

# PHILIPS

## LED System

### PrimeSet RDL500



# Flexible refrigeration lighting

Philips PrimeSet RDL500 system is a future-proof, energy-saving lighting solution for vertical glass-door refrigerated display cases. PrimeSet RDL500 delivers the next generation of vertical door refrigeration lighting. It offers flexible installation options and may be used with center or side modules in a wide variety of display cases. With a color rendering of 85, it provides excellent visibility of merchandise on display. Energy efficiency and attractive payback times add to the appeal the PrimeSet LED lighting system.

## Features

- Center- and side-lit display case compatibility
- 50,000-hour lifetime<sup>1</sup>
- Integrated optics waterproof to IP65
- 24VDC connector system
- 5-year limited warranty<sup>2</sup>

## Benefits

- Slim design for quick and easy retrofit or new installation
- Eliminates hotspots and provides even distribution of light across the shelves
- Compatible with most occupancy sensors and dimming systems
- Suitable for high moisture environments

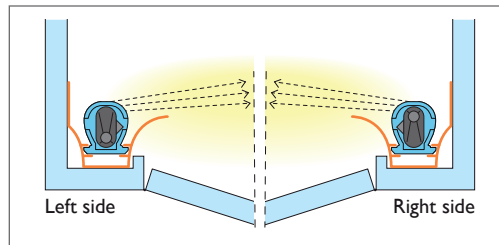
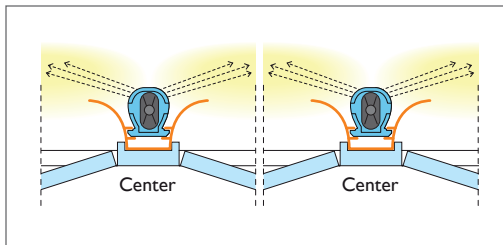
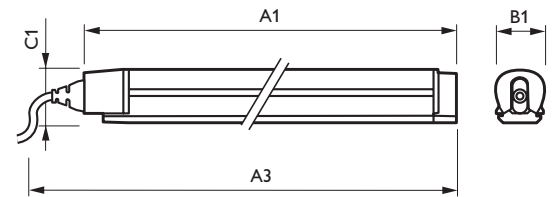
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## LED Fixtures<sup>5</sup>

| Description                           | Color Temp. <sup>4</sup> (K) | Wattage with Center Cable <sup>3</sup> (W) | Wattage with Side Cable <sup>3</sup> (W) | Illuminance <sup>6</sup> (Lux) | Color Rendering Index (CRI) | Dimension (in) |       |      |      | Ordering Code  |
|---------------------------------------|------------------------------|--|--|--------------------------------|-----------------------------|----------------|-------|------|------|----------------|
|                                       |                              |  |  |                                |                             | A1             | A3    | B1   | C1   |                |
| PrimeSet RDL 500 1700 mm (67") 850 G1 | 5000                         | 13   | 6.5                                      | 1000                           | 85                          | 66.87          | 67.72 | 0.81 | 0.91 | 9290 008 90106 |
| PrimeSet RDL 500 1700 mm (67") 841 G1 | 4100                         | 13   | 6.5                                      | 1000                           | 85                          | 66.87          | 67.72 | 0.81 | 0.91 | 9290 008 90306 |
| PrimeSet RDL 500 1500 mm (59") 850 G1 | 5000                         | 12   | 6  | 1000                           | 85                          | 59.01          | 59.84 | 0.81 | 0.91 | 9290 008 90506 |
| PrimeSet RDL 500 1500 mm (59") 841 G1 | 4100                         | 12   | 6  | 1000                           | 85                          | 59.01          | 59.84 | 0.81 | 0.91 | 9290 008 90706 |
| PrimeSet RDL 500 1200 mm (47") 841 G1 | 4100                         | 10   | 5  | 1000                           | 85                          | 47.16          | 48.03 | 0.81 | 0.91 | 9290 008 91106 |

