

PROJECT :

FIXTURE :



ELUME LED LIGHT PANELS

- CUSTOMIZABLE (SIZE, LIGHT LEVEL & KELVIN)
- BRIGHTEST LED PANELS IN THE INDUSTRY
- DIMMABLE WARM, NEUTRAL AND DAYLIGHT WHITE OPTIONS
- SUPERIOR, HIGH OUTPUT UNIFORM ILLUMINATION
- THIN, LOW PROFILE DESIGN
- MAINTENANCE FREE
- PLUG & PLAY OR HARDWIRED
- 3 YEAR WARRANTY



SPECIFICATION SHEET PAGE 1 : ELUME LED LIGHT PANELS - ALL MODELS

CUSTOM ELUME LED LIGHT PANELS

We highly recommend you contact us to discuss your project requirements before specifying.

Thin, custom sized, optical cast acrylic sheets with high output tier one LEDs embedded along the edge of the LED panels with an engraved light distribution grid. This light distribution grid is optimized for each specific panel size to ensure uniform and bright illumination over their entire surface.

NON-FRAMED VS FRAMED LED LIGHT PANEL MODELS - APPLICATION

NON-FRAMED ELUME LED PANELS

- MINIMAL BUTT LINES
- ORGANIC / ODD SHAPES
- ZERO AIR SPACE REQUIRED (Ideal for backlit stone bars/countertops)
- WATER RESISTANT (Additional option)

FRAMED ELUME LED PANELS

- ADDITIONAL STRUCTURAL RIGIDITY & MOUNTING OPTIONS
- LIGHT WEIGHT (Lighter than non-framed model)
- ENHANCED THERMAL MANAGEMENT
- MORE ECONOMICAL (Compared to non-framed model)

THIN, BRIGHT, CUSTOM BACK LIGHTING SOLUTION

With their minimal power consumption, long lifespan, uniform bright illumination and thin, lightweight characteristics, our Elume LED Light Panels are a simple yet dynamic, zero maintenance and sustainable option when illuminating any translucent material.

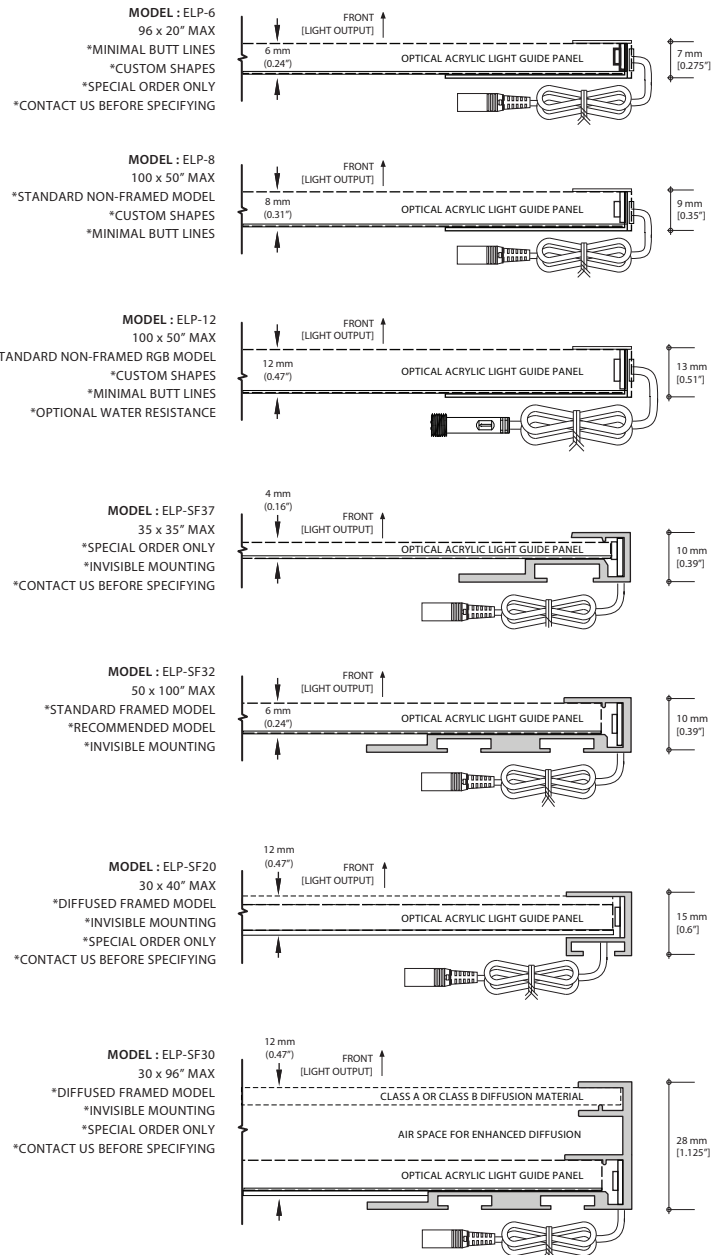
We encourage you to contact us to discuss your custom LED lighting requirements with one of our knowledgeable design associates prior to specifying.

