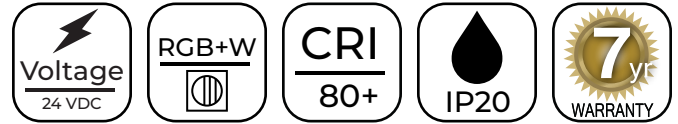




LLS-DxK80-A12A-80A01-24V (XH)



Available Models¹

- LLS-B-D30K80-A12A-80A01-24V (XH)
- LLS-B-D40K80-A12A-80A01-24V (XH)
- LLS-B-D50K80-A12A-80A01-24V (XH)

SAMPLE PART NUMBER BREAKDOWN

LLS-B-D30K80-A12A-80A01-24V (XH)

Series	Type	CCT	CRI	LED Type	LEDs/Segment	IP Rating	Wattage	LEDs per Sheet	Size	Voltage	Connector
LLS-B	D	30K	80	A	12	A	80	A	01	24V	(XH)
Strip Sheet	RGB+W	30K: 3000K 40K: 4000K 50K: 5000K	80+	5050 SMD	12 LEDs/seg	IP20	80 Watts	288 LEDs	18.9 x 9.45in.	24 VDC	XH 5-Pin

Overview

The RGB+W LED Light Sheet is thin and flexible making it easily customizable and adaptable for backlighting, light boxes, logos, and more. A compatible controller can be used to select from a range of RGB colors or a single white CCT (as ordered 3000K, 4000K, or 5000K). Ideal for signs and backlighting, the segments have marked cut lines making it easy to shape the light sheet as needed. Four on-board XH connectors simplify installation and allows for connecting segments together by using the included interconnect cable. To install, use the 3M™ adhesive backing or fasten it with screws² at the indicated spots.

Features

- Flexible sheet with cut lines for custom fitting
- Offers a range of RGB colors and static white
- Four on-board XH connections for simplified wiring
- 3M™ adhesive backing for easy installation
- Requires min. 30mm of clearance for thermal management

Product Details

- Included: (1) 19" pigtail connector, (1) 3" interconnect
- Input connection: 5-pin XH connector
- Segment size: ~4.7" x 1.6" – 24 segments per sheet
- Class 2 Max Run: 1 Sheet
- PWM dimmable
- 24 VDC input

Certifications and Compliances

- UL Listed - UL 2108 (IFDR)
- CE compliant



Applications

- Backlighting
- Channel Letters
- Commercial Lighting
- DIY Projects
- Light Boxes
- Menu Boards
- Sign Lighting

Warranty

- 7-year warranty



¹ Contact customer service for additional options.
² Fasteners must have a flat bottom on the head to avoid damage to the sheet.

