

StoneLux™ RGBW

24V DC LED Backlighting Sheet | RGBW Color Changing

Create uniform, adjustable backlighting behind translucent stone, countertops, wall art, display cases, and architectural features. StoneLux™ sheets can be field-cut to fit the application and use integrated connectors for flexible power entry.



Quick Specifications

Specification	Value
Voltage	24V DC
Wattage	Up to 36W per sheet
Lumens	Up to 1000 lm per sheet
CCT	RGB + 4500K
CRI	90+
IP Rating	IP54
Dimming	5–100%
Dimensions	12 in. (304.8 mm) W × 24 in. (609.6 mm) L
Beam Angle	120°
Operating Temperature	–20°C (–4°F) to 45°C (113°F)
Certifications	cULus Listed — maintains UL listing when cut
Rated Life	50,000 hours

Features

- 4-in-1 RGB + 4500K Warm White
- Ideal for backlighting translucent materials
- Up to 1000 lm output per sheet
- 12 in. × 24 in. sheet size (2 sq. ft.)
- Field-cuttable on site for an accurate fit
- 3M peel-and-stick backing for quick installation
- Built-in terminal ports allow power entry from any side
- Clear rubber spacers lift and support material 3/8 in. (9 mm) above the sheet for even, diffused illumination (custom sized clear acrylic spacer available upon request)
- Double-copper traces for uniform and reliable, long-lasting output
- Maintenance-free design for permanent installations
- Optimized color rendering for translucent stone and Cristallo
- U.S. and international fulfillment from Orlando, Florida

Dimensions & Installation

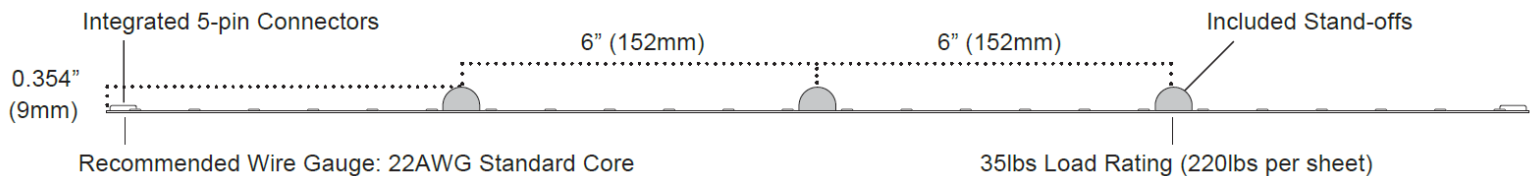
Sheet Size	12 in. × 24 in. (2 sq. ft.)
Profile	3/8 in. (9 mm) with included support stand-offs (Custom size spacers available upon request)
Connector Type	Integrated 3-pin connectors
Recommended Wire	18 AWG standard core
Support Rating	35 lb per stand-off; 220 lb per sheet
Installation	3M peel-and-stick backing

Application Guidance

Cut the 12 in. × 24 in. sheet to the required shape at the job site. Position the included clear rubber spacers to support translucent materials such as onyx approximately 3/8 in. (9 mm) above the light sheet, (custom sized clear acrylic spacer available upon request) helping produce an even, diffused lighting effect. Sheet-to-sheet jumper linking is supported using 22 AWG standard-core wire.

Installation Note: Maximum 8-10 sheets per decoder.

Installation Note: Every 8 sheets need a dedicated home run wire back to the decoder.



Ordering Information

Model	Voltage	CCT	Size	Lumens	Wattage	IP	CRI
StoneLux™ RGBW	24V DC	RGB + 4500K	12 × 24 in.	1800 lm	36W	IP54	90+

Controllers

Item Number	Description
IL-RGBW-DEC	RGBW Decoder
IL-SL-CTL-TW-DMX	DMX Controller
IL-SL-CTL-TW-RS232-SERIAL	RS232 Serial Controller
IL-TUN-CON	Standalone Tunable Knob Controller

Power Supplies

Item Number	Description
IL-PWS	20W Power Supply
IL-PWS	60W Power Supply
IL-PWS	96W Class II Power Supply
IL-PWS	150W Class II Power Supply
IL-PWS	320W Class II Power Supply
IL-PWS	480W Power Supply

Accessories

Item Number	Description
IL-SL-J2	2 in. Jumper
IL-SL-J8	8 in. Jumper
IL-LW-8	8 in. Lead Wire
IL-LW-CUSTOM	Custom Length Lead Wire
IL-SL-SP-25	Spacers, bag of 24
IL-SL-CON	Connectors
IL-CUSTOM-SPACER	Custom Size Clear Acrylic Spacer