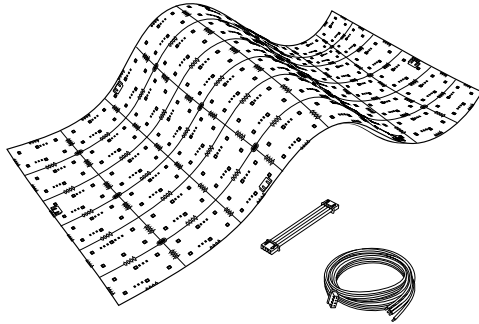


RGB COLOR CHANGING FLEXIBLE LED SHEET 52W

Product Description

Solid Apollo's RGB Color Changing Flexible LED Sheets offer incredible solutions to many lighting challenges like back lighting. In the past, back lighting had to be achieved by running multiple LED strips concurrently or setting up numerous modules for one project which is time consuming and could result in hot spotting. Now, with the introduction of these LED sheets, back lighting is as easy as cutting the sheet to size, mounting, and powering. No more hot spots or individually wired rows. Each RGB flexible sheet contains 288 LEDs in 48 cuttable sections and can bend to conform to curves, contours, and other challenging setups. Cut points that span across the entirety of the LED sheet allow for unique shaping to fit in spaces otherwise inaccessible to standard LED strips.

Four full RGB sheets can be run on a single power feed. Onboard connectors around the sheet allow for easy plug and play use with the included power adapter and interconnector. Custom cut sections that may not include an onboard connector can easily be attached using the solder pads present on every cuttable section of the sheet.



- 24" x 12" Flexible and Cuttable LED Sheet
- Perfect for Back Lighting, Shelf Lights, Light Boxes, Backlit Stone, and More
- 288 LEDs in 48 Cuttable Sections
- Easily Conform to Slopes and Curves
- Cut Sheet to Custom Shapes
- Backed With 3M Double Sided Tape for Easy Installation
- Cut Points Every 3 Inches Horizontally and 2 Inches Vertically
- 5 Years warranty
- UL Listed, RoHS, CE

EACH SHEET

288 LEDs

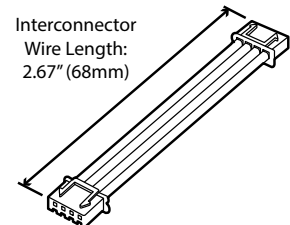
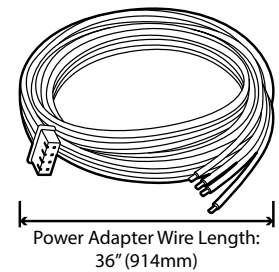
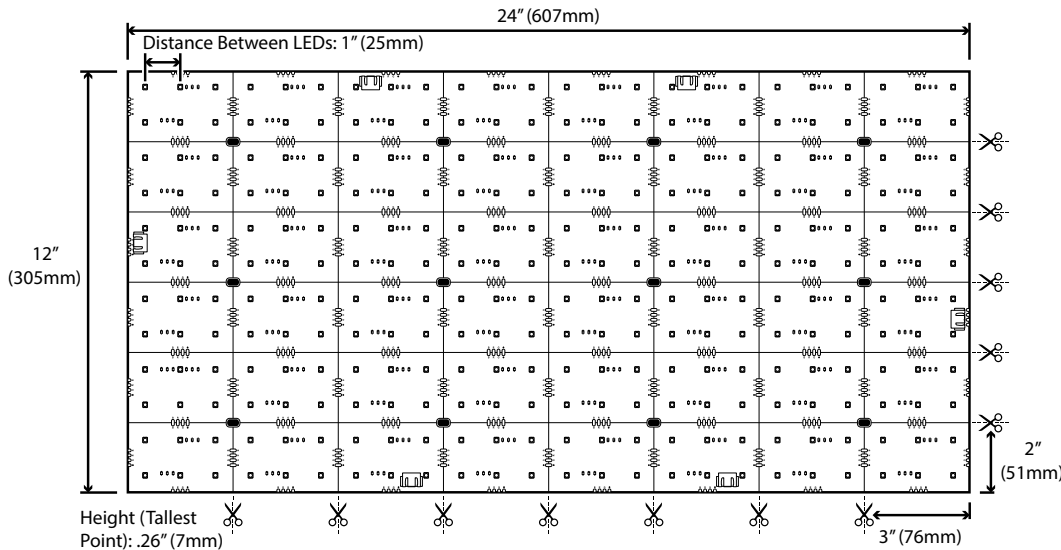
48 CUTTABLE SECTIONS

