

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



# Metalux

## 22RLN

2' x 2' Recessed LED  
Specification Grade  
Rectilinear Shielding

### Typical Applications

- Commercial Office Spaces • Schools • Hospitals
- Retail Merchandising Areas

### Interactive Menu

- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Control Solutions [page 5](#)
- VividTune™ Color Tuning Solutions [page 6](#)
- Product Warranty

### Product Certification



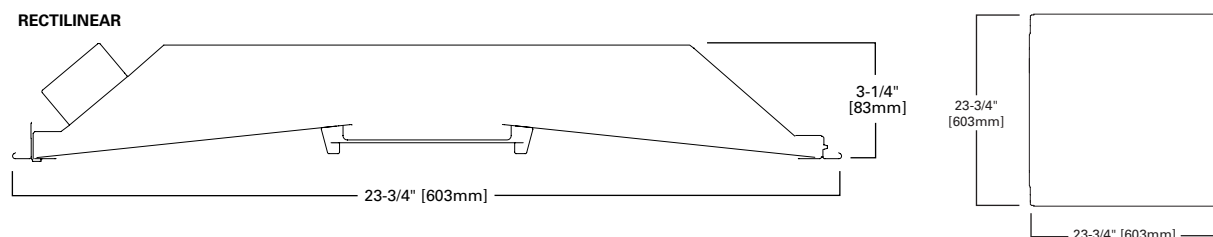
### Product Features



### Top Product Features

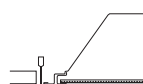
- Luminous center panel with gently elevated luminous side panels for a visually pleasing appearance
- Efficacy up to 139 lm/W, uniform illumination for a pleasant ambient environment
- 3000K, 3500K, and 4000K at 80 or 90 CRI
- White tuning solutions available, either 3000K - 5000K or 2700K - 6500K
- LED driver access from below the ceiling
- Options to meet Build America, Buy America, Buy American and other domestic preference requirements

### Dimensional and Mounting Details

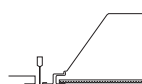


### Ceiling Compatibility

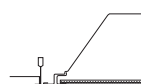
**G**  
Grid/Lay-in  
Standard



**G**  
Concealed T



**G**  
Slot Grid



| Ceiling Type | Trim Type |
|--------------|-----------|
| Exposed Grid | G         |
| Concealed T  | G         |
| Slot Grid    | G         |

(Verify compatibility/ consult factory.)

