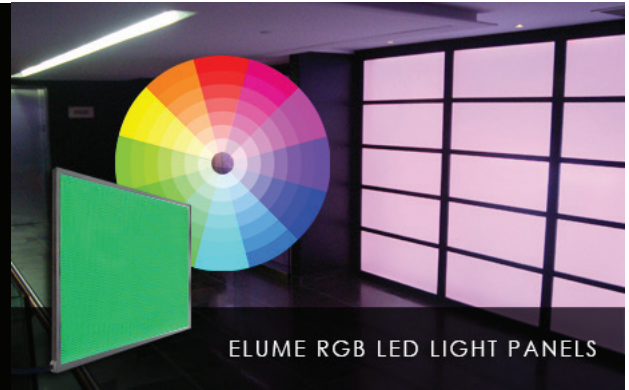# ELUME LED LIGHT PANEL - SF32 FRAMED RGB

- CUSTOMIZABLE (SIZE) COLOUR CHANGING PANEL
- CONTROL MULTIPLE COLOUR CHANGING EFFECTS & STATIC COLOURS
- WIDE RANGE OF SPECIFIC COLOUR OUTPUTS
- SUPERIOR, HIGH OUTPUT UNIFORM ILLUMINATION
- SYNCHRONIZE MULTIPLE PANELS
- MAINTENANCE FREE
- PLUG & PLAY
- 3 YEAR WARRANTY

ELUME RGB LED LIGHT PANELS

SPECIFICATION SHEET : ELUME FRAMED RGB LED LIGHT PANEL - MODEL : ELP-SF32-RGB

CUSTOM FRAMED RGB LED LIGHT PANEL - MODEL: ELP-SF32-RGB

Thin, custom sizable, optical cast acrylic sheets with high output tier one RGB 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 RGB LED LIGHT PANEL - APPLICATION

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

FRAMED ELUME RGB LED PANELS
- ADDITIONAL STRUCTURAL RIGIDITY
- LIGHT WEIGHT (Lighter than non-framed model)
- ENHANCED THEMRAL MANAGEMENT
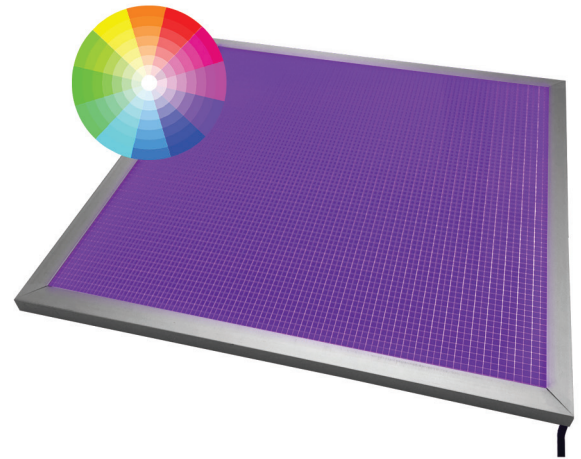- MORE ECONOMICAL (Compared to non-framed model)

COLOUR ADDRESSABLE, BACK LIGHTING SOLUTION

With their minimal power consumption, long lifespan, uniform bright illumination and thin, lightweight characteristics, our eLume RGB LED Light Panels are a simple yet dynamic, zero maintenance and sustainable option when illuminating any translucent material.
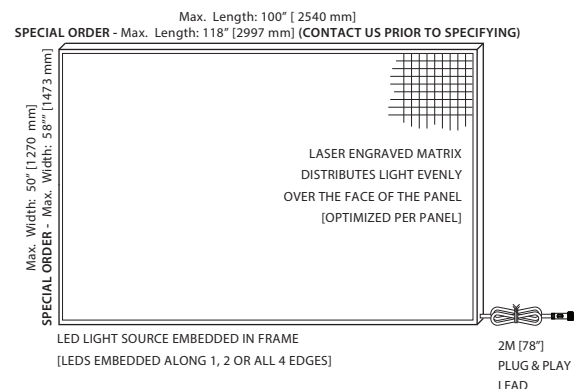
SPECIFICATIONS: * PLEASE CONTACT ELUMANATION FOR ASSITANCE WITH YOUR APPLICATION

