

OPTIMOD LIGHTBOX SIDE MODULE



The OptiMod Lightbox Side Module is a linear LED lighting solution designed for edge-lit lightboxes, channel letters, and signage applications. Engineered for uniform light distribution and efficient installation, it supports consistent performance in indoor and outdoor sign systems up to 12 cm thick.

Key Features

- Designed for edge-lit lightboxes under 6.56 ft (2 m) in height
- Suitable for lightboxes up to 4-3/4 in (12 cm) thick, single- or double-sided
- Secondary optical lens for even light distribution
- High-quality LEDs for long service life
- Cutable design for simplified layout and installation
- Dimmable with compatible power supplies
- Rated for indoor and outdoor use (IP65)
- 15° × 25° beam angle optimized for edge lighting
- Warranty: 5 years indoor / 3 years outdoor



Applications

Lightboxes | Channel letters | Signage systems

Includes

Mounting screws, Double-sided tape, Power feed, Jump connector (1 pc)

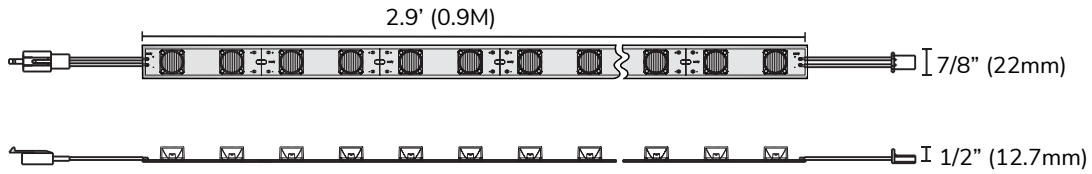
Installation

Surface-mount installation using 3M adhesive backing or screws
Designed for side-mount placement in edge-lit assemblies

Specifications

Voltage	24V DC
Wattage	28W
Lumen Output	2400 per 2.9' (0.9M)
Color Temp	6500K
Beam Angle	15° x 25°
# of LEDs	18 LEDs per 2.9' (0.9M)
Cut Increment	2" (100mm)
CRI	>90
IP Rating	65
Operating Temp	-25~+60°C (-13~140°F)
Lifespan	+36,000 hours
Lead Wire Length	2" (5cm) on both ends
Warranty	5 Years

Dimensions




Ordering Codes




	Voltage	Product	No. of LEDs	Color Temp
LS -	24	ELRB	18	65K
	24 : 24 Volt	ELRB : Edgelit Rigid Backlighting Bar	18 : 18 LEDs	65K : 6500K

Power Supplies

Non-Dimmable					
Image	Code	Voltage	Output Power	Class II	Dimmable Specs
	LS-24V-30W-O-CV	24V	Max. 30W	✓	Non-Dim with Plug
	LS-24V-60W-O-CV		Max. 60W	✓	Non-Dim with Plug
	LS-24V-96W-O-CV		Max. 96W	✓	Non-Dim with Plug
	LS-24V-150W-O-CV		Max. 150W	x	Non-Dim with Plug
	LS-24V-240W-O-CV		Max. 240W	x	Non Dim, with leads for hard-wire.
	LS-24V-320W-O-CV		Max. 320W	x	Non Dim, with leads for hard-wire.
	LS-24V-30W-JB-O-CV		Max. 30W	✓	Boxed Hardwire Power Supply
	LS-24V-60W-JB-O-CV		Max. 60W	✓	Boxed Hardwire Power Supply
	LS-24V-96W-JB-O-CV		Max. 96W	✓	Boxed Hardwire Power Supply

Power Supplies

Non-Dimmable					
Image	Code	Voltage	Output Power	Class II	Dimmable Specs
	LS-24V-96Wx3-JB-O-CV	24V	Max. 288 W (3 × 96 W Class 2 outputs)	✓	Boxed Hardwire Power Supply

Dimmable					
Image	Code	Voltage	Output Power	Class II	Dimmable Specs
	LS-24V-24D-CV	24V	Max. 24W	✓	Triac Dimming, Hardwire
	LS-24V-48D-CV		Max. 48W	✓	
	LS-24V-60D-CV		Max. 60W	✓	
	LS-24V-30D-MLT-CV		Max. 30W	✓	5 in 1 dimming, Triac/Phase. 0-10V, 1-10V, Potentiometer, 10V PWM. Boxed Hardwire
	LS-24V-60D-MLT-CV		Max. 60W	✓	
	LS-24V-96D-MLT-CV		Max. 96W	✓	
	LS-24V-150D-MLT-CV		Max. 150W	X	
	LS-24V-300D-MLT-CV		Max. 300W	X	
	LS-24V-96Wx2D-MLT-CV		Max. 192W (2 × 96W Output)	✓	
	LS-24V-96Wx3D-MLT-CV		Max. 288W (3 × 96W Output)	✓	