Test Switch EMV7 =7W emergency module for use with DLV driver with remote test switch EMV14 =14W emergency module for use with DLV driver with remote test switch | WPST = Factory installed WaveLinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) ⁽¹²⁾⁽¹⁶⁾ WLST = Factory installed WaveLinx LITE Sensor Kit ⁽¹²⁾⁽¹⁷⁾ WPN = WaveLinx PRO Wireless Node without sensor ⁽²⁰⁾ |
| Notes | Notes (12) Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. (16) WPST = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only. (17) WLST = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications) (20) WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. |

SAMPLE ORDER NUMBER: **8LBM3LI**

| Trim | Distribution | Flange | Finish |
|--------------------------|---|-------------------|--|
| 8LB =8" Reflector | N =Narrow Spun Aluminum M =Medium Spun Aluminum W =Wide Spun Aluminum S =Shallow Spun Aluminum SW =Single Wall Wash, Spun Aluminum DW =Double Wall Wash, Spun Aluminum | 3 =Rimless | LI =Specular Clear H =Semi-Specular Clear WMH =Warm Haze WH =Wheat GPH =Graphite Haze B =Specular Black MW =Matte White |
| Notes | Notes (13) Beam angles are nominal with LI finish trims. | Notes | Notes |

| | 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 |
|---|---|--|
| Accessories ⁽¹⁸⁾ | Type | Lengths |
| Pendant Kit⁽¹⁵⁾ P836P =White pendant stem kit P836BZ =Bronze pendant stem kit P836MB =Matte black pendant stem kit P836SL =Silver pendant stem kit | Blank =5 conductor for use with 0-10V driver 3C =3 conductor for use with 120 or 277V 5C = 5 conductor for use with D5LT drivers DMX =No conductors for use with DMX RM = for Remote drivers | Blank =36" SP *=* Specify 6" to 144" in 1" increments |
| Conduit Pendant Kit PMRCC6P = Round pendant stem kit with conduit knockout cover, white PMRCC6MB = Round pendant stem kit with conduit knockout cover, black PMRCC6BZ = Round pendant stem kit with conduit knockout cover, bronze PMRCC6SL = Round pendant stem kit with conduit knockout cover, silver | | Blank =36" SP *=* Specify 6" to 144" in 1" increments |
| Aircraft cable⁽¹⁹⁾ AC120P =120" white aircraft cable kit AC48P =48" white aircraft cable kit AC120MB =120" black aircraft cable kit AC48MB =48" black aircraft cable kit | Blank =5 conductor DMXC5 =DMX/RDM logarithmic Dimming with RJ45 connection | |
| Notes (15) 0-45° slope (19) Not for use with remote drivers. | Notes | Notes |

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

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

WaveLinx PRO Wireless Node

- WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.

WaveLinx LITE Tilemount Sensor Kit

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

WaveLinx Tilemount Kits Application

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

Compliance

- Pendant and wall mount and 15,000 lumen cylinder cULus Listed for damp locations
- Ceiling surface mount cULus Listed for protected wet locations with covered ceiling
- EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits
- RoHS compliant
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- Photometric testing completed in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11

Warranty

- Five year warranty www.cooperlighting.com/legal

Color Metric Summary

| 8027 | | 8030 | | 8035 | | 8040 | | 8050 | |
|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|
| R _f | 93.2 | R _f | 83.4 | R _f | 83.7 | R _f | 83.3 | R _f | 82.5 |
| R _g | 94.1 | R _g | 94.4 | R _g | 94.8 | R _g | 94 | R _g | 94.3 |
| CRI | 81.3 | CRI | 82.4 | CRI | 83.1 | CRI | 83.7 | CRI | 94.2 |
| R ₉ | 0.7 | R ₉ | 4.5 | R ₉ | 9.1 | R ₉ | 9.9 | R ₉ | 11.9 |

| 9027 | | 9030 | | 9035 | | 9040 | | 9050 | |
|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|
| R _f | 92 | R _f | 91.6 | R _f | 90.9 | R _f | 89.4 | R _f | 88.4 |
| R _g | 98.4 | R _g | 98.6 | R _g | 98.3 | R _g | 96.6 | R _g | 96.8 |
| CRI | 93.4 | CRI | 93.2 | CRI | 93.3 | CRI | 91.8 | CRI | 91 |
| R ₉ | 59.3 | R ₉ | 60.2 | R ₉ | 63.1 | R ₉ | 58 | R ₉ | 55.2 |

| 9727 | | 9730 | |
|----------------|-------|----------------|------|
| R _f | 95 | R _f | 94.2 |
| R _g | 100.1 | R _g | 99.6 |
| CRI | 98 | CRI | 98.5 |
| R ₉ | 93.9 | R ₉ | 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 |

