RZL LED Linear Suspended Luminaire

Cooper Lighting by Eaton
Linear LED solution for the big space

The RZL combines functionality, energy efficiency, and aesthetics to fit a wide range of spaces

The RZL by Corelite is a powerful linear direct/indirect LED continuous row system that provides a cost effective solution to new and retrofit construction for large open ceiling environments. The RZL’s clean, compact profile combined with multiple shielding options and high efficacies make it ideal for achieving horizontal and vertical uniformity in a variety of building environments including aisles, open offices, retail, and low bay applications.
Eliminate costly relamping

Fluorescent and HID relamping costs can add up quickly. The RZL minimizes ownership costs with a long rated life and a low maintenance design that keep the ladders and lifts out of sight.
Enhance the shopper’s experience with high quality lighting

Supermarket applications require lighting that creates open and inviting atmospheres for browsing and buying. The RZL LED luminaire does this by providing beautiful, crisp white light with high color accuracy and uniformity for a more effective consumer experience. The optical design of the RZL enables uniform light output on the vertical stacks with wide fixture spacing. And while properly lighting up aisles and displays, it is also very efficient. The low energy consumption of the RZL saves you money with up to 55% energy savings over traditional fluorescent luminaires. Receive instant gratification in knowing that every moment the RZL is installed, you are saving money and energy over an equivalent fluorescent solution.

SUPERMARKET RETAIL APPLICATION

<table>
<thead>
<tr>
<th>Lensing</th>
<th>Light Level</th>
<th>Mounting Height</th>
<th>Spacing</th>
<th>Horizontal Illuminance</th>
<th>Vertical Max/Min</th>
<th>Lighting Power Density</th>
<th>Room Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>WF</td>
<td>3</td>
<td>14’</td>
<td>16’ o/c</td>
<td>46 fc @ floor</td>
<td>1.8 : 1</td>
<td>0.74 w/ft²</td>
<td>350’L x 120’W x 20’H</td>
</tr>
</tbody>
</table>

RZL-WF-3L35-1D-UNV-AC120-T1-80
Enterprise systems enabled

RZL luminaires are available with Fifth Light DALI drivers for complete digital energy management using Fifth Light addressable lighting controls.
Create smart modern offices with the RZL

The RZL provides a refined industrial style that is versatile not only in performance, but also in appearance. This blend of modern simplicity and elegant angles provides a well-suited, aesthetically pleasing profile for open office applications. Five different shielding variations are available to fit different architectural styles and preferences. As building codes and standards continue to become more stringent, it’s important to look at lighting and controls as a single package. The RZL includes a standard 0-10V continuous dimming driver for easy and flexible integration with lighting control panels, occupancy sensors, daylighting controls and room controllers.

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<tbody>
<tr>
<td>NB</td>
<td>1</td>
<td>8’</td>
<td>14’ o/c</td>
<td>48 fc @ 30” AFF</td>
<td>1.2 : 1</td>
<td>0.29 w/ft²</td>
<td>50’L x 25’W x 10’H</td>
</tr>
</tbody>
</table>
Great RZL companion

LED Stasis track fixtures by Halo® are a great companion to the Corelite RZL with the perfect combination of high intensity accenting and soft ambient illumination. Visit www.cooperlighting.com for more information.
The perfect blend of style and performance for successful retail spaces

High ceiling environments such as large retail spaces can benefit greatly from long linear rows of RZL. The aesthetically pleasing low glare design allows the RZL to be installed closer to the task plane compared to high wattage HID luminaires. This creates an opportunity to use less lumens to achieve the same light levels and ultimately save energy. Installation costs are also reduced with fewer electrical connections needed for long continuous runs.

### SPORTING GOODS RETAIL APPLICATION

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</thead>
<tbody>
<tr>
<td>WL</td>
<td>4</td>
<td>16’</td>
<td>15’ o/c</td>
<td>57 fc @ 30” AFF</td>
<td>1.0 : 1</td>
<td>0.69 w/ft²</td>
<td>80’L x 65’W x 20’H</td>
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</tbody>
</table>

RZL-WL-4L35-1D-UNV-AC48-ST-56
Superior LED life

The RZL's LED dedicated design allows for extremely long life. Greater than 70% of the initial light output is maintained after 60,000 hours of operation. Assuming an average usage of 12 hours per day, this equates to nearly 14 years! Combined with other benefits such as low heat, no Mercury and no ultraviolet emissions, LED technology is perfect for almost all applications.
Clean minimal design with highly advanced LED lighting technology

