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LINEAR LED LUMINAIRE

**PROTEON<sup>TM</sup> SL**



# PERFORMANCE NEVER LOOKED SO GOOD...

Lithonia Lighting used its vast knowledge and experience of applications to address age-old lighting challenges through the use of efficient and reliable LED technology. The PROTEON SL professional-grade LED solution was built from the ground up, utilizing the most current LED electronics, precision optics and unique accessories to solve illumination and application challenges that have existed for decades. The PROTEON SL luminaire is the ideal LED lighting solution for suspended applications where quality lighting and architectural form is valued. Benefit from:

- Improved uniformity on both vertical and horizontal surfaces.
- Accent lighting on racks and shelving to emphasize merchandise or materials.
- Seamless integration of emergency lighting, uplight and occupancy sensor/photosensor.



## PICTURE THIS...

A modern, discrete form factor that complements almost any architecture or décor. The PROTEON SL linear LED luminaire was designed using direct feedback from the most highly respected lighting designers. It features a 3" diameter round profile, satin anodized-aluminum rails and powder-coated accents to provide a clean design that will never go out of style.

## PROTEON SL

is a SUSPENDED, LINEAR LED SOLUTION that can be used in a stand-alone or continuous-row installation.

# SUPERIOR UNIFORMITY

For decades, lighting designers and engineers have been challenged with obtaining the desired uniformity and vertical illumination for aisle applications containing shelves and racking. Traditional light sources emitted twice the amount of ambient light needed to achieve the required light on the vertical plane. This **2:1** relationship made it difficult to focus attention to the darker vertical surfaces, and also led to much higher energy and maintenance costs.

The **PROTEON SL** addresses this challenge by allowing a **1:1** relationship between the ambient and vertical lighting. This is accomplished by synchronizing multiple, state-of-the-art components to focus the light precisely on task. In aisle applications, the vertical surface is lit equally as well as the ambient space, thus emphasizing products on the vertical surface. The quality of lighting provides a sophisticated appearance that is not possible with traditional light sources.



fluorescent | 2:1 horizontal to vertical



PROTEON™ SL | 1:1 horizontal to vertical

# ADVANCED ELECTRONICS



Two industry leaders created one advanced electrical system.

To optimize performance and reliability, Lithonia Lighting partnered with OSRAM SYLVANIA to develop the most advanced LED electronics. The PROTEON SL design allowed OSRAM SYLVANIA to optimize the driver and LED board design. This joint development effort resulted in a wireless optical chamber, seamless placement of the most current LED emitters and a highly efficient driver that ensures the system performs flawlessly at both full power and within its 10-100% dimming range.

# EMERGENCY LIGHTING



Every commercial building is required to have sufficient emergency lighting to illuminate a path of egress in the event of a power failure.

The PROTEON SL has an innovative emergency battery back-up solution that was developed specifically for this function. A bi-directional LED module focuses light directly on the path of egress for a minimum of 90 minutes so occupants can safely exit the space. It can be installed as an accessory on any continuous-row installation and can be variably spaced to support different mounting heights. When installed, its low-profile design practically disappears to maintain the fixture's refined appearance.

# INTEGRATED SENSOR

LED technology allows us to take full advantage of integrated sensors.

A low-profile occupancy sensor/photo sensor can be installed to control an entire continuous row of luminaires. This sensor option has a 360° coverage pattern and allows the PROTEON SL LED to dim down or turn off during periods of inactivity or when adequate natural light is present.



Photo sensor integrated for 0-10V dimming

# UPLIGHT

We know many lighting designs require uplight.

Uplight has been built into many lighting specifications over the last several years, yet not all linear fixtures are designed to accommodate uplight. Taking this into consideration, the PROTEON SL LED solution offers a factory-installed LED uplight option that provides a wide distribution of light for improved uniformity.



# ORDERING INFO

| ORDERING INFORMATION |    | Lead times will vary depending on options selected. Consult with your sales representative. |             |         |       |                   |                   |         |                                                                                                                               |         |                                              | Example: PTNSL4 ND LP841 |  |
|----------------------|----|---------------------------------------------------------------------------------------------|-------------|---------|-------|-------------------|-------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------|--------------------------|--|
| Series               |    | Distribution                                                                                |             | Voltage |       | Color temperature |                   | Finish  |                                                                                                                               | Options |                                              |                          |  |
| PTNSL4               | 4' | AD1                                                                                         | Aisle, 17°  | (blank) | MVOLT | LP835             | 83 CRI, 3500K CCT | (blank) | Extruded aluminum with textured dark gray joiners/end caps<br><br>DWH<br>Extruded aluminum with gloss white joiners/ end caps | CRE     | Continuous row, end, one end cap included    |                          |  |
| PTNSL8               | 8' | AD2                                                                                         | Aisle, 24°  | 120     | 120V  | LP841             | 83 CRI, 4100K CCT |         |                                                                                                                               | CRM     | Continuous row, middle, no end caps included |                          |  |
|                      |    | ND                                                                                          | Narrow area | 208     | 280V  | LP850             | 83 CRI, 5000K CCT |         |                                                                                                                               | PLR1G   | Single-circuit through wire                  |                          |  |
|                      |    | WD                                                                                          | Wide area   | 240     | 240V  |                   |                   |         |                                                                                                                               | PLR22G  | Two-circuit alternating, through wire        |                          |  |
|                      |    |                                                                                             |             | 277     | 277V  |                   |                   |         |                                                                                                                               | PLR1LVG | Single-circuit through wire, low voltage     |                          |  |
|                      |    |                                                                                             |             |         |       |                   |                   |         |                                                                                                                               | GLR     | Internal fast-blow fuse <sup>1</sup>         |                          |  |
|                      |    |                                                                                             |             |         |       |                   |                   |         |                                                                                                                               | CS93BL  | Cord no plug, black <sup>2</sup>             |                          |  |
|                      |    |                                                                                             |             |         |       |                   |                   |         |                                                                                                                               | CS11BL  | 277V twist-lock, black <sup>1,2</sup>        |                          |  |
|                      |    |                                                                                             |             |         |       |                   |                   |         |                                                                                                                               | CS1BL   | 120V straight plug, black <sup>1,2</sup>     |                          |  |
|                      |    |                                                                                             |             |         |       |                   |                   |         |                                                                                                                               | UPL     | Uplight, non-dimming                         |                          |  |

| Accessories: Order as separate catalog number. |                                                                |
|------------------------------------------------|----------------------------------------------------------------|
| PTNSL ELS                                      | Field installable emergency battery pack <sup>3,4</sup>        |
| PTNSL ES7                                      | Field installable occupancy sensor/photo sensor <sup>3,4</sup> |
| AFAC120                                        | Adjustable aircraft cable, 120"                                |
| ZAC120                                         | Adjustable aircraft cable, 120"                                |
| ZACFP120                                       | Adjustable aircraft cable with feed, and canopy 120"           |
| TGCLP                                          | T-grid clips <sup>5</sup>                                      |

- Notes
- 1

Must specify voltage.
- 2

All cords are 18/3, 6' black. If plug is included voltage must be specified. Other configurations available, consult factory. White cords available, replace BL with W (Ex: CS93W).
- 3

Must specify voltage. 120 or 277 only.
- 4

Textured dark gray standard. Specify DWH for gloss white (Ex: PTNSL ELS DWH).
- 5

Compatible with ZAC120 and ZACFP120 only.