## LED Mounting Extrusions

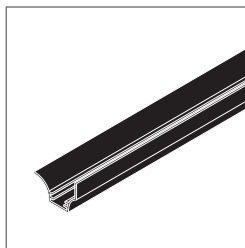
| Type                                       | Quantity Needed (per module) | Ordering Code  |
|--|------------------------------|----------------|
| PrimeSet RDL 67" center mounting extrusion | 1                            | 9290 008 94606 |
| PrimeSet RDL 67" side mounting extrusion   | 1                            | 9290 008 95306 |
| PrimeSet RDL 59" center mounting extrusion | 1                            | 9290 008 94506 |
| PrimeSet RDL 59" side mounting extrusion   | 1                            | 9290 008 95206 |
| PrimeSet RDL 47" center mounting extrusion | 1                            | 9290 008 97706 |
| PrimeSet RDL 47" side mounting extrusion   | 1                            | 9290 008 97806 |



The PrimeSet RDL500 fixture can be configured for side-lit or center-lit applications based upon whether the PrimeSet center cable or side cable is used. This feature makes PrimeSet the flexible choice in refrigeration lighting.



Center Extrusion



Side Extrusion

# PrimeSet RDL500 LED System

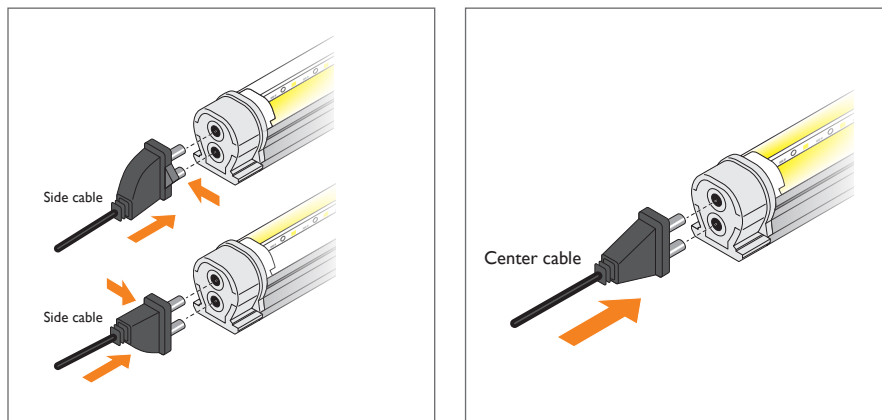
## Cable

| Type                          | Function                                    | Ordering Code  |
|-------------------------------|---|----------------|
| PrimeSet RDL Center cable 39" | Activate both sides (for center door frame) | 9290 008 92706 |
| PrimeSet RDL Side cable 39"   | Activate one side (for end door frame)      | 9290 008 92806 |

## LED Power Supplies

| Type                                   | Ordering Code    |
|--|------------------|
| Xitanium LED power driver 100W - 24VDC | LED120A0024V41RD |

Note: The LED driver should not be loaded beyond 80% of its rated maximum power.



The PrimeSet RDL500 design allows the beam to be thrown from the left or right side in a side-lit configuration. The triangular tip on the connector determines which side will be lit. In a PrimeSet RDL500 center-lit configuration, the beam is thrown from both sides.

### Footnotes:

1. The lifetime of the modules (in combination with an Xitanium LED power driver) is rated at 50,000 hours.
  2. See [www.philips.com/ledmodulesna](http://www.philips.com/ledmodulesna) and click on the appropriate product for complete warranty details.
  3. Values for nominal power levels can deviate by 20%, measured at -4° F (-20° C). Due to insufficient data points the values are best estimations.
  4. CCT values can deviate ±10%.
  5. Photometric testing available consistent with IES LM-79.
  6. Lighting levels are measured by a CCD camera at the center of the shelf at the center-most door of the case with a 6 inch distance between the back of the module and the front of the merchandise. These measurements were taken at in-store lighting level conditions. Values for nominal power and lighting levels can deviate by 20%, measured at -4° F (-20° C). Due to insufficient data points the values are best estimations.
- ‡ Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified.
- † DLC requires the product to meet specific performance requirements regarding: lumen output, spacing criteria, lumens per watt, color temperature, CRI, lifetime and warranty.

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Philips Lighting, North America Corporation  
200 Franklin Square Drive, Somerset, NJ 08873  
Tel. 855-486-2216

Imported by: Philips Lighting,  
A division of Philips Electronics Ltd.  
281 Hillmount Rd, Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008