Laboratories and educational environments demand high visual acuity and performance. Light Levels 4 or 5 can easily deliver the recommended 100 footcandles to the work surface. Selecting the uplight option provides 15% uplight for an open space feel while concentrating the majority of the light to the task surfaces. Laboratory spaces are perfect for enclosed, compact fixtures, like the RZL with its smooth angular exterior surfaces that are easy to clean and less apt to collecting dust.
Integral emergency battery backup

The integral emergency battery backup option allows the RZL to illuminate a path of egress in the event of a power failure. In many cases, this eliminates the need for secondary emergency light sources thus simplifying design and reducing cost.
Flexibility and simplicity with the surface mount option

The RZL LED luminaire is ideal for retrofit opportunities such as fitness centers, where constant activity and large stationary equipment can make it difficult to access luminaires that require constant maintenance and relamping. The surface mount option is another great tool that adds design flexibility in the building environment. The five light level options also provide the flexibility to dial in the correct light level based on required mounting heights or spacing.

**FITNESS CENTER APPLICATION**

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<th>Horizontal Illuminance</th>
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<th>Lighting Power Density</th>
<th>Room Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>WL</td>
<td>1</td>
<td>10'</td>
<td>10' o/c</td>
<td>39 fc @ 30&quot; AFF</td>
<td>2.7 : 1</td>
<td>0.45 w/ft²</td>
<td>50'L x 21'W x 10'H</td>
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</table>

RZL-WL-1L35-1D-UNV-SU-JB-12
The RZL is easy to install

Designed with the installer in mind, the RZL is packed with features that help save time, minimize manpower requirements, and make the contractor’s job easier. Refer to the Key Features page for more details.
Achieve higher vertical light distribution for uncompromised uniformity

Libraries are difficult to light due to the fact that stacks need 35-40 fc on the vertical surfaces, but also need to be glare free when entering a stack aisle. The combined benefits of the micro baffle, which shields the viewing angle from the source, and efficacies surpassing 100 lumens per watt, make the RZL an easy choice. The RZL also has an integral sensor option for PIR motion sensing and daylight harvesting capabilities right out of the box. The sensor system is factory installed in the luminaire, switching on or off based on occupancy, and dimming the light when enough daylight is available. The overall energy savings from combining innovative control devices with the functionality of the fixtures allow for outstanding results for the lighting design of the space.

### LIBRARY APPLICATION

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<tbody>
<tr>
<td>WB</td>
<td>3</td>
<td>10'</td>
<td>10' o/c</td>
<td>53 fc avg. @ floor</td>
<td>3.6 : 1</td>
<td>0.9 w/ft²</td>
<td>50’L x 100’W x 15’H</td>
</tr>
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</table>

RZL-WB-3L35-1D-UNV-AC48-ST-32
KEY FEATURES

The RZL upholds the Corelite legacy of functionality and installation ease. With numerous standard options from integral battery packs to onboard occupancy and daylight sensors, it’s the extensive breath of useful features that sets the RZL series apart.

Straight Long Runs, Joined Easily

Fixtures are seamlessly connected together with a proprietary internal joining sleeve that provides rigidity and durability for long product runs. Simply attach the joining sleeve on one side, slide the fixture over the joining sleeve and attach with two screws on each side.

Future Proof Design

To address the projected performance growth of LEDs, the mechanical design of the luminaire allows for the replacement of the LED modular assemblies as well as easy access to the LED drivers.

High Efficacy Light Levels

No longer constrained by the limited and inefficient light outputs derived from fluorescent lamping configurations, the RZL offers an LED dedicated design with five standard high efficacy lumen packages. These lumen packages provide commercial building owners, retailers and institutions the flexibility to dial in the desired light level for their spaces while eliminating excess light and increasing energy savings. Light level 5 produces over 8,000 lumens per 4’ section which addresses the high light level requirements of retail and supermarket applications.
Five Efficient Styling Options

The RZL has five distinct shielding options available to choose from. Each option provides high quality, soft comfortable light while minimizing visual glare.

**WB** – Luminous sides for 15% uplight, snap-on clear prismatic lens w/ internal micro baffle

**NB** – Opaque sides for 100% downlight, lay-in flat clear prismatic lens w/ internal micro baffle

**WF** – Perf sides for visual uplight, large cell baffles with smooth concave center lens

**WL** – Luminous sides for 12% uplight, snap-on frosted prismatic lens

**NL** – Opaque sides for 100% downlight, lay-in flat frosted prismatic lens

Cut Down on Energy Usage with Integral Sensors

The integrated sensor option provides stand-alone operation with PIR motion and daylighting capabilities for auto on/auto off operation and daylight harvesting. The sensor comes pre-wired into the fixture with no commissioning required using thoughtful default settings. An optional hand-held remote allows for user control if needed with presets and multi-mode functions that are easy to set up. Sensor may be positioned in the end cap or between fixtures in the joiner cover.