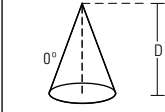
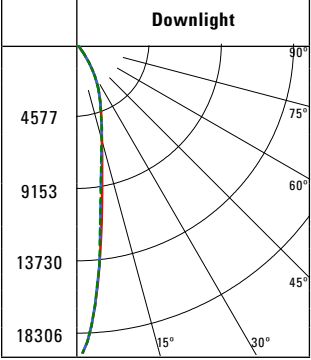
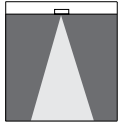
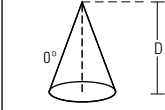
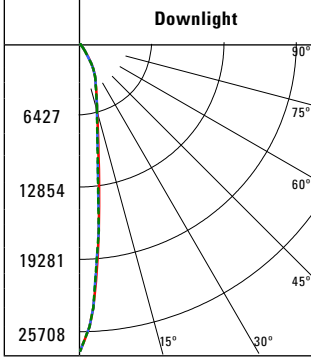

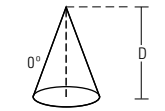
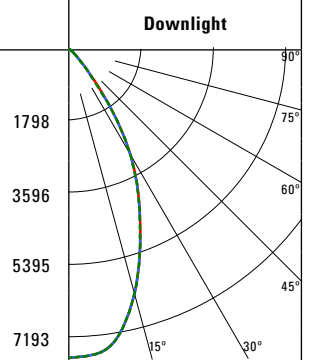
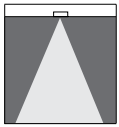
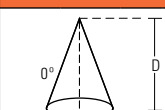
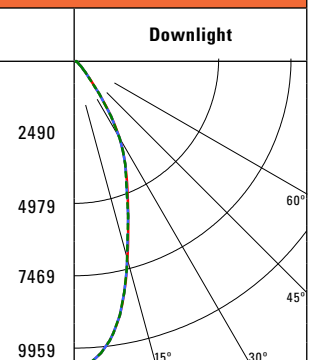

| 12000 Lumen D010TE | |
|----------------------|---------------------------|
| Input Power: 119.4 W | THD <13% |
| Input Current: 1.0A | 277V Input Current: 0.43A |

| 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 |

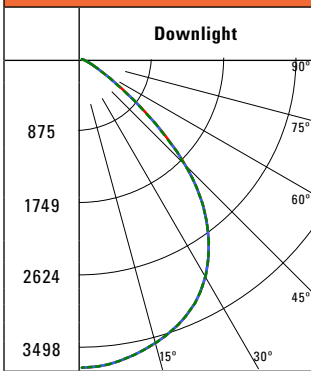
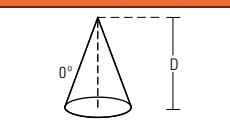
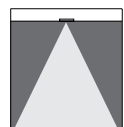
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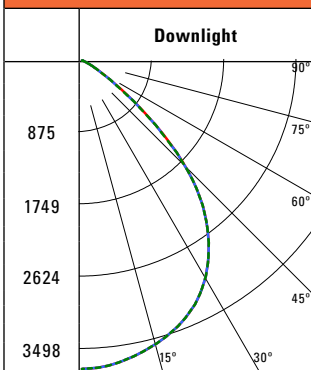
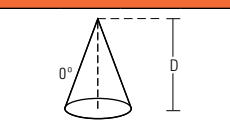
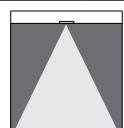
Photometric Data

| NARROW (30° BEAM) | | CANDLEPOWER DISTRIBUTION | | CONE OF LIGHT | | CANDELA TABLE | | ZONAL LUMEN SUMMARY | | | LUMINANCE | |
|---|-------------|---|--|---|--|------------------|---------|---------------------|--------|-----------|-------------------------|----------------------|
| Test Number | | Downlight | |  | | Degrees Vertical | Candela | 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 | | Downlight | |  | | Degrees Vertical | Candela | 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 | | Downlight | |  | | Degrees Vertical | Candela | 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 | | Downlight | |  | | Degrees Vertical | Candela | 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 | | | | | |

