

## Ultra Thin LED Light Panels

Part No. UTLP-XX-XX



Ultra Thin LED Light Panels from Environmental Lights are ready-to-use out of the box and create a bright uniform light surface. The Ultra Thin LED Light Panels are energy efficient, light weight, easy to configure, customizable, and UL listed. LED Light Panels are the perfect solution for backlighting graphics, retail displays, signs, menu boards, interior décor – the possibilities are endless!



Retail Design

Interior Décor

Signage

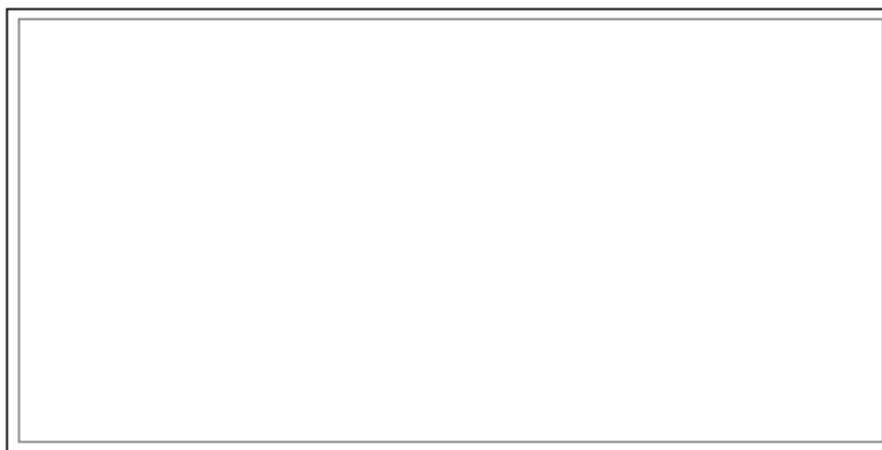
We carry standard sizes (listed on page 3) in Daylight White 6500K, however we are able to customize sizes up to 4ft x 8ft and even create custom shapes based on the requirements of your project. If your project requires a specific color, Ultra Thin LED Light Panels can also be custom made in a variety of whites, colors, and even color changing RGB.

## Features

- Ultra Slim Profile: 1/8" to 7/16" thick.
- 6 Standard Sizes ready to ship.
- All panels are RoHS compliant, CE Certified and UL listed under low-voltage lighting systems or component recognized in the UL Sign Accessories category.
- Plug-and-play. Includes power adapter to connect the panel to 120V outlet.
- Even distribution of light exceeds industry standard. Same brightness for all sizes makes the panels modular.
- Create larger lit surfaces by assembling multiple units.
- 20% brighter than other panel lights with the same power consumption.
- 80% in Energy-savings compared to traditional light.
- Optically refined reflective pattern.
- 2-year manufacturer warranty.
- Custom double sided panels available.
- Custom colors available:  
Warm white, neutral white, red, green, blue, orange, yellow, and RGB.
- Custom shapes and sizes available. See Page 4 for details.



Width Max: 58"  
1473.2(mm)



Length Max: 118"  
(2997.2mm)

## Specifications

Input Voltage	12VDC
Electrical Connection	
Wire Length	5" (127mm)
Wire Size	24 AWG 2 wire
Position	Side
Connector	2.1mm x 5.5mm barrel
Polarity	Positive center
LED Location	UTLP-16-20: LED Strips at 2 short sides UTLP-18-24: LED Strips at 2 short sides All other standard panel sizes: LED strips at 2 long sides
Safety Standard	UL Listed (E345867) in Low Voltage Luminaires CE Certified RoHS Compliant



Product Name	Part No.	Dimensions	Power (Watts)	Brightness (Lux)	Adaptor
Ultra Thin LED Light Panel 16"x20", Daylight White	UTLP-16-20	16" x 20" x 1/4"	7	3000 lx	12VDC/1A
Ultra Thin LED Light Panel 18"x24", Daylight White	UTLP-18-24	18" x 24" x 1/4"	13	3000 lx	12VDC/2A
Ultra Thin LED Light Panel 22"x28", Daylight White	UTLP-22-28	22" x 28" x 1/4"	21	3000 lx	12VDC/3A
Ultra Thin LED Light Panel 24"x24", Daylight White	UTLP-24-24	24" x 24" x 1/4"	17	3000 lx	12VDC/2A
Ultra Thin LED Light Panel 24"x36", Daylight White	UTLP-24-26	24" x 36" x 1/4"	25	3000 lx	12VDC/3A
Ultra Thin LED Light Panel 30"x40", Daylight White	UTLP-30-40	30" x 40" x 7/16"	28	3000 lx	12VDC/3A

### Physical Properties

	Standard	Special Order Options
Color Selection	6500K (cool white)	3500K (warm white) 5300K (neutral white) Other CCT available R / G / Y / O / B RGB Changing Color
Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)	---
Maximum Size	48" x 96" (1219 x 2438 mm)	---
Acrylic Thickness	5/32" (4mm) for panel width <= 2ft (610mm) 1/4" (6mm) for panel width > 2ft (610mm)	5/16" (8mm)
Overall Thickness	1/4" (6mm) for panel width <= 2ft (610mm) 7/16" (11mm) for panel width > 2ft (610mm)	13/32" (10mm)