## Order Information

SAMPLE ORDER NUMBER: **22RLN-LD5-35-UNV-L835-CD1-U**

| Domestic Preferences  | Rating  | Series  | Door Frame   | Lamp Type           | Lumen Output   | Shielding  | Voltage   | Emergency  | CCT  |
|---|---|---|--|---------------------|--|--|---|--|--|
| Domestic Preferences <sup>(1)</sup>   | Rating  | Series <sup>(2)</sup>   | Door Frame   | Lamp Type           | Lumen Output   | Shielding  | Voltage <sup>(3)</sup>  | Emergency  | CCT  |
| <b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act<br><b>BABAF</b> =FHWA and FTA projects funded through October 1, 2026  | <b>[Blank]</b> =Standard<br><b>ATW-SW4</b> =Chicago Rated | <b>22RLN</b> =2x2 RLN Series  | <b>Standard</b> =Flat White Steel Door (Leave Blank) | <b>LD5</b> =LED 5.0 | <b>Stock</b><br>25=2500 Lumen<br>35=3500 Lumen<br><br><b>MTO</b><br>20=2000 Lumen<br>31=3100 Lumen<br>40=4000 Lumen<br>44=4400 Lumen | <b>[Blank]</b> =Standard Lens<br><b>RDP</b> =Rectilinear with Round Pattern Insert | <b>347V</b> =347 Volt <sup>(4)</sup><br><b>UNV</b> =Universal Voltage 120-277<br><b>120V</b> =120 Volt <sup>(5)</sup><br><b>277V</b> =277 Volt <sup>(5)</sup>   | <b>EL7W</b> =7-watt, 120V-277V emergency battery pack installed <sup>(6)</sup><br><b>EL14W</b> =14-watt 120V-277V emergency battery pack installed <sup>(6)</sup><br><b>GTR2</b> =Bodine Generator Transfer Relay <sup>(7),(8)</sup><br><b>ETRD</b> =Iota Emergency Transfer Relay with dimming control <sup>(7)</sup>   | <b>L830</b> =3000K<br><b>L835</b> =3500K<br><b>L840</b> =4000K<br><b>L930</b> =3000K<br><b>L935</b> =3500K<br><b>L940</b> =4000K<br><b>L83050</b> =80CRI 3000K-5000K White Tuning <sup>(9)</sup><br><b>L93050</b> =90CRI 3000K-5000K White Tuning <sup>(9)</sup><br><b>L82765</b> =80CRI 2700K-6500K White Tuning <sup>(9)</sup><br><b>L92765</b> =90CRI 2700K-6500K White Tuning <sup>(9)</sup> |
| <b>Notes</b><br>(1) Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA), Trade Agreements Act of 1979 (TAA), or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. BABAF designates the product will meet the standards set for FHWA and FTA. As noted, these must be funded by October 1, 2026. Please refer to <a href="#">DOMESTIC PREFERENCES</a> website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements. |   | <b>Notes</b><br>(2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to <a href="#">www.designlights.org</a> for details. |  |                     |  |  | <b>Notes</b><br>(3) Products also available in non-US voltages and frequencies for international markets.<br>(4) 347V versions are not available with emergency options.<br>(5) Must specify voltage as 120V or 277V when ordering GTR2 option. | <b>Notes</b><br>(6) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available.<br>(7) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (8) Must specify voltage as 120V or 277V when ordering GTR2 option. | <b>Notes</b><br>(9) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A driver only. Must be used with two (2) 10V dimming control channels, 1 color, 1 intensity.  |

| Factory Wiring   | Driver Type   | Number of Drivers | Integrated Sensing Systems  | Packaging   | Accessories   |
|--|---|-------------------|---|---|---|
| Factory Wiring   | Driver Type   | Number of Drivers | Integrated Sensing Systems  | Packaging   | Accessories <sup>(15)</sup>   |
| <b>A3/8-4/18GDIM</b> =3/8" Flex with 0-10V Dimming Leads. Multiple other configurations available. See below for details.<br><b>A3/8-5/18GDIM</b> =Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.   | <b>CD</b> =0-10V Driver (1%-100% Dimming)<br><b>SLTD</b> =DALI Driver (5%-100% Dimming) <sup>(10)</sup><br><b>SLTHD</b> =DALI Driver (1%-100% Dimming)<br><b>LV</b> =Low-voltage System Driver (0%-100% Dimming) <sup>(10)</sup><br><b>SD</b> =Step Dimming Driver (50% or 100% Dimming) <sup>(10)</sup><br><b>LH</b> =Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming <sup>(7)</sup><br><b>W2A</b> =White Tuning, 2 ch, Intensity and CCT Control <sup>(11)</sup><br><b>SR</b> =Sensor-ready Driver (1%-100% Dimming)  | 1=1 Driver        | <b>[Blank]</b> =No Sensor<br><b>WLS (formerly WAB)</b> =WaveLinX LITE Wireless Sensor, Occupancy w/ photocell, Independent & Networked <sup>(13),(8)</sup><br><b>WPS (formerly WAA)</b> =WaveLinX PRO Wireless Sensor, Occupancy w/ photocell, Networked <sup>(12),(4)</sup><br><b>WLN</b> =WaveLinX LITE Wireless Control Node, without sensor <sup>(13),(8)</sup><br><b>WPN</b> =WaveLinX PRO Wireless Control Node, without sensor <sup>(12),(4)</sup>                   | <b>U</b> =Unit Pack<br><b>PALC</b> =Job Pack, in carton | <b>EQ-CLIP-U</b> =T-BAR Safety Earthquake Clips <sup>(14)</sup><br><b>DF-22W-U</b> =2' x 2' Drywall Frame Kit<br><b>SMK-22-W</b> =4" Tall Surface Mount Kit, 2' x 2'  |
| <b>Flexible Metal Conduit Options</b><br>Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type.<br><b>A3/8-4/18GDIM series notes:</b> Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556, NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-308); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®. Environmental Air-Handling Space installation per NEC® 300.22(C). | <b>Notes</b><br>(10) 2000, 2500, 3100 and 3500 Lumen packages not available with Step-Dim (SD) and DALI (SLTD) driver option. (11) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A driver only. Must be used with two (2) 10V dimming control channels, 1 color, 1 intensity.<br>Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at <a href="#">www.lutron.com</a> . |                   | <b>Notes</b><br>(12) WPS sensor and WPN node to be used with CD or W2A driver. (13) WLS sensor and WLN to be used with CD driver.<br>Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinX PRO system pages for additional details and compatibility. (B) Consult WaveLinX LITE system pages for additional details and compatibility. |   | <b>Notes</b><br>(14) An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. (15) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.<br>Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. |

