

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 lifetime¹
- Integrated optics waterproof to IP65
- 24VDC connector system
- 5-year limited warranty²

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

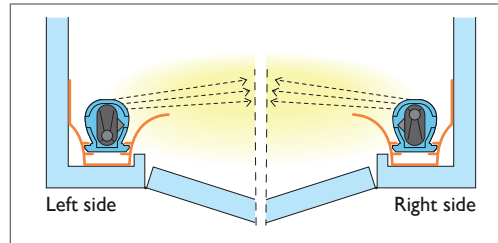
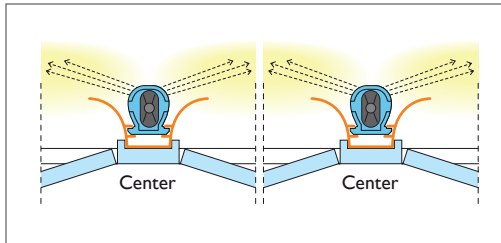
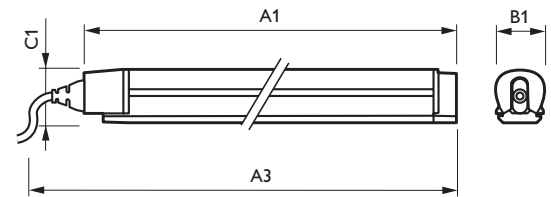
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LED Fixtures⁵

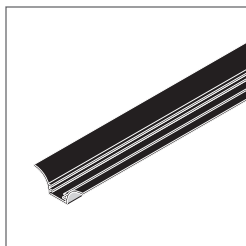
Description	Color Temp. ⁴ (K)	Wattage with Center Cable ³ (W)	Wattage with Side Cable ³ (W)	Illuminance ⁶ (Lux)	Color Rendering Index (CRI)	Dimension (in)				Ordering Code
						A1	A3	B1	C1	
PrimeSet RDL 500 1700 mm (67") 850 G1	5000	13	6.5	1000	85	66.87	67.72	0.81	0.91	9290 008 90106
PrimeSet RDL 500 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

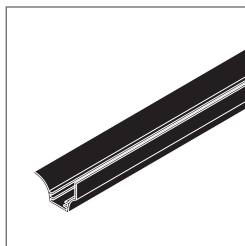
Type	Quantity Needed (per module)	Ordering Code
PrimeSet RDL 67" center mounting extrusion	1	9290 008 94606
PrimeSet RDL 67" side mounting extrusion	1	9290 008 95306
PrimeSet RDL 59" center mounting extrusion	1	9290 008 94506
PrimeSet RDL 59" side mounting extrusion	1	9290 008 95206
PrimeSet RDL 47"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

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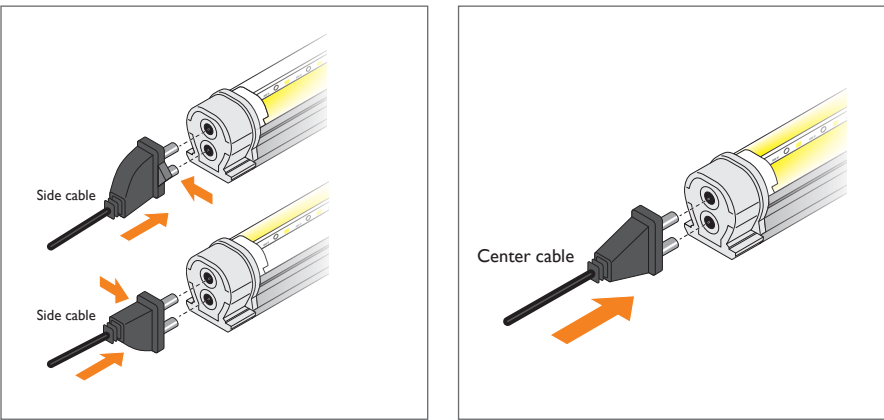
Cable

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 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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