Ideal for Retrofit Construction

The RZL is the ideal retrofit solution due to the fundamental benefits over traditional HID and fluorescent fixtures including fewer electrical connections and mounting points, wider row spacing while achieving equal or better uniformity ratios, and longer rated life (70% lumen maintenance at 60,000 hours). Fixtures are easily suspended with several ceiling type interface options and adjustable aircraft cable mounting hardware.
RZL Downlight
Suspended Direct LED Luminaire
General Lighting Applications

Micro Baffle
RZL-NB

RZL Downlight – 4’
Light Level 1 30W  2950 lms*
Light Level 2 42W  3940 lms*
Light Level 3 48W  4920 lms*
Light Level 4 66W  6400 lms*
Light Level 5 84W  7880 lms*

Frosted Linear Prismatic - RZL-NL

RZL Downlight Continuous Row

Companion Products

Z2 Recessed 1x4
Z2 Surface Mount 2x2

*Nominal lumens. Consult your representative for additional information.
**Construction**

Compact 3.5’ x 6.4” profile with a die-formed 20 gauge cold rolled steel upper combined with a die-formed aluminum lower housing. End Caps & Joining Covers: End caps and joiner covers are injection molded polycarbonate, mechanically attached with no fasteners. **Shading** Frosted or clear linear prismatic lay-in flat lens is 0.125 inch thick. NB option includes a white micro baffle inlay to minimize visual glare. **Electrical** Cooper LEDs are available in 3000K, 3500K or 4000K with a typical CRI ≥ 85. Modules are coupled with high efficiency electronic LED drivers for optimal performance. Standard drivers are 0-10 volt continuous dimming that work with any 0-10V control/dimmer. Use of -STD in driver options is required. **Mounting** Aircraft cable mounts on 4’-0”, 8’-0” and 12’-0” centers. Refer to installation instructions for various ceiling interface details. Rigid pendant options are available. **Finish** Fixture housings are high reflectance white (standard) using electrostatically applied polyester powder coat paint. Silver and custom colors are available. Injection molded pieces are color matched. **Compliance** Components are UL recognized and luminaires are cULus listed for 25ºC ambient environments, Damp Location listed, and RoHS compliant. **Life and Warranty** Greater than 70% lumen maintenance expected at 60,000 hours, based off of LM-80 test data and TM-21 standards. Five-year warranty.

**Notes**

1. Dimming wires come standard with all fixtures. Control wires can be capped in the field for standard switched circuit operation.
2. Consult factory for 347V availability.
3. Standard row configurations over 12’ consist of 8’ and 12’ sections.
4. Sensor must be combined with 0-10V dimming driver. Not all options available. Please consult your local Cooper Lighting representative for availability.

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**ORDERING EXAMPLE**

RZL-NB-3L35-1D-UNV-AC48-T1-12
RZL Uplight
Suspended Semi-Direct LED Luminaire
General Lighting Applications

Micro Baffle
RZL-WB

RZL Uplight – 4'
Light Level 1 30W 3170 lms*
Light Level 2 42W 4230 lms*
Light Level 3 48W 5280 lms*
Light Level 4 66W 6870 lms*
Light Level 5 84W 8450 lms*

*Nominal lumens. Consult your representative for additional information.

Companion Products

Z MINI 1X1
Z3 Recessed 2x2
### Construction
Compact 3.5" x 6.4" profile with a die-formed 20 gauge cold rolled steel upper combined with a die-formed aluminum lower housing. **End Caps & Joining Covers** End caps and joiner covers are injection molded polycarbonate, mechanically attached with no fasteners. **Shielding** Frosted or clear linear prismatic snap-in three sided lens is 0.125 inch thick. WB option includes a white micro baffle inlay to minimize visual glare. **Electrical** Cooper LEDs are available in 3000K, 3500K or 4000K with a typical CRI ≥ 85. Modules are coupled with high efficiency electronic LED drivers for optimal performance. Standard drivers are 0-10 volt continuous dimming that work with any 0-10V control/dimmer (Specify -STD in driver options). **Mounting** Aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers. Refer to installation instructions for various ceiling interface details. Rigid pendant options are available. **Finish** Fixture housings are high reflectance white (standard) using electrostatically applied polyester powder coat paint. Silver and custom colors are available. Injection molded pieces are color matched. **Compliance** Components are UL recognized and luminaires are cULus listed for 25ºC ambient environments, Damp Location listed, and RoHS compliant. **Life and Warranty** Greater than 70% lumen maintenance expected at 60,000 hours, based off of LM-80 test data and TM-21 standards. Five-year warranty.

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3. Standard row configurations over 12' consist of 8' and 12' sections.  
4. Sensor must be combined with 0-10V dimming driver.