SPECIFICATIONS: * PLEASE SEE SPECIFIC MODEL CUT SHEET OR CONTACT ELUMANATION FOR FURTHER INFO

ELUME LED LIGHT PANEL SPECS :	STANDARD SPECIFICATIONS OF ALL ELP MODELS
OUTPUT LEVELS :	MAX-HIGH [MH], *EXTREME [E] or *COLOUR CHANGING [RGB]
POWER CONSUMPTION :	[MH - 5.2W/Ft] [E - 7.6W/Ft] [RGB - 4.26E/Ft]
OUTPUT SOURCE :	LEDS EMBEDDED ALONG 1, 2 OR ALL 4 EDGES
OUTPUT COLOUR OPTIONS :	DAYLIGHT: 5800K [RECOMMENDED]
	NEUTRAL: 4100K
	WARM: 3000K
	*RGB : DMX ADDRESSABLE COLOURS AND EFFECTS
	STATIC COLOURS: RED, GREEN, BLUE, ETC.
DIMMING OPTIONS :	0~10V, PWM, DALI OR WIRELESS REMOTE
*MORE INFO AVAILABLE UPON REQUEST	*REQUIRES ADDITIONAL INLINE DIMMING MODULE
OPERATING LIFESPAN:	UPTO 70,000 HOURS [L70]
WARRANTY :	3 YEARS
ENVIRONMENT :	DRY LOCATION [EXTERIOR AVAILABLE ON ELP-12]
OPERATING TEMPERATURE :	-30°C [-22 °F] ~ +40 °C [+104 °F]
OPERATING VOLTAGE :	24VDC
ELECTRICAL ARRANGEMENT :	*WIRING SCHEMATICS PROVIDED PER PROJECT
INPUT CONNECTOR :	22" [558 mm] PLUG & PLAY FEMALE BARREL LEAD
INPUT LEAD WIRE SIZE :	18 AWG 2 CONDUCTOR WIRE
POWER SUPPLY OPTIONS :	HARDWIRED OR COMPACT PLUG & PLAY
*MORE INFO AVAILABLE UPON REQUEST	*BASED ON LOAD REQUIREMENTS & PREFERENCE
ELECTRICAL SAFETY CERTIFICATION :	UL CERTIFIED

*CONTACT US BEFORE SPECIFYING

ELUME LED LIGHT PANEL - MODEL INFO / SIDE SECTIONS:



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ELUME LED LIGHT PANELS

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SPECIFICATION SHEET PAGE 2 : ELUME LED LIGHT PANELS - FEATURES

CUSTOMIZABILITY

Each eLume LED Light Panel is custom manufactured to the dimensions/shape, light level and kelvin temperature or RGB output to each client's specific project's requirements.

PRECISION MANUFACTURING

Meticulous fabrication process coupled with stringent quality control measures and UL safety certification ensures your eLume LED light panel arrives as expected and outperforms your expectations throughout the LED panel's longevity.

ILLUMINATION OUTPUT & DIMMABILITY

With our various output level options with various colour kelvins and dimming methods, our eLume LED Light Panels are optimized to the ideal light level required to meet your project's illumination level preferences.

DESIGN ASSISTANCE

Our well versed and experienced design consultants and technicians offer assistance throughout the project to meet your functional requirements and achieve your aesthetic objectives.

STANDARD LIGHT TEMPERATURE OUTPUT OPTIONS: *CUSTOM KELVINS ARE AVAILABLE UPON REQUEST



WARM WHITE
3000K



NEUTRAL WHITE
4100K



DAYLIGHT WHITE
5800K



COLOUR ADDRESSABLE
RGB & VARIOUS WHITES
*STATIC COLOURS AVAILABLE

STANDARD EMBEDDED LED ARRANGEMENT OPTIONS: *CUSTOM ARRANGEMENTS ARE AVAILABLE WHEN REQUIRED

LEDS EMBEDDED ALONG 1, 2, or ALL 4 EDGES

To ensure the ideal output for your project each eLume LED Light Panel is custom fabricated with the option of embedding LEDs along 1 edge, 2 opposing edges or along all 4 edges.

UNIFORM ILLUMINATION

Each eLume LED Light Panel's light distribution is optimized by Elumination's proprietary algorithm to ensure maximum uniformity across each panel's surface.

PLEASE NOTE: LEDs shown in the images are for demonstration purposes only and are not visible on the final product.