## Product Specifications

### Construction

- 5-5/8" housing constructed of die-formed, code gauge cold rolled steel
- Full length die-formed stiffeners and unibody endplate for added strength
- Four auxiliary fixture end suspension points provided
- Wireway cover removable without tools
- Endplates provided with Grid-Lock feature for safety
- These fixtures may have MWS (Modular Wiring System) added. Consult factory for details.

### Integrated Controls

- 0-10V dimming to 1% standard
- Integrated WaveLinX options provide wireless individual fixture control and enable code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinX control systems
- DALI 2.0, Lutron, and step-dimming available

### LED and Light Engine

- LED's available in 3000K, 3500K, or 4000K at 80 CRI minimum and 90 CRI minimum
- Color accuracy  $\leq 3$ -Step MacAdam ellipse (SDCM)
- TM21 life at 60,000 hours up to L92 and calculated L70 exceeds 290,000 hrs.
- Drivers available in 120-277V and 347V
- Tunable white options available with Cooper Lighting Solutions' VividTune

### Emergency Battery Options

- Optional 120-277V emergency battery available in 7W or 14W
- 90-minute backup period for code compliance
- Test switch with laser pointer and testing from floor feature for ease of use
- EZ Key feature prevents accidental discharge during construction
- Generator transfer options available

### Finish

- Multistage, iron phosphate pretreatment
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

### Hinging/Latching

- Positive cam action steel latches with baked white enamel finish
- Safety-lock T-hinges allow hinging and latching either side
- Door assembly hinges down for easy access to driver and LEDs from below

### Frame/Sheilding

- Die formed, heavy gauge flat steel door
- Mitered corners and painted after fabrication
- Baked matte white enamel finish
- Positive light seals
- Acrylic frosted lens

### Compliance

- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

### BABA Domestic Preference Compliance

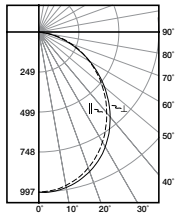
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

### Limited Warranty

- Five year limited warranty standard. Optional ten year limited warranty available.

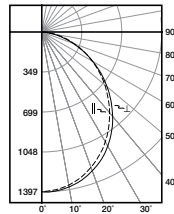
## Photometric Data

 View IES files



### 22RLN-LD5-25-UNV-L835-CD1-U

Electronic Driver  
Linear LED 3500K  
Spacing criterion: (H) 1.19 x mounting height,  
(L) 1.23 x mounting height  
Lumens: 2542.9  
Input Watts: 20.9W  
Efficacy: 121.7 lm/W  
Test Report: 22RLN-LD5-25-UNV-L835-CD1-U-IES



### 22RLN-LD5-35-UNV-L835-CD1-U

Electronic Driver  
Linear LED 3500K  
Spacing criterion: (H) 1.19 x mounting height,  
(L) 1.23 x mounting height  
Lumens: 3558.3  
Input Watts: 30.6W  
Efficacy: 116.3 lm/W  
Test Report: 22RLN-LD5-35-UNV-L835-CD1-U-IES

