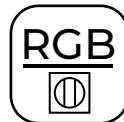


LLS-CRGB-A12A-60A01-24V



Available Models¹

- ☐ LLS-CRGB-A12A-60A01-24V ☐ LLS-CRGB-A12A-40A02-24V
☐ LLS-CRGB-A12A-60A01-24V (XH)

SAMPLE PART NUMBER BREAKDOWN

LLS-CRGB-A12A-60A01-24V (XH)

Series	Type	LED Type	LEDs per Segment	IP Rating	Wattage	LEDs per Sheet	Size	Voltage	Connector
LLS	CRGB	A	12	A	60	A	01	24V	(XH)
Strip Sheet	RGB	5050 SMD	12 LEDs/seg	IP20	60: 60W 40: 40W	288 LEDs	01: 18.9 x 9.4in. 02: 24 x 12in.	24 VDC	(XH): XH Type blank: pigtail

Overview

The LLS Series Flexible RGB LED Light Sheet can be cut to fit unique shapes and wrap corners in channel letters, displays, and sign lighting. Each sheet features 288 high-density LEDs for bright, uniform illumination, offering dynamic RGB color-changing and dimming capabilities. Each flexible sheet is divided into 24 segments with 12 LED segments. Apply the sheet by exposing the 3M™ adhesive backing or fastening it with screws² at the indicated spots.

Please refer to the specification sheet for cutting recommendations. Using only the pre-marked lines when cutting the sheet is essential to maintaining electrical contact.

Features

- RGB color-changing and dimming capabilities
- Flexible and cuttable design for various applications
- Easy installation with secure 3M™ adhesive backing

Product Details

- Enclosure rated: Min. 1.18" (from LEDs to diffuser)
- Max run (Class 2)³: 1.5 or 2.5 sheets (see spec table)
- 19" pigtail connection or XH connector
- 120° beam angle
- PWM Dimmable
- 24 VDC input

Certifications and Compliances

- UL Listed - UL 2108 (IFDR)



Applications

- Backlighting
- Billboards
- Channel Letters
- Displays
- Photography Lighting
- Retail Shops
- Showcases
- Sign Lighting
- Translucent Materials

Warranty

- 5-year warranty



¹ Contact customer service for additional options.

² Pan head fasteners required to avoid damage to sheet.

³ Max run listed with strip powered by single power supply at one end.

LLS Series LED Light Sheet

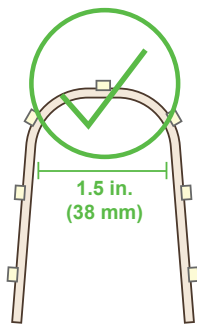
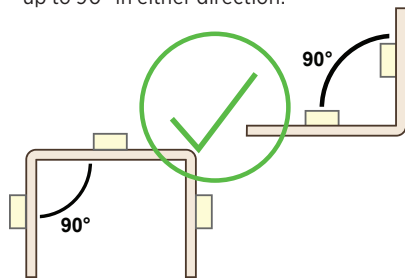
RGB Flexible LED Sheet Specifications

Specifications

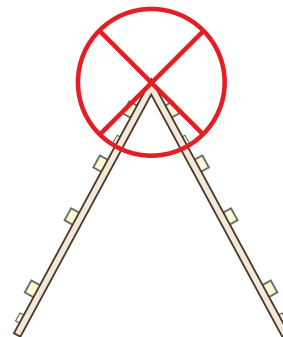
Model	LLS-CRGB-A12A-40A02-24V	LLS-CRGB-A12A-60A01-24V	LLS-CRGB-A12A-60A01-24V (XH)
PHOTOMETRIC			
LED Color	RGB		
LED Beam Angle	120°		
ELECTRICAL			
Wattage	4W (1.6W per Segment)	60W (2.5W per Segment)	
Current Draw	1.6A (66mA per Segment)	2.5A (104mA per Segment)	
Input Voltage	24 VDC		
Dimmer Type	PWM		
MECHANICAL			
Input Connection Type	Pigtail	Pigtail	XH connector
Max Run (Class 2) ³	2.5 Sheets	1.5 Sheets	
LED Type	5050 SMD		
LEDs per Segment	12		
LED Lifetime	50000 hours		
ENVIRONMENTAL			
IP Rating	IP20		
Environmental Rating	Non-weatherproof, Suitable for Dry Locations		
Ambient Operating Temperature	-20 to 45°C (-4 to 113°F)		

Strip Flexibility

Hard bends can be made up to 90° in either direction.

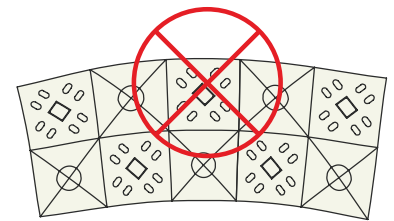


Soft bends less than 1.5 in. may damage circuit traces and void warranty.