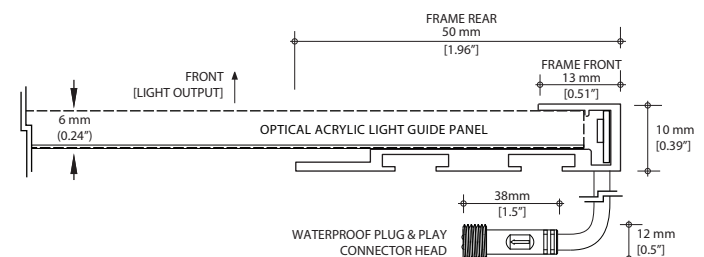|	
MODEL :	ELP-SF32-RGB (RECOMMENDED OVER NON FRAMED)
OUTPUT :	RGB [COLOUR ADDRESSABLE]
OUTPUT SOURCE :	LEDS EMBEDDED ALONG 1, 2 OR ALL 4 EDGES
OUTPUT COLOUR OPTIONS :	RGB : DMX ADDRESSABLE COLOUR EFFECTS
DMX CONTROLLER OPTIONS :	EL-RGB/DMX-SC - *STAND ALONE CONTROLLER*
MORE INFO AVAILABLE UPON REQUEST	EL-RGB/DMX-WC - *WIRELESS CONTROLLER*
APPROX WEIGHT :	1.3 Lbs [0.59 kg] / SqFt
STANDARD MIN SIZE :	4 X 4" [102 x 102 mm]
STANDARD MAX SIZE:	50 x 100" [1270 x 2540 mm]
*SPECIAL ORDER ONLY MAX SIZE :	58 x 118" [1473 x 2997 mm] *CONTACT US PRIOR*
MATERIAL :	ALUMINUM FRAME W/ OPTICAL CAST ACRYLIC
FRAME THICKNESS :	10 mm [0.39"]
FRAME STYLE :	FRAMED SF32 - DOUBLE CHANNEL REAR
MOUNTING :	SEE MOUNTING INSTRUCTIONS
OPERATING LIFESPAN:	UPTO 70,000 HOURS [L70]
WARRANTY :	3 YEARS
ENVIRONMENT :	DRY LOCATION ONLY
OPERATING TEMPERATURE :	-30°C [-22 °F] ~ +40 °C [+104 °F]
OPERATING VOLTAGE :	24VDC
POWER CONSUMPTION :	14 W/M [4.26 W/Ft]
ELECTRICAL ARRANGEMENT :	*SCHEMATICS PROVIDED PER PROJECT*
INPUT CONNECTOR :	78" [2M] PLUG & PLAY WATERPROOF BARREL LEAD
INPUT LEAD WIRE SIZE :	10 AWG 4 CONDUCTOR WIRE
POWER SUPPLY OPTIONS :	24VDC HARDWIRED OR COMPACT PLUG & PLAY
MORE INFO AVAILABLE UPON REQUEST	*BASED ON LOAD REQUIREMENTS & PREFERENCE*
ELECTRICAL SAFETY CERTIFICATION :	UL CERTIFIED

PRODUCT IMAGE: *STATIC PURPLE OUTPUT WITH LEDS ON ONE EDGE SHOWN*

FRONT ELEVATION:

Max. Length: 100" [2540 mm]
SPECIAL ORDER - Max. Length: 118" [2997 mm] (CONTACT US PRIOR TO SPECIFYING)

Max. Width: 50" [1270 mm]
SPECIAL ORDER - Max. Width: 58" [1473 mm]

LASER ENGRAVED MATRIX
DISTRIBUTES LIGHT EVENLY
OVER THE FACE OF THE PANEL
[OPTIMIZED PER PANEL]

LED LIGHT SOURCE EMBEDDED IN FRAME
[LEDS EMBEDDED ALONG 1, 2 OR ALL 4 EDGES]

2M [78"]
PLUG & PLAY
LEAD

SIDE SECTION:

FRAME REAR
50 mm
[1.96"]

FRAME FRONT
13 mm
[0.51"]

FRONT
[LIGHT OUTPUT]

6 mm
(0.24")

OPTICAL ACRYLIC LIGHT GUIDE PANEL

10 mm
[0.39"]

38mm
[1.5"]

WATERPROOF PLUG & PLAY
CONNECTOR HEAD

12 mm
[0.5"]

SPECIFICATION SHEET : ELUME FRAMED RGB LED LIGHT PANEL - MODEL : ELP-SF32-RGB [PAGE 2]

ELUME LED LIGHT PANEL - MOUNTING OPTIONS:

