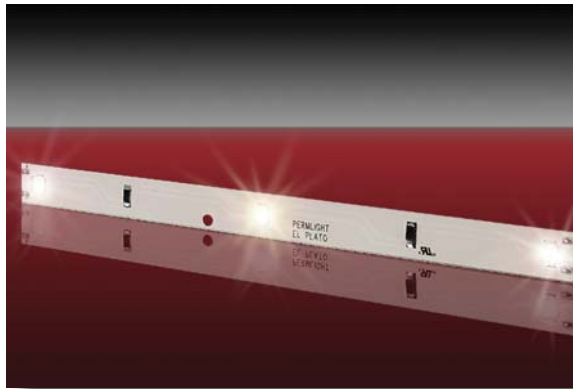


el PLATO™ PFS8510 LED System for Signs

LED Efficiency with Neon Performance

The el Plato™ Series is the latest revolutionary LED lighting system, for the sign industry, engineered by **Permlight for Signs™**. The system architecture incorporates the company's patented technology in thermal management and accommodates the latest and brightest LEDs in the industry. The result is our next generation LED system that outperforms 60mA white neon. el Plato represents the new performance benchmark in LED systems for the sign industry.

larger than 609.00mm tall. A single el Plato LED module is engineered to replace one linear foot of neon. The system operates at a low 12Volts, the standard for all Permlight for Signs LED modules.



Its Brilliant

Designed for a variety of applications, including large channel letters and cabinet signs, el Plato delivers the efficiency expected from an LED system without sacrificing performance.

Shades and Shades of White

Not only is the el Plato LED system offered in a variety of colors choices, the system is now available in FIVE different color temperatures, the broadest of any LED system available for the electric sign industry. That's another industry first.

Lowest Cost For Large Applications

el Plato is designed to be the economical solution for channel letter applications

Flexibility And Reliability

The system features Permlight's patent thermal management patent, coupling the metallic circuit board to the aluminum channel letter to provide superior heat transfer. The result is an LED system with the brightest light output and lowest profile in the industry.

Environmental Factor

el Plato is an environmentally sensitive alternative to traditional sign lighting. In addition to savings in energy and maintenance cost, Permlight's LED systems are free from harmful materials like lead and mercury.



PERMLIGHT
for signs

Technical Specifications

Power Consumption.....(see color specification matrix)

Maximum Input Voltage 12.3VDC

Estimated Life(see color specification matrix)

Operating Temperature @ 90% relative humidity -40°C to +50°C

LED Module Dimension..... 15.20mm x 215.90mm

Recommended Modules per Meter 3

Content Per Package 20 modules per package

System Certifications:

UL Recognized File E213411

UL Classified File (retrofit applications)..... E246705

Product Warranty 5 Year Limited (see Permlight for Signs website for details)

Required Components

30-12D-B-240..... 30 Watt LED Driver(240VAC Input - 12VDC Output)

60-12D-B-240..... 60 Watt LED Driver(240VAC Input - 12VDC Output)

120-12DC-B-240 120 Watt LED Driver(240VAC Input - 12VDC Output)

240-12DC-B-240 240 Watt LED Driver(240VAC Input - 12VDC Output)

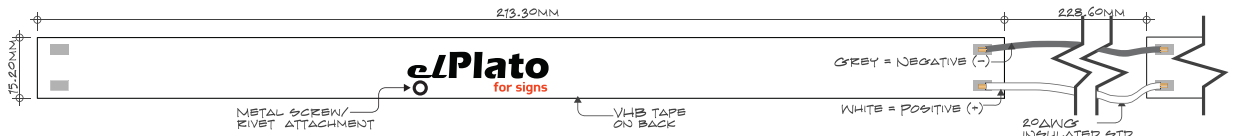
Color Specification

Part Number	Color: Wavelength (nm)/ Temperature (K)	Est. Life @ 70% Light Output (hours)	Avg. Power per Module (Watts)	Max. Modules 30-12D-B-240 ^[1] (units)	Max Modules 60-12D-B-240 ^[1] (units)
PFS8510R	Ruby Red (630nm)	100,000	2.8	11	22
PFS8510A	Amber (590nm)	40,000	3.5	8	17
PFS8510B	Blue (470nm)	40,000	3.5	8	17
PFS8510G	Green (525nm)	40,000	3.5	8	17
PFS8510W65	White (5600-7000K)	40,000	3.5	8	17
PFS8510W80	White (7000-9000K)	40,000	3.5	8	17
PFS851028	Warm White (2850K)	40,000	3.5	8	17
PFS851035	Halogen White (3500K)	40,000	3.5	8	17
PFS851041	Fluorescent White (4100K)	40,000	3.5	8	17

Notes:

^[1] The 30-12D-B-240 and 60-12D-B-240 are single output LED Drivers. The 120-12DC-B-240 (2-output) and 240-12DC-B-240 (4-output) LED Drivers have a limited output of 60Watts per channel, see product specification sheet for details.

Mechanical Dimension



led
modules

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