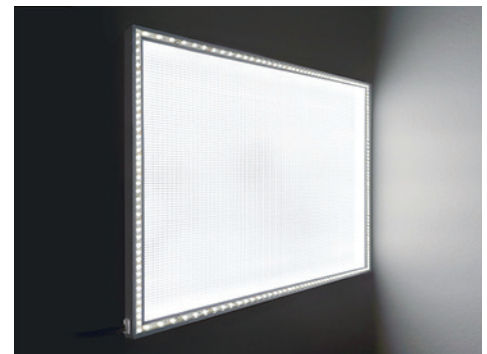
LEDS EMBEDDED ALONG 1 EDGE

To eliminate any slight drop off associated with larger fixtures and LEDs embedded along ONE edge we typically only recommend LEDs embedded along ONE edge for panels 15" [381 mm] or less in width to ensure uniform illumination across the surface of the panel.



LEDS EMBEDDED ALONG 2 LONG EDGES

For larger panels, LEDs embedded along TWO opposing edges coupled with Elumination's proprietary light guide distribution grid optimization algorithm specific to each eLume LED Light Panel ensures maximum uniformity with superior illumination levels.



LEDS EMBEDDED ALONG ALL FOUR EDGES

For larger panels square or near square in shape or for applications that require maximum light output, LEDs embedded along ALL FOUR edges coupled with our proprietary light guide distribution grid optimization algorithm specific to each eLume LED Light Panel ensures maximum uniformity with superior illumination levels.

LED LIGHTING SOLUTIONS...

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ELUME LED LIGHT PANELS

SPECIFICATION SHEET PAGE 3 : ELUME LED LIGHT PANELS - MOUNTING / ORDERING GUIDE

MOUNTING OPTIONS: *ELUMANATION PROVIDES GUIDANCE FROM DESIGN TO INSTALLATION SPECIFIC TO EACH PROJECT

PLEASE NOTE:

All projects may have specific mounting requirements or installation variables where different mounting options may be better suited. Please contact us prior to specifying.

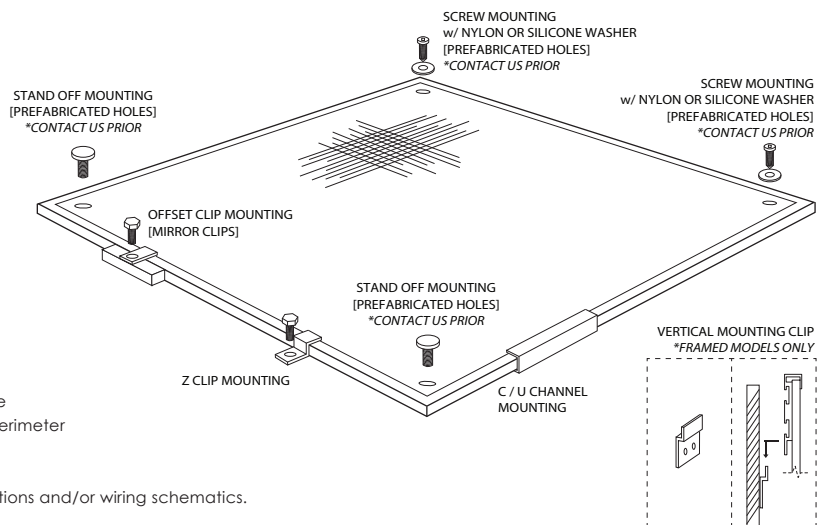
* Through holes are to be pre-specified before production. We do not recommend nor warranty any alterations on-site.

* Do not apply adhesive or bonding agent to the back of the panel. The agent will cause light anomalies once illuminated.

* Air space is not required between the eLume LED Light Panels and the illuminated material however, depending on the translucency of the material, you may wish to allow free air or a clear acrylic spacer between the eLume LED Light Panel and the illuminated material to increase the light diffusion.

* If the eLume light panel unit is a model with an aluminum frame, VHB adhesive, silicone or any other suitable bonding agent can be applied sparingly to the aluminum frame perimeter with care being taken not to get any on the eLume LED Light Panel itself.

* Please contact Elumination for any additional information, project specific customizations and/or wiring schematics.



ORDERING SPECIFICATIONS: *DUE TO OUR ELUME LED LIGHT PANEL'S CUSTOM NATURE WE HIGHLY RECOMMEND CONTACTING US BEFORE SPECIFYING