ELUMANATION PROVIDES GUIDANCE FROM DESIGN TO INSTALLATION SPECIFIC TO EACH PROJECT.
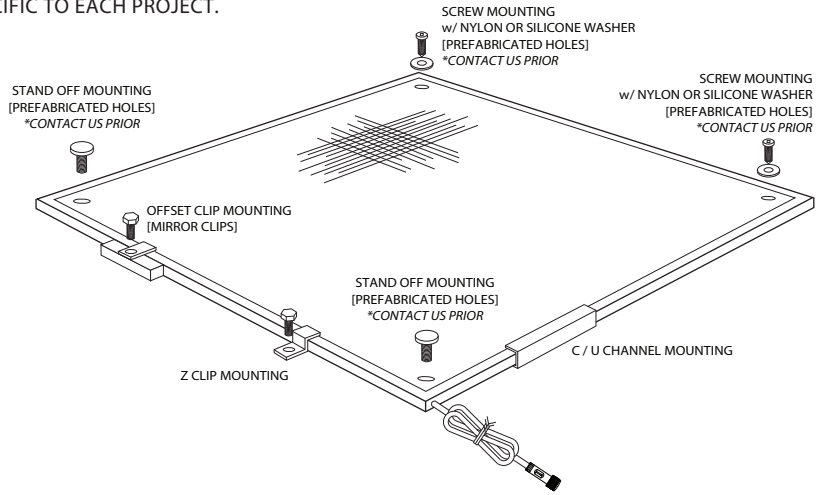
PLEASE NOTE:

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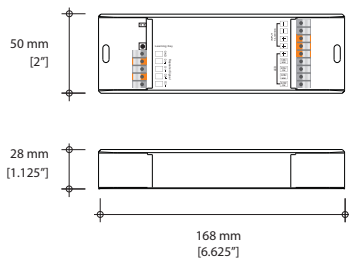
* Air space is not required between the eLume LED Light Panels and the illuminated material however, depending on the translucency of the material, you may wish to allow free air or a clear acrylic spacer between the eLume LED Light Panel and the illuminated material to increase the light diffusion.

* 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.
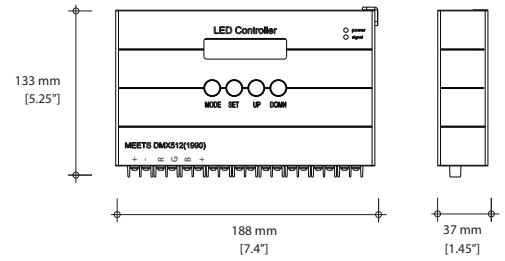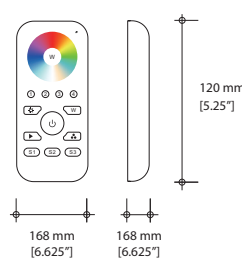
* Please contact Elumanation for any additional information or project specific customizations

SCREW MOUNTING
w/ NYLON OR SILICONE WASHER
[PREFABRICATED HOLES]
*CONTACT US PRIOR

SCREW MOUNTING
w/ NYLON OR SILICONE WASHER
[PREFABRICATED HOLES]
*CONTACT US PRIOR

STAND OFF MOUNTING
[PREFABRICATED HOLES]
*CONTACT US PRIOR

OFFSET CLIP MOUNTING
[MIRROR CLIPS]

STAND OFF MOUNTING
[PREFABRICATED HOLES]
*CONTACT US PRIOR

C / U CHANNEL MOUNTING

Z CLIP MOUNTING

ELUME RGB LIGHT PANEL - CONTROL OPTIONS: *WIRING SCHEMATICS & HARDWARE REQUIREMENTS PROVIDED FROM ELUMANATION SPECIFIC TO EACH PROJECT*

50 mm [2"]
28 mm [1.125"]
168 mm [6.625"]

PAIRS TOGETHER
[MIN 1 REMOTE REQUIRED TO CONTROL MODULES]

120 mm [5.25"]
168 mm [6.625"]
168 mm [6.625"]

133 mm [5.25"]
188 mm [7.4"]
37 mm [1.45"]

WIRELESS DMX CONTROLLER MODULE
MODEL: EL-RGB/WC

• REQUIRES REMOTE CONTROL
• ALLOWS FOR MULTIPLE ZONE CONTROL
• PAIRS WITH ONE OR MORE WIRELESS CONTROLLERS
• CONNECTS INLINE BETWEEN POWER SUPPLY & LED FIXTURE
• OPERATE 1 OR UNLIMITED MULTIPLE SYNCHRONOUS PANELS
ADDITIONAL DETAILS AVAILABLE UPON REQUEST