## Energy and Performance Data

| Stock or MTO | Catalog Logic (Rectilinear Shielding) | Delivered Lumens | Watts | Efficacy (lm/W) |
|--------------|---------------------------------------|------------------|-------|-----------------|
| MTO          | 22RLN-LD5-20-UNV-L830-CD1-U           | 1935             | 16.43 | 118             |
| MTO          | 22RLN-LD5-20-UNV-L835-CD1-U           | 2016             | 16.43 | 123             |
| MTO          | 22RLN-LD5-20-UNV-L840-CD1-U           | 2016             | 16.43 | 123             |
| MTO          | 22RLN-LD5-25-UNV-L830-CD1-U           | 2441             | 20.9  | 117             |
| STOCK        | 22RLN-LD5-25-UNV-L835-CD1-U           | 2543             | 20.9  | 122             |
| STOCK        | 22RLN-LD5-25-UNV-L840-CD1-U           | 2543             | 20.9  | 122             |
| MTO          | 22RLN-LD5-31-UNV-L830-CD1-U           | 3029             | 26.6  | 114             |
| MTO          | 22RLN-LD5-31-UNV-L835-CD1-U           | 3155             | 26.6  | 119             |
| MTO          | 22RLN-LD5-31-UNV-L840-CD1-U           | 3155             | 26.6  | 119             |
| MTO          | 22RLN-LD5-35-UNV-L830-CD1-U           | 3416             | 30.57 | 112             |
| STOCK        | 22RLN-LD5-35-UNV-L835-CD1-U           | 3558             | 30.57 | 116             |
| STOCK        | 22RLN-LD5-35-UNV-L840-CD1-U           | 3558             | 30.57 | 116             |
| MTO          | 22RLN-LD5-40-UNV-L830-CD1-U           | 3882             | 35.6  | 109             |
| MTO          | 22RLN-LD5-40-UNV-L835-CD1-U           | 4044             | 35.6  | 114             |
| MTO          | 22RLN-LD5-40-UNV-L840-CD1-U           | 4044             | 35.6  | 114             |
| MTO          | 22RLN-LD5-44-UNV-L830-CD1-U           | 4238             | 39.62 | 107             |
| MTO          | 22RLN-LD5-44-UNV-L835-CD1-U           | 4415             | 39.62 | 111             |
| MTO          | 22RLN-LD5-44-UNV-L840-CD1-U           | 4415             | 39.62 | 111             |

## Shipping Data

| Catalog No.  | Wt.     |
|--------------|---------|
| 22RLN-LD5-25 | 10 lbs. |
| 22RLN-LD5-35 | 10 lbs. |

## Lumen Maintenance

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) <sup>(1)</sup> | Theoretical L70 (hours) <sup>(2)</sup> |
|---------------------|---|--|
| 25°C                | > 94%   | > 368,000                              |

**Notes:** (1) Supported by IES TM-21 standards. (2) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

## 90 CRI

| Lumen Adjustment Factors 80->90 CRI |       |
|-------------------------------------|-------|
| 3000K                               | 0.865 |
| 3500K                               | 0.861 |
| 4000K                               | 0.883 |
| 5000K                               | n.a.  |

## Example of Lumen Adjustment Calculation

22RLN-LD5-25-UNV-L935-CD1-U  
at 90CRI at 3500K

*Lumen Adjustment Factor = 0.861*

*Total Light Output =  
2,543 lm x 0.861 = 2,190 lm*

*Efficacy =  $\frac{2,190 \text{ lm}}{20.9 \text{ W}} = 104.8 \text{ lm/W}$*

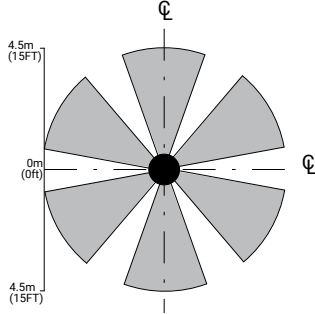
## Control Solutions

- WaveLinX LITE wireless
- WaveLinX PRO wireless
- WaveLinX CAT wired
- WaveLinX Wired

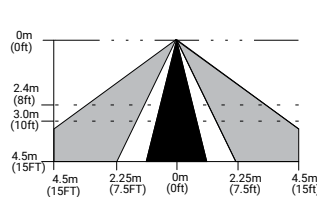


### Integrated Sensor Coverage Pattern

TOP VIEW:



SIDE VIEW:



**Note:** Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.

The RLN with WaveLinX offers no-hassle lighting control with multiple luminaire level control solutions.

