

PL670 Series PerimeterLight

DESCRIPTION

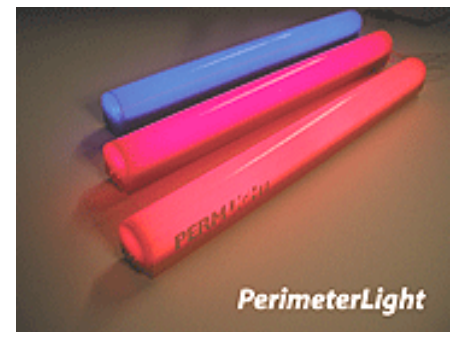
The PerimeterLight strip signage light module is comprised of a linear array of solid-state light emitting diodes (LEDs) mounted on an elongated printed circuit board. This board is encased inside a translucent plastic housing, which is sealed at its two ends. The PerimeterLight strip unit has interconnects at each end, which allows for easy modular interconnectivity, either to a power source or an adjacent PerimeterLight strip unit.

A series of these PerimeterLight strip units can be mounted end-to-end along the roof or edge of a building to produce a bright, continuous contour of light, similar to neon, but consuming only a fraction of the power that neon consumes.

PerimeterLight strip is made with an advanced optical grade high strength acrylic lens, which offers superior high temperature and moisture resistance performance in outdoor environments. The high strength acrylic extrusion lens material is tough and impact resistant. In addition, the high strength acrylic lens is doped with UV-a and UV-b inhibitors to reduce the effects of long-term exposure to direct sunlight.

PerimeterLight strip is available in a variety of colors: red, orange, and blue. It is easily installed on any surface with minimal surface penetration and is built to withstand the harshest environments.

PerimeterLight strip is made to custom lengths to order, and all fittings can be nearly concealed. Thus, each installation is customized for a location.



FEATURES

- LED-based solid state lighting module
- Long operation life and low power requirements
- High reliability in wide operating temperature
- Wide viewing angle and uniform appearance
- Easy modular interconnectivity
- High luminous intensity

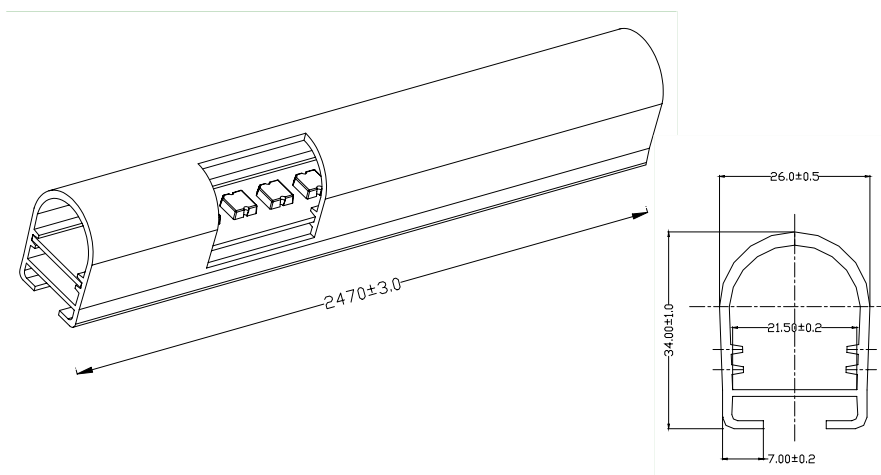
APPLICATIONS

- Border Tube Neon Replacement
- Uninterrupted Emergency Lighting
- Concealed Accent Lighting

POWER SUPPLIES

- 12 Watt Advance Transformer LED Driver
- 60 Watt Advance Transformer LED Driver

PACKAGE DIMENSIONS



PL670 Series – PerimeterLight

MECHANICAL CHARACTERISTICS

Outside Diameter	Typical	Units
Semicircular	26.0	mm

ELECTRICAL CHARACTERISTICS

Parameter	Typical	Units
Voltage		
Red-Orange	12	Vdc
Blue	24	Vdc
Current		
Red-Orange	1.20	A / 8feet
Blue	0.88	A / 8feet
Max. Run Length	32	feet
Power Dissipation (pd)		
Red, Orange	14.40	W / 8feet
Blue	21.12	W / 8feet
Weight	920	g / 8feet

TEMPERATURE RATINGS

Storage Temperature	
Power Supply	-40°C to +85°C
All other components	-40°C to +100°C
Operating Temperature	
Power Supply	-40°C to +85°C
All other components	-40°C to +85°C

OPTICAL CHARACTERISTICS

Dominant Wavelength (λ_{dom})	Typical	Units
Red (RR)	625	nm
Orange (N)	605	nm
Blue (B)	470	nm

		Units
Red	180	cd/m ²
Orange	180	cd/m ²
Blue	130	cd/m ²

Note:

1. Test device: SPECTRASCAN (made by POTO RESEARCH PR-650)
2. Test condition: Test 60cm light bar by photometer and record the intensity per 3cm.

SELECTION GUIDE

Part Number	Color	Unit
PL-670-RR-R08	Red	feet
PL-670-CR-N08	Orange	feet
PL-670-B-B08	Blue	feet

Note:

PL-670-XX-X08 (08 → eight feet)