Photometric Data

 View IES files

| SHALLOW (75° BEAM) | | CANDLEPOWER DISTRIBUTION | | CONE OF LIGHT | | | | CANDELA TABLE | | ZONAL LUMEN SUMMARY | | | LUMINANCE | |
|---|-------------|---|-------|---|------|-----|-----|------------------|---------|---------------------|--------|-----------|-------------------------|----------------------|
| Test Number | |  | |  | | | | Degrees Vertical | Canдела | Zone | Lumens | % Fixture | Average Candela Degrees | Average 0° Luminance |
| Housing | LSR8B50D010 | | | | | | | 0 | 3502 | 0-30 | 2670 | 44.2 | 45 | 71087 |
| Module | ER8B50835 | | | | | | | 5 | 3477 | 0-40 | 4240 | 70.2 | 55 | 24682 |
| Trim | 8LBS0H | | | | | | | 15 | 3322 | 0-60 | 5920 | 98.1 | 65 | 6100 |
| Lumens | 6035 | | | | | | | 25 | 3056 | 0-90 | 6035 | 100 | 75 | 2121 |
| Efficacy | 113.9 Lm/W | 35 | 2525 | 90-180 | 0 | 0 | 85 | 1274 | | | | | | |
| SC | 1.2 | 45 | 1630 | 0-180 | 6035 | 100 | | | | | | | | |
|  | | MH | FC | L | W | 55 | 459 | | | | | | | |
| | | 4' | 218.9 | 4.6 | 4.6 | 65 | 84 | | | | | | | |
| | | 7' | 71.5 | 8.2 | 8.2 | 75 | 18 | | | | | | | |
| | | 9' | 43.2 | 10.6 | 10.6 | 85 | 4 | | | | | | | |
| | | 13' | 20.7 | 15.4 | 15.4 | 90 | 0 | | | | | | | |
| | | 16' | 13.7 | 19 | 19 | | | | | | | | | |

| SHALLOW (75° BEAM) | | CANDLEPOWER DISTRIBUTION | | CONE OF LIGHT | | | | CANDELA TABLE | | ZONAL LUMEN SUMMARY | | | LUMINANCE | |
|--|-------------|--|-------|---|------|-----|-----|------------------|---------|---------------------|--------|-----------|-------------------------|----------------------|
| Test Number | |  | |  | | | | Degrees Vertical | Canдела | Zone | Lumens | % Fixture | Average Candela Degrees | Average 0° Luminance |
| Housing | LSR8B50D010 | | | | | | | 0 | 3460 | 0-30 | 2850 | 45.9 | 45 | 69395 |
| Module | ER8B50835 | | | | | | | 5 | 3462 | 0-40 | 4513 | 72.7 | 55 | 22488 |
| Trim | 8LBS0LI | | | | | | | 15 | 3498 | 0-60 | 6132 | 98.8 | 65 | 4159 |
| Lumens | 6206 | | | | | | | 25 | 3343 | 0-90 | 6206 | 100 | 75 | 631 |
| Efficacy | 117.1 Lm/W | 35 | 2681 | 90-180 | 0 | 0 | 85 | 637 | | | | | | |
| SC | 1.28 | 45 | 1591 | 0-180 | 6206 | 100 | | | | | | | | |
|  | | MH | FC | L | W | 55 | 418 | | | | | | | |
| | | 4' | 216.3 | 5 | 5 | 65 | 57 | | | | | | | |
| | | 7' | 70.6 | 8.8 | 8.8 | 75 | 5 | | | | | | | |
| | | 9' | 42.7 | 11.4 | 11.4 | 85 | 2 | | | | | | | |
| | | 13' | 20.5 | 16.6 | 16.6 | 90 | 0 | | | | | | | |
| | | 16' | 13.5 | 20.4 | 20.4 | | | | | | | | | |

| Nominal Scaling From 80 CRI 3500K | | |
|-----------------------------------|------|------------|
| CRI | CCT | Lumen Mult |
| 80 | 2700 | 0.938 |
| 80 | 3000 | 0.962 |
| 80 | 3500 | 1.000 |
| 80 | 4000 | 0.993 |
| 80 | 5000 | 1.013 |
| 90 | 2700 | 0.784 |
| 90 | 3000 | 0.826 |
| 90 | 3500 | 0.853 |
| 90 | 4000 | 0.891 |
| 90 | 5000 | 0.922 |
| 97 | 2700 | 0.696 |
| 97 | 3000 | 0.737 |

| Nominal Scaling From 5000 lumen package | |
|---|------------|
| LUMEN PACKAGE | LUMEN MULT |
| 1000 LUMEN | 0.207 |
| 1500 LUMEN | 0.280 |
| 2000 LUMEN | 0.398 |
| 3000 LUMEN | 0.562 |
| 4000 LUMEN | 0.799 |
| 5000 LUMEN | 1.000 |
| 6000 LUMEN | 1.133 |
| 7000 LUMEN | 1.368 |
| 8000 LUMEN | 1.535 |
| 9000 LUMEN | 1.729 |
| 10,000 LUMEN | 1.994 |
| 12,000 LUMEN | 2.261 |
| 15,000 LUMEN | 2.949 |
| 17,500 LUMEN | 3.329 |
| 20,000 LUMEN | 3.924 |