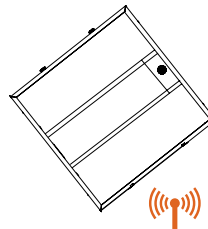


**WaveLinX PRO** is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinX PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinX CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinX PRO offers a rich portfolio of wireless devices, WaveLinX PRO-enabled luminaires, and an intuitive WaveLinX mobile app for office, education, warehouse, and parking garage applications.

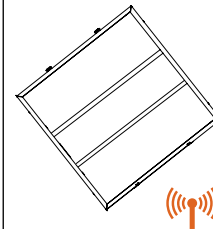


**WaveLinX LITE** is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.

With Integrated WaveLinX Sensor



With Integrated WaveLinX Node



Add a hidden WaveLinX sensor node (WPN, WLN) to your space lighting design!

**Allows to:**

- Keeps luminaire aesthetics
- Connect fixtures without the realstate to include sensor option such as downlights
- Connect sealed fixtures without a standard sensor option such as products for clinical space.

### Integrated Controls Options

| Option | Out of the Box Functionality | Luminaire Level Lighting Control (LLC) | Automatic Dimming Photocell | Occupancy Sensing | CCT Control* |
|--------|------------------------------|--|-----------------------------|-------------------|--------------|
| WLS    | X                            | X                                      | X                           | X                 |              |
| WLN    |                              | X                                      |                             |                   |              |
| WPS    |                              | X                                      | X                           | X                 | X            |
| WPN    |                              | X                                      |                             |                   | X            |

**Note:** \*WaveLinX utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using a commissioned wireless wallstation scene controller. To enable CCT adjustments through WaveLinX, include WPS or WPN devices in addition to VividTune or BioUp technologies for integrated fixture control. WPS with CCT controls the intensity of the fixture; an additional, externally mounted control device is needed to control the CCT. See [RSP-P-010-347](#)

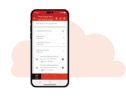
The WPNPS option is available with WLS or WPS sensors. Must be specified when ordered. Also note that WLS and WPS are also compatible with ESP-L-010-347 and ESP-P-010-347, respectively. Learn more about WaveLinX EM [here](#).

## Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.