WIRELESS DMX CONTROLLER REMOTE
MODEL: EL-RGB/WC/R

• PAIRS TO 1 OR UP TO 4 MODULES SYNCHRONOUSLY OR INDIVIDUALLY [4 ZONES]
• TOUCH PAD COLOUR WHEEL FOR STATIC COLOUR SELECTION
• DIMMABLE STATIC COLOURS, 3 BUILT IN WHITE [WARM, NEUTRAL & COOL - NON DIMMABLE]
& 10 BUILT IN DYNAMIC EFFECT MODES WITH DIMMABILITY & SPEED CONTROL
• 3 SAVE BUTTONS & ON/OFF/PAUSE CONTROL
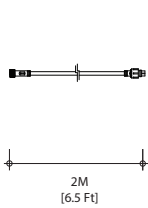*ADDITIONAL DETAILS AVAILABLE UPON REQUEST*
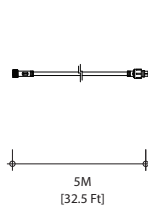
STAND ALONE DMX CONTROLLER
MODEL: EL-RGB/SC

• STANDALONE CONTROLLER WITH DIGITAL DISPLAY
• 33 BUILT IN DYNAMIC EFFECT MODES WITH SPEED & RUN TIME CONTROL
• DIMMABLE STATIC COLOURS WITH PRECISE COLOUR HUE SELECTION
• DMX DECODER INPUT MODE WITH PROGRAMMABLE ADDRESS
• OPERATE 1 OR UNLIMITED MULTIPLE SYNCHRONOUS PANELS
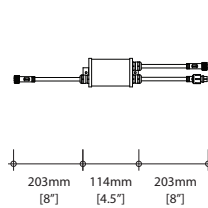*ADDITIONAL DETAILS AVAILABLE UPON REQUEST*

ELUME RGB LIGHT PANEL - ADDITIONAL WIRING COMPONENTS: * WIRING SCHEMATICS & HARDWARE REQUIREMENTS PROVIDED FROM ELUMANATION SPECIFIC TO EACH PROJECT*
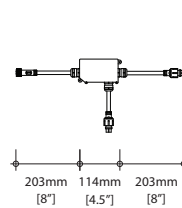

2M [6.5 Ft]
5M [32.5 Ft]
203mm [8"] 114mm [4.5"] 203mm [8"]
203mm [8"] 114mm [4.5"] 203mm [8"]
203mm [8"] 114mm [4.5"] 203mm [8"]
203mm [8"] 114mm [4.5"] 203mm [8"]
203mm [8"] 114mm [4.5"] 203mm [8"]

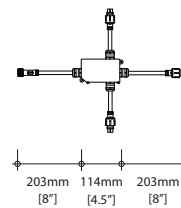**CABLE EXTENSION**
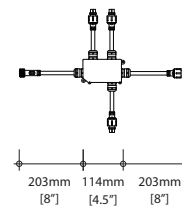MODEL: EL-RGB/EXT/2M

CABLE EXTENSION
MODEL: EL-RGB/EXT/5M

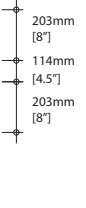**SIGNAL AMPLIFIER**
MODEL: EL-RGB/SA

2 WAY SIGNAL SPLITTER
MODEL: EL-RGB/SS/2

3 WAY SIGNAL SPLITTER
MODEL: EL-RGB/SS/3

4 WAY SIGNAL SPLITTER
MODEL: EL-RGB/SS/4

ORDERING SPECIFICATIONS: *EXAMPLE : ELP-SF32-RGB/1000X1500/4*

MODEL#	OUTPUT:	DIMENSIONS: [L x W]	LED LOCATION:	PLEASE NOTE:	ADDITIONAL RGB HARDWARE:
ELP-SF32	- RGB - *ADDRESSABLE COLOURS*	/***X*** - *LENGTH x WIDTH* *DIMENSIONS IN MM*	/1 - *LEDS ON 1 LONG EDGE* /2 - *LEDS ON BOTH LONG EDGES* /4 - *LEDS ON ALL 4 EDGES* /C - *CUSTOM - *PLEASE CONTACT US*	*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 SPECIAL MODEL: ELP-SF29 ONLY - CONTACT US PRIOR TO SPECIFING* *CONTACT US FOR PROJECT SPECIFIC WIRING SCHEMATICS*	**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*

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