

Red Alert!

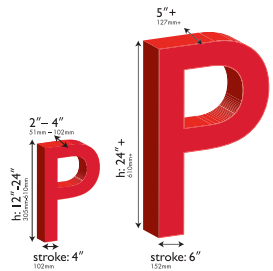
Permlight for Signs' Cayenne is a new, super bright red and amber, LED module for medium to large applications. It is a dramatic enhancement to PFS's High Brightness Series line. The unmatched brightness levels, provide a compact LED module that can be used in a wide range of channel letters, and affords illuminated sign fabricators a new level of flexibility and economy.

Like all Permlight LED lighting systems,

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

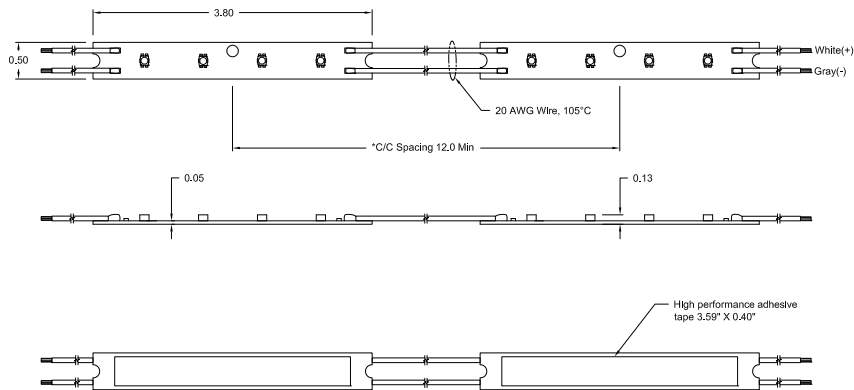
Because Cayenne produces an incredible 200 nits of luminance on the face of a standard depth channel letter when used at normal spacing, it creates the opportunity to push the boundaries of sign fabrication, with maximum effectiveness, efficiency and earth friendliness.

Cayenne – more efficient, economical and finally, really bright RED.



led
modules

Mechanical Dimension



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

* Other C/C spacing is available upon request

Technical Specifications

| | |
|---|--|
| Product Warranty..... | 5 Year Limited (see Permlight for Signs website for details) |
| LED Module Dimension | 3.80" (96.50mm) x 0.50" (12.70mm) |
| Power Consumption, Estimated Life | (see color specification matrix) |
| Content Per Package | 25 modules per package |
| Operating Temperature @ 90% relative humidity | -40°C to +50°C |
| Maximum Input Voltage | 12.3VDC |
| Recommended Modules per Foot | 1.5 |
| System Certifications: | |
| UL Recognized File | E213411 |
| UL Classified File (retrofit applications) | E246705 |
| RoHS Compliant..... | Yes |

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 ^[1] (units) | Max Modules 250-12DC ^[2] (units) |
|-------------|---|--|-------------------------------------|--|---|
| PFS4820R | Red (630nm) | 100,000 | 1.3 | 45 | 180 (45/channel) |
| PFS4820A | Amber (590nm) | 100,000 | 1.3 | 45 | 180 (45/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 rated output of 60Watts per channel. ^[3] Custom color. Please allow up to 8 weeks for delivery.