

inspired LED Surface Mount Grooved Set

SKU 8497

Inspired LED's **Surface Mount Grooved Set** is a low voltage U-Channel LED lighting solution that creates a great downlight with equal diffusion. This surface mount option allows for complete customization in the field. The set includes aluminum, lens, end caps, and metal mounting clips.

Product Features:

- Diffused U-Channel light fixture
- Available in 78 inch lengths
- Compatible with the iDea Series 4-Screw Connector (SKU 8464)
- Dimmable solutions available
- Recommended Mega Bright Flexible LED Strips (MB flex sold separately)
- Mounting applications include metal clips (included) or VHB adhesive (sold separately)
- Energy-efficient LEDs rated to last 100,000 hours

Electrical Specifications:

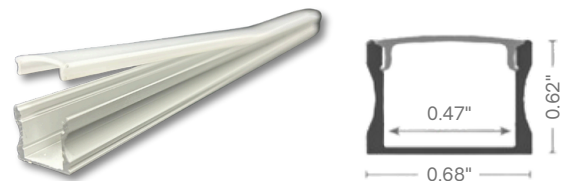
Input Voltage:	12VDC/24VDC		
Operating Power:	~3.6W/ft		
Voltage Drop:	After ~200"		
Color Rendering:	92 CRI		
Color Temperature:	2900K	4000K	5800K
Color Temp. Loss w/ Lens:	~65K	~105K	~165K
Lumens per Foot:	200lm/ft	200lm/ft	205lm/ft
Lumen Loss w/ Lens:	~65lm/ft	~65lm/ft	~65lm/ft

Power Source	Maximum length of linear strip/channel
	Mega Bright Flexible Strips
1 AMP Power Supply (12 Watt)	38.5" (10.8 Watts)
2 AMP Power Supply (24 Watt)	76" (21.6 Watts)
40 Watt Dimmable Transformer	129" (36 Watts)
5 AMP Power Supply (60 Watt)	192" (54 Watts)
60W Dimmable Transformer	192" (54 Watts)
100W Dimmable Transformer	320" (90 Watts)

Note: Selecting an LED strip other than Mega Bright will change overall power consumption and lumen output. Please refer to that LED Strips spec sheet for those measurements.



Channel Set Accessories:



Aluminum and Lens:

Designed to produce a diffused light source using Inspired LED's Flexible LED Strips. Available in 78-inch lengths. **Set includes (1) 78" aluminum channel and (1) 78" lens.**



End Caps:

Fits on the inside of the aluminum and lens channels. Preset hole on end caps are used for cables. **Set includes (2) end caps with hole and (2) end caps without hole.**



Metal Mounting Clips and Screws:

Provides an option to mount using clips and screws. These clips are best when spread out every 24-inches to get even spacing across the aluminum channel. **Set includes (4) metal clips and (4) screws.**