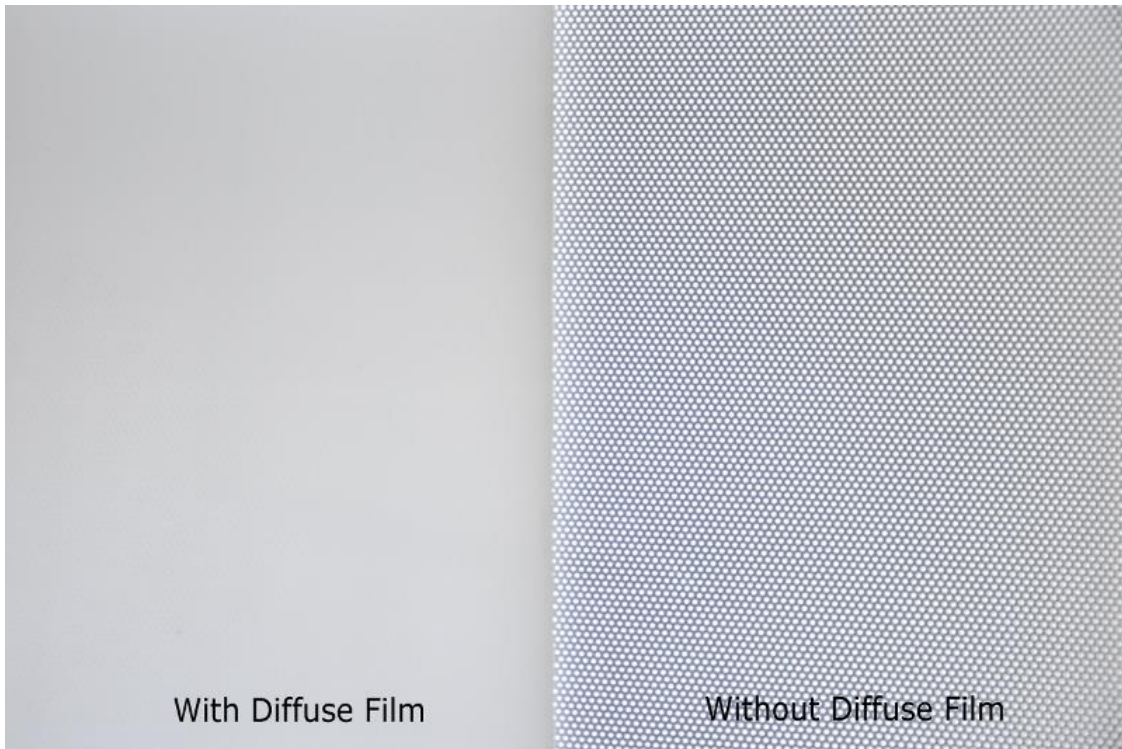
### Mechanical Properties

Tensile Strength	760 Kg/cm2
Elongation	6%
Flexural Strength	1170 Kg/cm2
Flexural Modulus	32000 Kg/cm2
Izod Impact Strength	2 Kg-cm/cm
Rockwell Hardness	95 Mscale
Weight	1.95 lbs/sq.ft (9.6 Kg/m2)

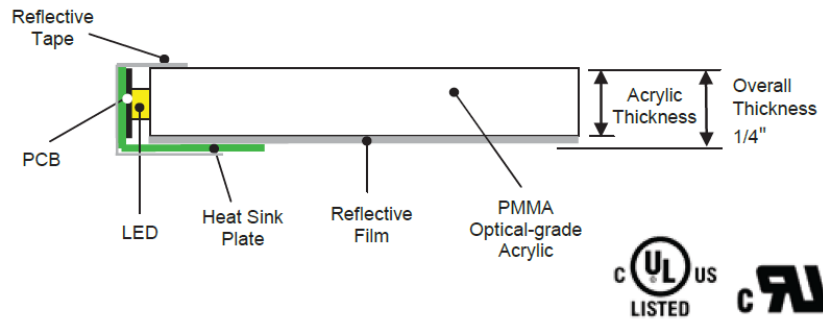
### Custom Order Options

Contact us to see if we can create exactly what you're looking for in a light panel or light box. Customization options include but are not limited to:

- Custom shapes and sizes
- Diffuser:
  - Film (See below for photo)
  - Acrylic(1/16" thick)
- Single-sided/Double-sided LED light panels/boxes
- Brightness (lux)
- Color temperature
  - 3000K
  - 4100K
  - 6500K
  - R/G/B/Y/O
  - RGB Color Changing
  - White Adjustable
  - Superimposed Graphic (requires black & white image, >150 pixels/inch)
- Dimmers
- Cable length
- Location of cable(s)
- Mounting:
  - Mirror Clips aka Z-clips
  - D-rings (with/without Hanging Chain)
- Frame Color via Powder Coating RAL#
- Frame Finish (Glossy or Matte)



WHEN panel width < 2.5 ft



WHEN panel width >= 2.5 ft