Bending strips sheets or sections at sharp angles will damage circuit traces and void warranty.

Bending strip sheets or sections on horizontal plane will damage circuit traces and void warranty.



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email: commercial-sales@superbrightleds.com

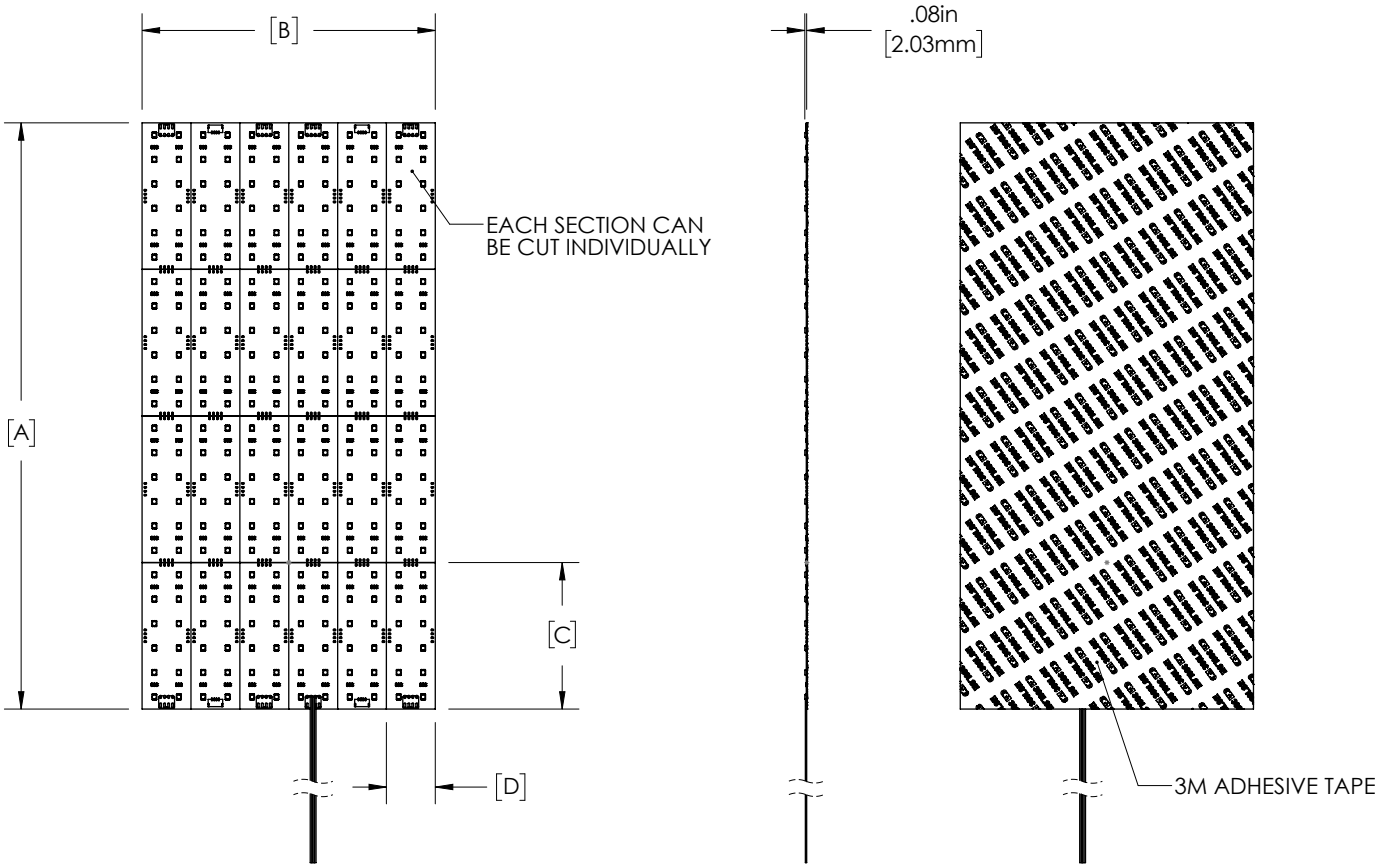
Rev V2.2 Date: 04/24/2025
Specifications are subject to change without notice.

LLS Series LED Light Sheet

RGB Flexible LED Sheet Specifications

Dimensional Drawings

Each (XH) LED sheet includes one 4-wire 19in. (483mm) wire lead and one interconnect, but has no attached pigtail.



LLS-CRGB-	A12A-40A02-24V	A12A-60A01-24V	A12A-60A01-24V (XH)
A	24in. (610mm)	18.9in. (480mm)	18.9in. (480mm)
B	12in. (305mm)	9.5in. (241mm)	9.5in. (241mm)
C	6in. (152mm)	4.7in. (120mm)	4.7in. (120mm)
D	2in. (51mm)	1.6in. (40mm)	1.6in. (40mm)