Connected Solutions

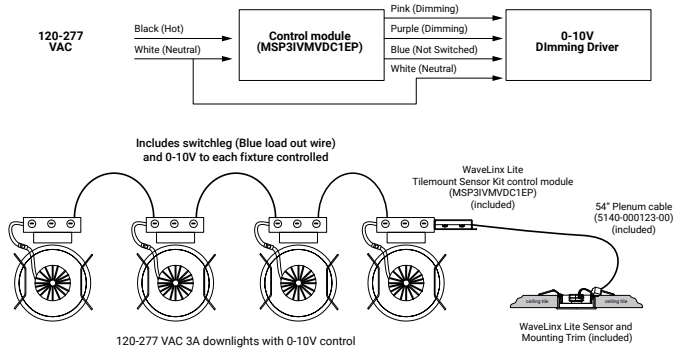
WaveLinX LITE - WLST Tilemount Sensor



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



WaveLinX LITE WLST Tilemount Wiring Diagram



WaveLinX LITE Bluetooth Enabled System



WaveLinX PRO Wireless – WPST Tilemount Sensor



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

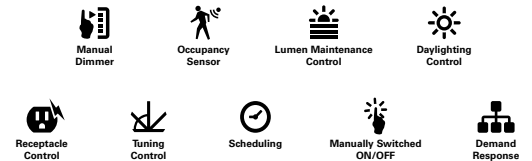
Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

WaveLinX Area Controller
Provides centralized coordination of multiple area control options

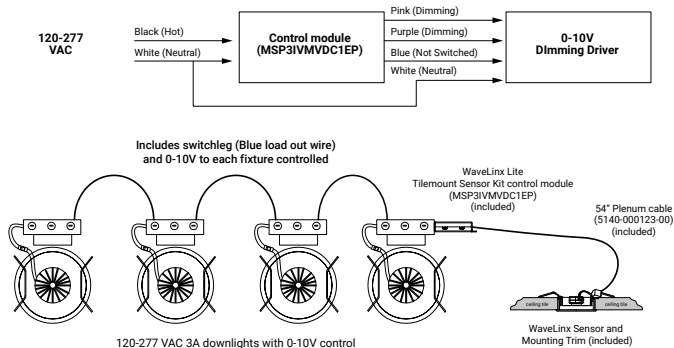
Wireless Wall Station/Receptacle
Provides customized wireless control of each area

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

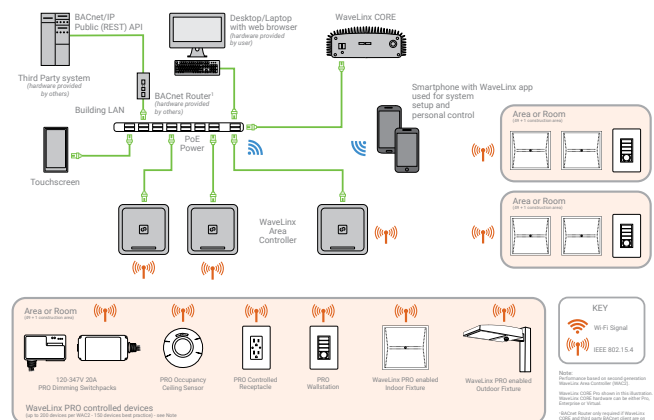
WaveLinX mobile app settings



WaveLinX PRO WPST Tilemount Wiring Diagram



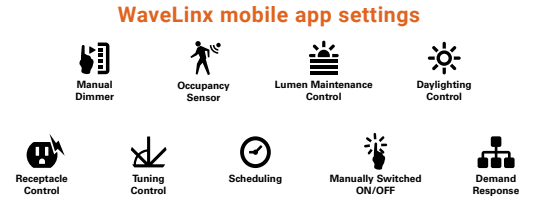
WaveLinX CORE Building Management Integration



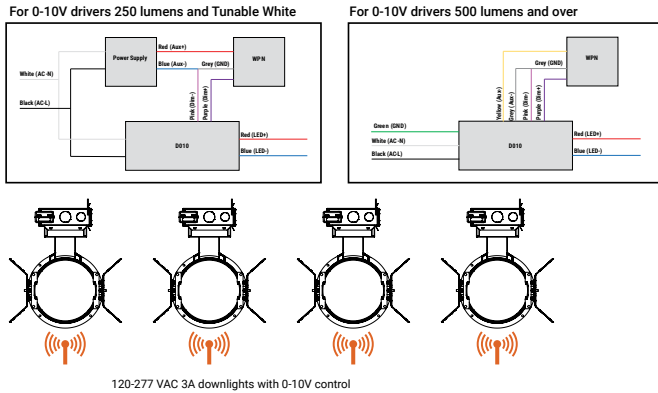
Connected Solutions

WaveLinx PRO Wireless Node - WPN

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



WaveLinx PRO Wireless Node (WPN) Wiring Diagram



WaveLinx CORE Building Management Integration