RGB+W LED Light Sheets

Flexible LED Sheet Specifications

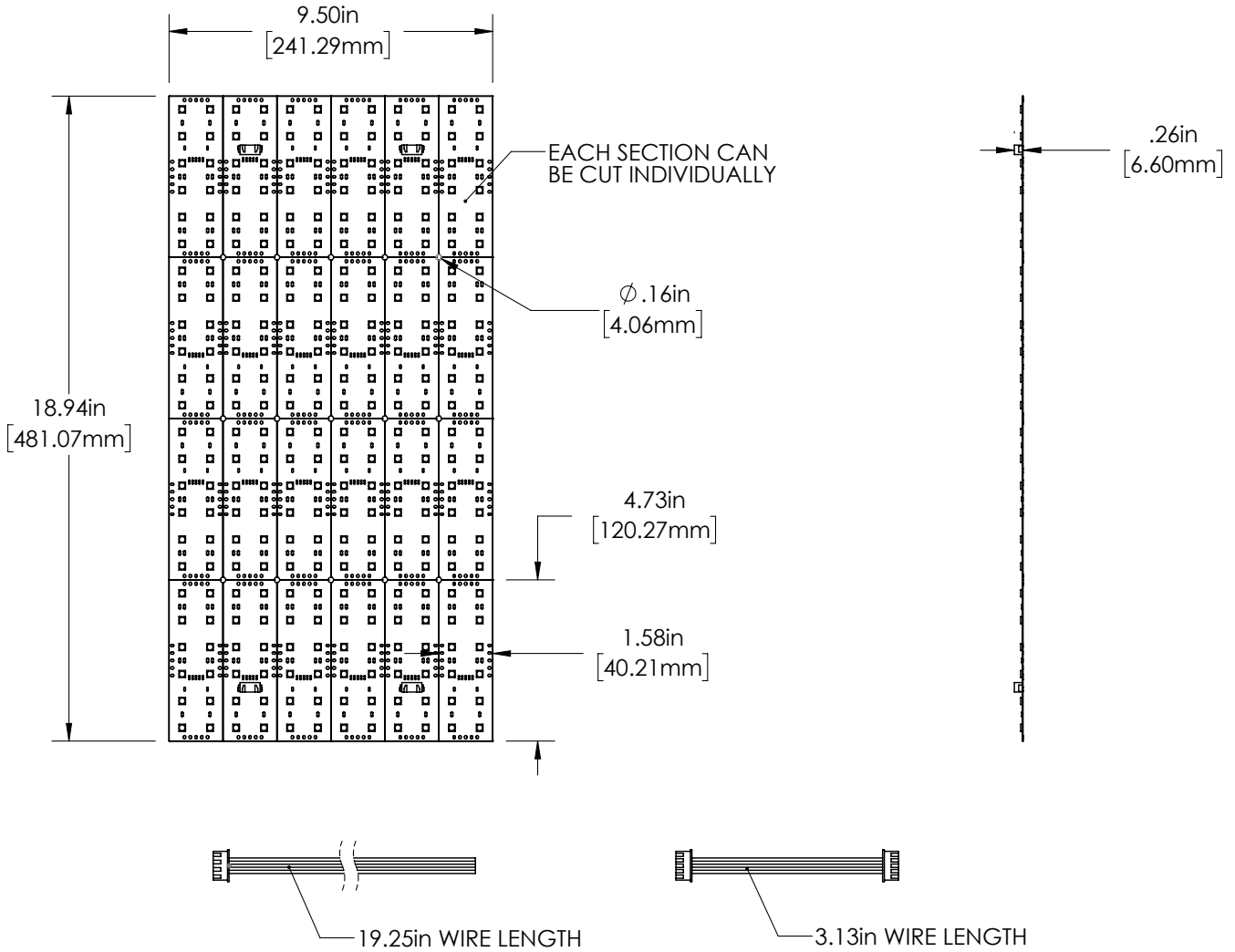
SPECIFICATIONS	
Model	LLS-B-DxK80-A12A-80A01-24V (XH)
PHOTOMETRIC	
LED Color	RGB+White
Color Temperature	3000K, 4000K, or 5000K (as ordered)
Lumens per Sheet	3600 lm (white LEDs only)
Efficacy	45 lm/W
CRI	80+
LED Beam Angle	120°
ELECTRICAL	
Input Voltage	24 VDC
Wattage per Sheet	80 Watts
Current Draw	3.3A
Dimmer Type	PWM
MECHANICAL	
Segment Size	4.72in. x 1.57in. (120mm x 40mm)
LEDs per Segment	12
Max Run (Class 2) ³	1 Sheet
Input Connection Type	Pigtail, XH 5-Pin Connector
Output Connection Type	XH 5-Pin Connector
LED Type	5050 SMD
LED Lifetime	50000 hours
ENVIRONMENTAL	
IP Rating	IP20
Environmental Rating	Suitable for Dry Locations. Non-weatherproof
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)



