

<sup>®</sup>  
LumaFilm

# 1.25" x 24" 2.5" x 24" High Output Light Strips

LumaFilm Light Strips are the perfect solution for lighting designers and manufacturers to bring the science of lighting together with creativity to change the shape of lighting. LumaFilm strips operate without a heat sink, can be cut, trimmed and tiled together to almost any length or configuration. And you can place them within 1" of a fabric or diffuser without any hot/cold spots.

Architects and lighting designers now have a lighting system that will last for a decade or more and can illuminate the smallest cove to the longest run of corridors - perfectly matched dies that come in a full spectrum of kelvin temperatures.

Whether you're looking for a one-off design solution or a seeking a flexible, planar lighting solution for a production product, LumaFilm Light Strips now offer a cost effective "tool" to bring increased creativity to your lighting solutions.



## Features and Benefits:

- **Fully Customizable** – High Output LumaFilm strips are clearly marked to be cut at specific locations allowing for simple installations; custom LumaFilm sheets can be developed quickly to meet almost any requirement.
- **Flexible** – Allows LumaFilm to be applied to any flat or 3-dimensional surface creating innovative designs and unique lighting solutions.
- **Thin** – Can be used in even the most constrained spaces allowing for illumination in places not previously possible.
- **No Heat Sink Required** – Patented circuit designs result in minimal heat generation allowing it to be mounted directly on almost any surface from dry wall to concrete.
- **Minimal Depth without Pixilation** – Many smaller LEDs allow LumaFilm to be mounted close to the diffuser without hot/dark spots.
- **UL/cUL Listed and LM79 tested** – LumaFilm is ready to be installed with your most demanding customer.
- **Indoor and Outdoor** – LumaFilm is IP65 rated which makes it suitable for damp and dust-filled locations both indoors and outdoors.
- **Power Source Options** – LumaFilm can be powered by off-the-shelf dimming, non-dimming and programmable constant current drivers.
- **Energy Efficient and Green** – High performance (average of 130 L/W) saves energy and reduces carbon emissions resulting in a shorter payback period.
- **Durable** – Proven to withstand the harshest installation and usage treatment for longer life and more dependable service.

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## 1.25" x 24" and 2.5" x 24" Light Sheet Technical Specifications

<b>Models</b>	1.25" x 24": #W012240HXX (XX = CCT)	2.5" x 24": #W025240HXX (XX = CCT)
<b>Size</b>	1.25" x 24" (32mm x 610mm)	2.5" x 24" (64mm x 610mm)
<b>Number of LEDs</b>	96	168
<b>Color Temperature (CCT) Available</b>	2700K, 3000K, 3500K, 4000K, 5000K, 6200K	
<b>Color Rendering</b>	80 CRI Minimum, 85 CRI	

1.25" x 24"	Lumens (lm)	lm/ Sq. Ft.	Wattage (W)	W/Sq. Ft	Efficacy (lm/W)	Voltage	Current
10 mA	390	1850	2.8	13.3	140	34.8	80
20 mA	750	3570	5.8	27.4	130	36.0	160
30 mA	1110	5280	9.2	43.9	120	38.4	240

2.5" x 24"	Lumens (lm)	lm/ Sq. Ft.	Wattage (W)	W/Sq. Ft	Efficacy (lm/W)	Voltage	Current
10 mA	680	1610	4.9	11.6	140	34.8	140
20 mA	1310	3110	10.1	24.0	130	36.0	280
30 mA	1940	4610	16.1	38.4	120	38.4	420

<b>Lumen Maintenance</b>	TM21-11: L70 > 77,000 hrs. at 20mA		
<b>Dimming</b>	Power supply regulated; range 100% to 1% with dim-off mode		
<b>Substrate</b>	PET Flexible Low temperature rated > -40°C Continuous operating temperature = 105°C Diffuse reflective		
<b>Power Supplies</b>	Customer supplied or off-the-shelf furnished by Heilux. Class 2 constant current. Programmable power supply compatible.		
<b>Operating Environment</b>	UL Dry-Damp, IP65		
<b>Environmental Considerations</b>	RoHS Compliant (contains none of the following)		
<b>Regulatory</b>	UL Class 2	UL Recognized and Listed	
	cULus Recognized	LED Arrays, Modules and Controllers - Component	File #E466344
		Sign Accessories - Component	File #E466443
	UL/cUL Listed	Low-voltage Lighting Systems, Power Units, Luminaires and Fittings	File #E472231
<b>Warranty</b>	5 Years - Limited		

\*Specifications subject to change. All data based on 5,000K