ORDERING SPECIFICATIONS: EXAMPLE : ELP-SF32-MH/100X50/4

MODEL #	LED OUTPUT:	DIMENSIONS: [L x W]	LED LOCATION:	PLEASE NOTE:	ADDITIONAL HARDWARE:
ELP-6 6mm THICK NON-FRAMED *SPECIAL ORDER ONLY	- MH - MAX-HIGH	***X*** - LENGTH x WIDTH *MAX 96" x 20" *CUSTOM SHAPES AVAILABLE	/1 - LEDS ON 1 LONG EDGE /2 - LEDS ON BOTH LONG EDGES	*FOR ALL CUSTOM LED PANELS WE HIGHLY RECOMMEND CONTACTING ELUMANATION PRIOR TO SPECIFICATION TO ENSURE ALL MATERIAL AND HARDWARE REQUIREMENTS ARE PROPERLY MET. * DOUBLE FACE ILLUMINATION AVAILABLE UPON REQUEST SPECIFIC MODELS ONLY - CONTACT US PRIOR TO SPECIFYING *CONTACT US FOR PROJECT SPECIFIC DIMMING HARDWARE REQUIREMENTS	DIMMING HARDWARE E-DIM/VDIM - 0-10VDC HARDWIRED MODULE E-DIM/SDIM - WIRELESS MODULE E-DIM/SDIM/R1 - TOUCH SLIDER REMOTE E-DIM/SDIM/R2 - 10 CHANNEL REMOTE E-DIM/SDIM/R3 - WIRELESS ROTARY DIMMER SWITCH
ELP-8 8mm THICK NON-FRAMED STANDARD UNIT	- MH - MAX-HIGH	***X*** - LENGTH x WIDTH *MAX 100" x 50" *CUSTOM SHAPES AVAILABLE	/4 - LEDS ON ALL 4 EDGES	*CONTACT US FOR PROJECT SPECIFIC DIMMING HARDWARE REQUIREMENTS	RGB HARDWARE EL-RGB/DMX-SC - STAND ALONE CONTROLLER EL-RGB/DMX-WC - WIRELESS CONTROLLER EL-RGB/DMX-WC/R - WIRELESS CONTROLLER REMOTE EL-RGB/SA - SIGNAL AMPLIFIER EL-RGB/SS/2 - 2 WAY SIGNAL SPLITTER EL-RGB/SS/3 - 3 WAY SIGNAL SPLITTER EL-RGB/SS/4 - 4 WAY SIGNAL SPLITTER EL-RGB/EXT/2M - 2M [6.5 FT] CABLE EXTENSION EL-RGB/EXT/5M - 5M [32.5 FT] CABLE EXTENSION
ELP-12 12mm THICK NON-FRAMED RGB OR WATER RESISTANT *SPECIAL ORDER ONLY	- MH - MAX-HIGH - WR - WATER RESISTANT - RGB - ADDRESSABLE COLOURS	***X*** - LENGTH x WIDTH *MAX 100" x 50" *CUSTOM SHAPES AVAILABLE	/C - CUSTOM - *PLEASE CONTACT US	*CONTACT US FOR PROJECT SPECIFIC POWER SUPPLY REQUIREMENTS *CONTACT US FOR PROJECT SPECIFIC WIRING SCHEMATICS *CONTACT US FOR PROJECT SPECIFIC SUBMITTALS FOR APPROVAL	POWER SUPPLIES & WIRING HARDWARE EL-PS/HLG-320H - 320W, 24VDC HARDWIRED DRIVER EL-PS/HLG-185H - 320W, 24VDC HARDWIRED DRIVER EL-PS/INP-120 - 120W, 24VDC HARDWIRED DRIVER EL-PS/6A/24V - 144W, 24VDC PLUG & PLAY DRIVER EL-PS/5A/24V - 120W, 24VDC PLUG & PLAY DRIVER EL-PS/4A/24V - 96W, 24VDC PLUG & PLAY DRIVER EL-PS/3A/24V - 72W, 24VDC PLUG & PLAY DRIVER E-WSH/EXT/13FT - 13FT PLUG & PLAY EXTENSION E-WSH/4W - 4 TO 1 PLUG & PLAY SPLITTER E-WSH/3W - 3 TO 1 PLUG & PLAY SPLITTER E-WSH/2W - 2 TO 1 PLUG & PLAY SPLITTER
ELP-SF37 10mm THICK SF37 FRAMED	- MH - MAX-HIGH	***X*** - LENGTH x WIDTH *MAX 35" x 35"			
ELP-SF32 10mm THICK SF32 FRAMED RECOMMENDED UNIT	- MH - MAX-HIGH - E - EXTREME - RGB - ADDRESSABLE COLOURS	***X*** - LENGTH x WIDTH *MAX 100" x 50"			
ELP-SF20 15mm THICK SF20 FRAMED DIFFUSED UNIT	- MH - MAX-HIGH - E - EXTREME - RGB - ADDRESSABLE COLOURS	***X*** - LENGTH x WIDTH *MAX 40" x 30"			
ELP-SF30 28mm THICK SF30 FRAMED AIR SPACE DIFFUSED UNIT	- MH - MAX-HIGH - E - EXTREME - RGB - ADDRESSABLE COLOURS	***X*** - LENGTH x WIDTH *MAX 96" x 30"			ELUMANATION OFFERED MOUNTING HARDWARE ELP-VMC - VERTICAL MOUNTING CLIP