RGB+W LED Light Sheets

Flexible LED Sheet Specifications

Dimensional Drawings

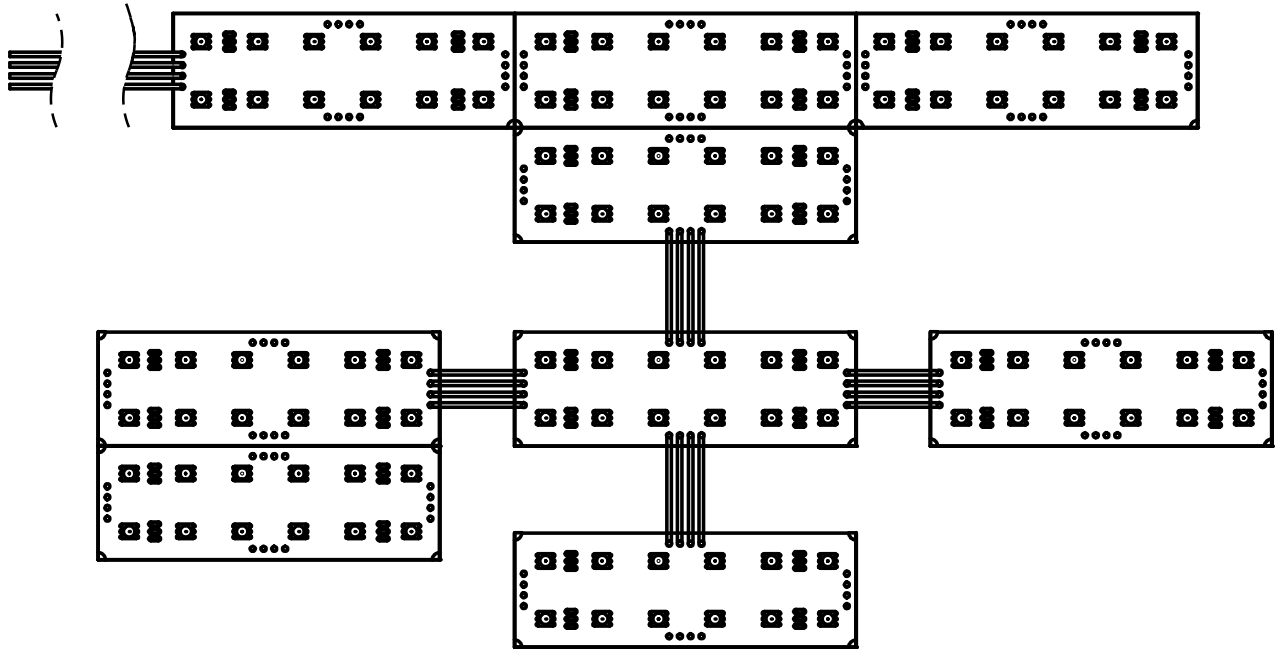


RGB+W LED Light Sheets

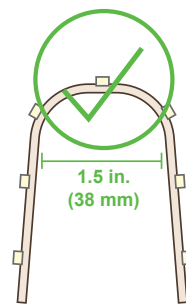
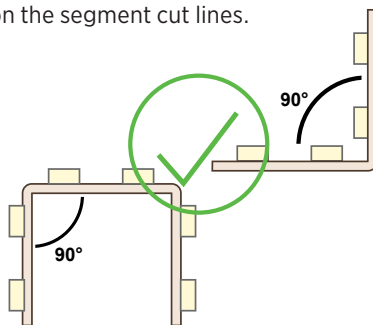
Flexible LED Sheet Specifications

Cutting Segments And Strip Flexibility

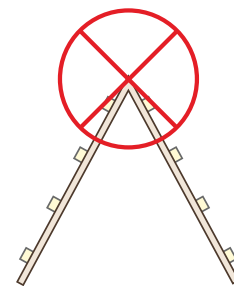
When cutting LED sheets into custom shapes, using only the pre-marked cut lines is essential to maintaining electrical connections. Each segment has contacts on all four sides and connects automatically to adjacent sections when uncut. Solder wires to the segments' solder pads to achieve your desired configuration. Additional power can be applied to extend the run length of any segment.



Hard bends can be made up to 80° in either direction on the segment cut lines.



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



Bending LED sheets or sections at sharp angles or at places other than designated cut lines will damage circuit traces and void warranty.

