

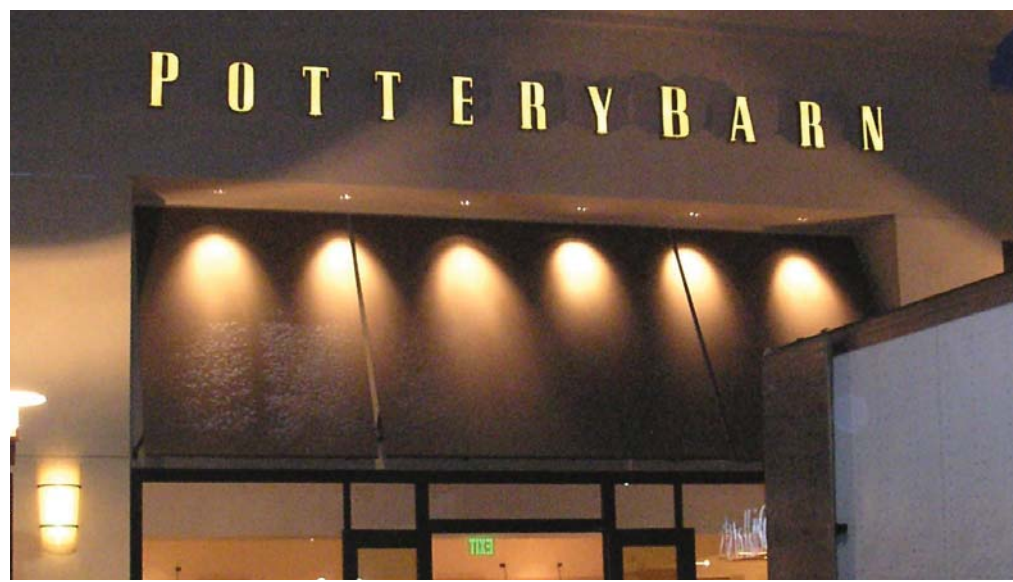
Outperforms and now outlasts

OmniStar by Permlight for signs is yet another giant leap for sign illumination and your sign business. This new system is optimized for peak operating efficiency over any product in its category.

Like all Permlight LED lighting systems, OmniStar is the brightest, most efficient and best performing lighting system at the lowest overall cost of ownership. These new modules shine brighter, consume less energy and deliver the lowest cost per lumen. All of which equals lower operating expense, less maintenance and reduced total project costs.

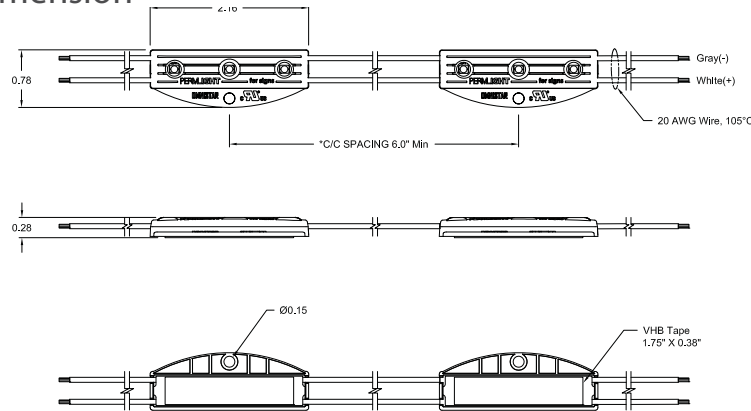
By utilizing the most efficient LED chips available, Omnistar is capable of mounting to any substrate including acrylic or wood.

Brighter, more efficient, lower cost – omni important to your customers too.



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	2.16" (54.80mm) x 0.78" (19.80mm)
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	2
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)
PFSC2520W28	Warm White (2800K)	40,000	0.4	150	600 (150/channel)
PFSC2520W35	Halogen White (3500K)	40,000	0.4	150	600 (150/channel)
PFSC2520W41	Fluorescent White (4100K)	40,000	0.4	150	600 (150/channel)
PFSC2520W51 ^[3]	Neutral White (5100K)	40,000	0.4	150	600 (150/channel)
PFSC2520W65	Daylight (6500K)	40,000	0.4	150	600 (150/channel)
PFSC2520W80	Ultra White (8000K)	40,000	0.4	150	600 (150/channel)
PFSC2520B	Blue (470nm)	40,000	0.4	150	600 (150/channel)
PFSC2520G	Green (525nm)	40,000	0.4	150	600 (150/channel)
PFSC2520R	Red (630nm)	100,000	0.8	75	300 (75/channel)
PFSC2520A	Amber (590nm)	100,000	0.8	75	300 (75/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.

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