### Conclusion
Not all options available. Please consult your local Cooper Lighting representative for availability.

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### UPLIGHT ORDERING

#### SERIES
- **RZL** Linear Semi-Direct LED Luminaire

#### OPTICS UP
- **W** White - Uplight Version (15% up)

#### OPTICS DOWN
- **B** Internal Micro Baffle with Clear Prismatic Lens  
- **L** Frosted Prismatic Lens

#### LIGHT LEVEL
- **1** Light level 1  
- **2** Light level 2  
- **3** Light level 3  
- **4** Light level 4  
- **5** Light level 5

#### COLOR TEMPERATURE
- **L30** LED 3000K  
- **L35** LED 3500K  
- **L40** LED 4000K

#### NUMBER OF CIRCUITS
- **1** 1 circuit

#### WIRING
- **C** Standard Circuit  
- **D** Dimming  
- **B** Battery Pack  
- **E** Emergency  
- **T** Nightlight  
- **Y** Daylight

#### VOLTAGE
- **120** 120V  
- **277** 277V  
- **UNV** Universal 120V-277V  
- **347** 347V

#### SUSPENSION
- **A** Aircraft Cable  
- **P** Rigid Pendant  
- **SU-JB** Surface Mount

#### POWER FEED
- **C** Straight Cord  
- **K** Curly Cord  
- **P** Rigid Pendant

#### SUSPENSION LENGTH
- **Adjustable Cable** 48", 120", 240", 300", or 360"  
- **Rigid Pendant** 12", 24", 36", 48", 60", 72", 84", or 96"

#### CEILING TYPE
- **T1** 1" T-Bar  
- **T9** 9/16" T-Bar  
- **TS** Slotted T-Bar  
- **ST** Structure  
- **JB** 4" Octagonal J-Box

#### LENGTH
- **4** 4'  
- **8** 8'  
- **12** 12'  
- **XX** Specify length  

#### DRIVER OPTIONS
- **STD** Standard 0-10V driver  
- **STP** Step Dim Driver  
- **5LT** FifthLight DALI Driver  

#### INTEGRAL CONTROL OPTIONS
- **SV** Integral Occupancy/Daylight Sensor

#### FINISH
- **W** White (Standard)  
- **S** Silver  
- **CC** Custom color

### ORDERING EXAMPLE
- **RZL-WB-3L35-1D-UNV-AC48-T1-12**
RZL Metal Baffle
Suspended Direct LED Luminaire
General Lighting Applications

Micro Baffle
RZL-WF

RZL Metal Baffle – 4’
Light Level 1  30W  3000 lms*
Light Level 2  42W  4000 lms*
Light Level 3  48W  5030 lms*
Light Level 4  66W  6530 lms*
Light Level 5  84W  8050 lms*

*Nominal lumens. Consult your representative for additional information.
## Metal Baffle Ordering

**Construction**
Compact 3.5” x 6.4” profile with a die-formed 20 gauge cold rolled steel upper combined with a die-formed aluminum lower housing.

**End Caps & Joining Covers**
End caps and joiner covers are injection molded polycarbonate, mechanically attached with no fasteners. Shielding Die-formed aluminum baffle assembly with perforated aluminum sides for visual uplight contribution. Smooth frosted acrylic center lens to eliminate direct view of the LEDs from below. Electrical Cooper LEDs are available in 3000K, 3500K or 4000K with a typical CRI ≥ 85. Modules are coupled with high efficiency electronic LED drivers for optimal performance. Standard drivers are 0-10 volt continuous dimming that work with any 0-10V control/dimmer (Specify -STD in driver options).

**Mounting**
Aircraft cable mounts on 4’-0”, 8’-0” and 12’-0” centers. Refer to installation instructions for various ceiling interface details. Rigid pendant options are available.

**Finish**
Fixture housings are high reflectance white (standard) using electrostatically applied polyester powder coat paint. Silver and custom colors are available. Injection molded pieces are color matched. Compliance Components are UL recognized and luminaires are cULus listed for 25ºC ambient environments, Damp Location listed, and RoHS compliant. Life and Warranty Greater than 70% lumen maintenance expected at 60,000 hours, based off of LM-80 test data and TM-21 standards. Five-year warranty.

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2. Consult factory for 347V availability.
3. Standard row configurations over 12’ consist of 8’ and 12’ sections.
4. Sensor must be combined with 0-10V dimming driver.

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### Ordering Example

RZL-WF-3L35-1D-UNV-AC48-T1-12
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F: 905-501-3172

Our Lighting Product Brands
Halo
Halo Commercial
IRiS
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLITE
Sure-Lites

Our Controls Product Brands
Greengate
iLumin
Zero 88
Fifth Light Technology
iLight (International Only)