

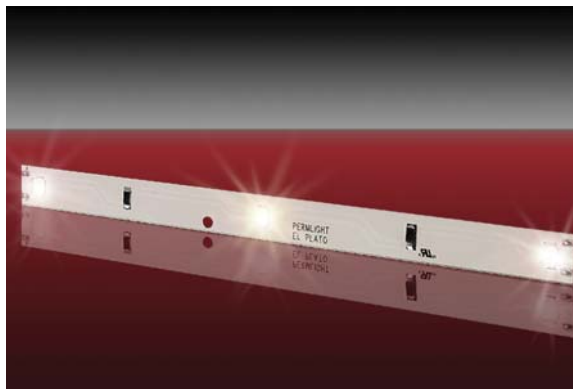
el PLATO™

747 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 exceeds the light output of a 60mA neon sign and the next LED systems benchmark for measuring brightness in the sign industry.

larger than 24.00" (609.60mm) tall. A single el Plato LED module is engineered to match one linear foot of neon in both light output and sign layout applications. The system operates at a low 12VDC, the standard for all Permlight for Signs LED modules produced since 2000.



Its Brilliant

Designed for a variety of channel letter type applications, el Plato provides the efficiency expected from an LED system and exceeds the equivalent high-output performance desired from

a neon sign.

Two Options Of Cool White

Available in a variety of colors, the system is also offered in TWO cool white color temperatures to deliver the best results in any application. 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, integrating a channel letter's aluminum construction for efficient operation. The result is an LED system with the brightest light output and lowest profile in the industry.

Environmental Factor

The el Plato can deliver savings of up to 81% to operate. Since the system utilizes Permlight's patent technology, the result is a product with the lowest material count to manufacture. This further reduces the systems overall carbon footprint over any competing product.



PERMLIGHT
for signs

422 West 6th Street, Tustin, CA 92780
T: (714) 508-0729 F: (714) 508-0920

www.permlightforsigns.com
PFSLM747-0908.02

led
modules

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 Dimension0.60" (15.24mm) x 8.50" (215.90mm)

Recommended Modules per Foot..... 1

Content Per Package 10 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

60-12D 60 Watt LED Driver (120-240VAC Input - 12VDC Output)

60-12DA 60 Watt LED Driver (120VAC Input - 12VDC Output)

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

250-12DC-220 240 Watt LED Driver (240VAC Input - 12VDC Output)

250-12DC-277 240 Watt LED Driver (277VAC 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 60-12D ^[1] (units)	Max Modules 250-12DC ^[2] (units)
747-RED	Ruby Red (630nm)	100,000	2.5	24	96 (24/channel)
747-AMBER	Amber (590nm)	40,000	3.5	17	68 (17/channel)
747-BLUE	Blue (470nm)	40,000	3.5	17	68 (17/channel)
747-GREEN	Green (525nm)	40,000	3.5	17	68 (17/channel)
747-WHT-A6	White (5600-7000K)	40,000	3.5	17	68 (17/channel)
747-WHT-A8	White (7000-9000K)	40,000	3.5	17	68 (17/channel)

Notes:

^[1] 60-12D series is a single channel 60 Watt LED Driver, see Product Specification Sheet for more information.

^[2] 250-12DC series is a 4 channel 240 Watt LED Driver, with a maximum rated output of 60 Watts per channel. See Product Specification Sheet for more information.

Mechanical Dimension

