

The next generation of sign lighting provides you with a bright future.

El Plato from Permlight for signs, is the next revolutionary lighting system, engineered specifically for the sign industry.

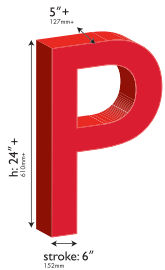
This system architecture incorporates Permlight's patented thermal management technology and accommodates the latest and brightest LEDs. This next generation module outperforms 60mA white neon and is capable of being used in place of fluorescents.

**Like all Permlight LED lighting systems,**

El Plato is the brightest, most efficient and best performing lighting system at the lowest overall cost of ownership - the modules shine brighter, consume less energy and deliver the lowest cost per lumen.

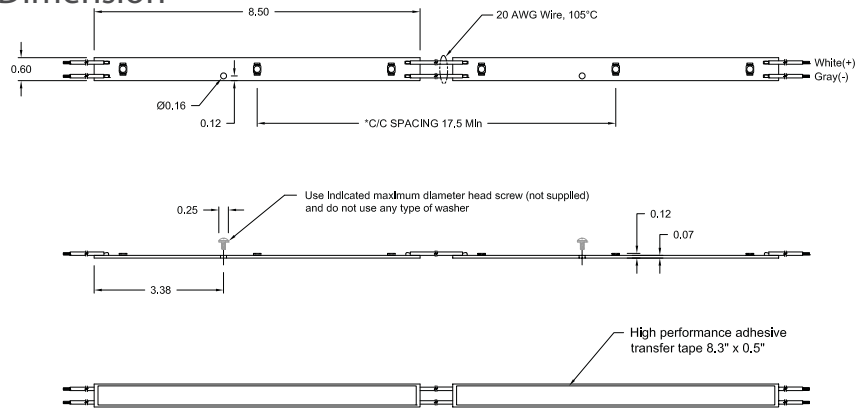
El Plato is designed as a solution for large channel letter applications, cabinet signs and a variety of other illuminated sign uses in excess of 24" high. It is offered in a variety of color choices and is also available in SIX different color temperatures of white and is, of course the perfect environmentally friendly alternative to traditional sign lighting.

The future does look brighter doesn't it?



led  
modules

### Mechanical Dimension



\* Other C/C spacing is available upon request

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X,XX = ± 0.01"  
X.X = ± 0.1"

### Technical Specifications

Product Warranty.....	5 Year Limited (see Permlight for Signs website for details)
LED Module Dimension .....	8.50" (215.90mm) x 0.60" (15.24mm)
Power Consumption, Estimated Life .....	(see color specification matrix)
Content Per Package .....	20 modules per package
Operating Temperature @ 90% relative humidity .....	-40°C to +50°C
Maximum Input Voltage .....	12.3VDC
Recommended Modules per Foot .....	1
System Certifications:	
UL Recognized File .....	E213411
UL Classified File (retrofit applications) .....	E246705

### Required Components

60-12D .....	60 Watt LED Driver (120-240 VAC Input - 12 VDC Output)
60-12D-A.....	60 Watt LED Driver (120 VAC Input - 12 VDC Output)
250-12DC.....	240 Watt LED Driver (120 VAC Input - 12 VDC Output)
250-12DC-240.....	240 Watt LED Driver (240 VAC Input - 12 VDC Output)
250-12DC-277 .....	240 Watt LED Driver (277 VAC Input - 12 VDC Output)

### Color Specification

Part Number	Color: Wavelength (nm)/ Temperature (K)	Est. Life @ 70% Light Output (hours)	Avg. Power per Module (Watts)	Max. Modules 60-12D <sup>[1]</sup> (units)	Max Modules 250-12DC <sup>[2]</sup> (units)
PFS8510W28	Warm White (2800K)	40,000	3.5	17	68 (17/channel)
PFS8510W35	Halogen White (3500K)	40,000	3.5	17	68 (17/channel)
PFS8510W41	Fluorescent White (4100K)	40,000	3.5	17	68 (17/channel)
PFS8510W51 <sup>[3]</sup>	Neutral White (5100)	40,000	3.5	17	68 (17/channel)
PFS8510W65	Daylight (6500K)	40,000	3.5	17	68 (17/channel)
PFS8510W80	Ultra White (8000K)	40,000	3.5	17	68 (17/channel)
PFS8510B	Blue (470nm)	40,000	3.5	17	68 (17/channel)
PFS8510G	Green (525nm)	40,000	3.5	17	68 (17/channel)
PFS8510R	Ruby Red (630nm)	100,000	3.0	20	80 (20/channel)
PFS8510A	Amber (590nm)	100,000	3.0	20	80 (20/channel)

Notes: <sup>[1]</sup> 60-12D series is a single channel 60 Watt LED Driver, see Product Specification Sheet for more information. <sup>[2]</sup> 250-12DC series is a 4 channel 240 Watt LED Driver, with a rated output of 60Watts per channel. <sup>[3]</sup> Custom color. Please allow up to 8 weeks for delivery.