**Luminaire with standalone sensor**



**Standalone Spaces WaveLinX LITE**



**Standalone Spaces WaveLinX CAT**



**Networked Spaces WaveLinX PRO**



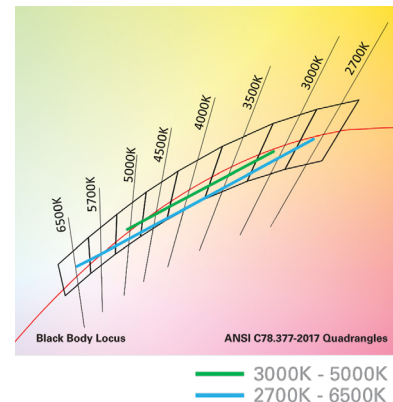
**Enterprise WaveLinX CORE**

|                   | Luminaire with standalone sensor | Standalone Spaces WaveLinX LITE | Standalone Spaces WaveLinX CAT | Networked Spaces WaveLinX PRO | Enterprise WaveLinX CORE   |
|-------------------|----------------------------------|---------------------------------|--------------------------------|-------------------------------|----------------------------|
| Occupancy         | Yes                              | Yes                             | Yes                            | Yes                           | Yes                        |
| Daylighting       | Yes                              | Yes                             | Yes                            | Yes                           | Yes                        |
| Wallstations      | -                                | Yes                             | Yes                            | Yes                           | Yes                        |
| Gateways          | -                                | -                               | -                              | 1 WAC                         | 300 WACs                   |
| Devices (MAX)     | -                                | 40 per Area (1120 per space)    | 40 per Area                    | 200 per WAC2                  | 32,500 per CORE Enterprise |
| Software          | -                                | WaveLinX LITE Mobile App        | WaveLinX CAT Mobile App        | WaveLinX Mobile App           | CORE                       |
| Areas             | -                                | 28 per Space                    | Unlimited                      | 50 per WAC2                   | up to 3,000                |
| Zones             | -                                | 16 per Area                     | 16 per Area                    | 16 per Area                   | up to 9,000                |
| Scheduling        | -                                | -                               | -                              | Local                         | Global                     |
| VividTune™        | -                                | -                               | -                              | Yes                           | Yes                        |
| Plug-Load Control | -                                | Yes                             | Yes                            | Yes                           | Yes                        |
| Low-Voltage Power | -                                | -                               | Yes                            | Yes                           | Yes                        |
| Integration       | -                                | -                               | -                              | -                             | BACnet, API                |
| Dashboards        | -                                | -                               | -                              | -                             | Energy, Occupancy          |
| Configuration     | -                                | Installer                       | Installer                      | Technician                    | Technician / IT            |



## 22RLN LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



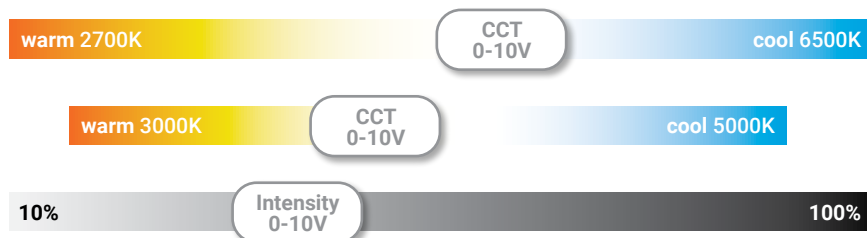
### Performance Data\*

| Tunable White - Lumen Adjustment Factors (example only) |             |        |             |        |
|---|-------------|--------|-------------|--------|
| CCT   | 3000K-5000K |        | 2700K-6500K |        |
|   | 80 CRI      | 90 CRI | 80 CRI      | 90 CRI |
| 2700K   | -           | -      | 0.905       | 0.773  |
| 3000K   | 0.932       | 0.767  | 0.931       | 0.804  |
| 3500K   | 0.986       | 0.838  | 0.964       | 0.844  |
| 4000K   | 1.036       | 0.905  | 0.984       | 0.871  |
| 4500K   | 1.045       | 0.921  | 1.002       | 0.894  |
| 5000K   | 1.045       | 0.921  | 1.016       | 0.911  |
| 6500K   | -           | -      | 1.031       | 0.936  |

| 2' x 2' RLNLED - Example of Approximate Lumen Calculation |                             |                                |                                |
|---|-----------------------------|--------------------------------|--------------------------------|
|   | Standard Catalog #          | VividTune 80 CRI Catalog #     | VividTune 90 CRI Catalog #     |
| CCT Setting   | 22RLN-LD5-25-UNV-L835-CD1-U | 22RLN-LD5-25-UNV-L83050-W2A1-U | 22RLN-LD5-25-UNV-L93050-W2A1-U |
| 3000K   | -                           | 2370                           | 1950                           |
| 3500K   | 2543                        | 2507                           | 2131                           |
| 4000K   | -                           | 2635                           | 2301                           |
| 4500K   | -                           | 2657                           | 2342                           |
| 5000K   | -                           | 2657                           | 2342                           |

### Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to [www.cooperlighting.com](http://www.cooperlighting.com) for tunable white application guides.



### Example of Lumen Adjustment Calculation

22RLN-LD5-25-UNV-L83050-W2A1-U  
at 80 CRI tuned to 3500K

Adjusted Lumen =  
published lm x adjusted lm factor

Adjusted Lumen = 2543 x 0.986

Adjusted Lumen = 2507 lm

\* Lumen adjustment factors are for reference  
and may be different for each product selected.  
Refer to IES files for actual performance data on each.