UP TO 1733+ LUMENS/SHEET

Quick Spec.

- **Fully Dimmable:** Yes
- **Voltage:** 24V DC
- **Total Wattage:** 52W
- **Total LEDs:** 288
- **LED Type:** SMD 4040
- **Minimum Cut:** 2in vertically, 4in horizontally
- **Dimensions:** 24" x 12" x .26" (tallest point)
- **Working Temperature:** -40° to 122°F

Technical Information



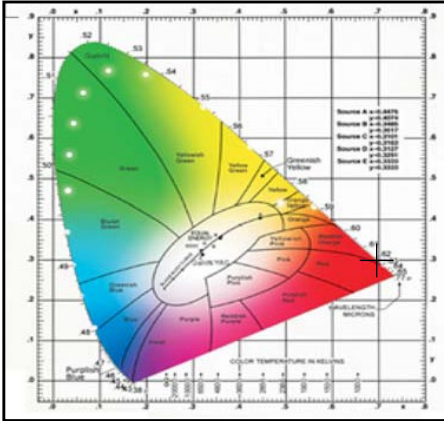
Technical Information

Available LED Color	SKU#	Temp (K)	LEDs/Sheet	Lumens/Sheet	Max Wattage	LED Type	Color Rendering Index	Cutttable Sections
RGB	SA-FLS-RGB-288-24V	N/A	288	1733	52W	SMD 4040	N/A	48 Sections at 2" x 3"

Colorimetric Parameters

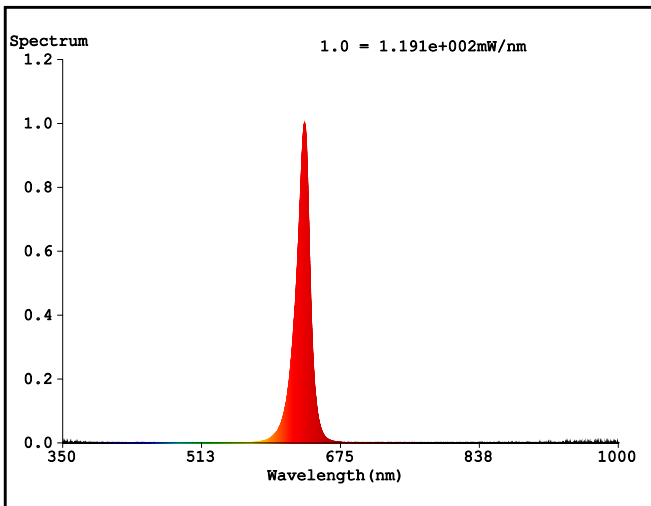
RED LED

CIE1931 CHROMATICITY DIAGRAM



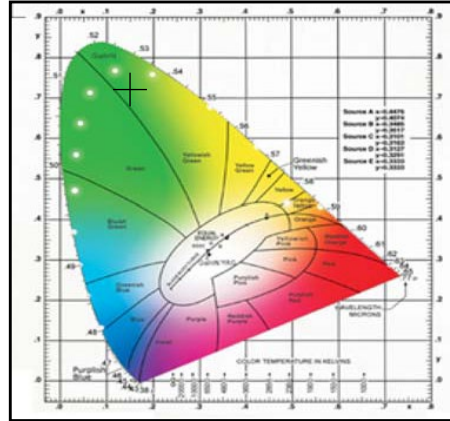
X = 0.6974 Y = 0.3023 CCT = 1001K

SPECTRAL DISTRIBUTION



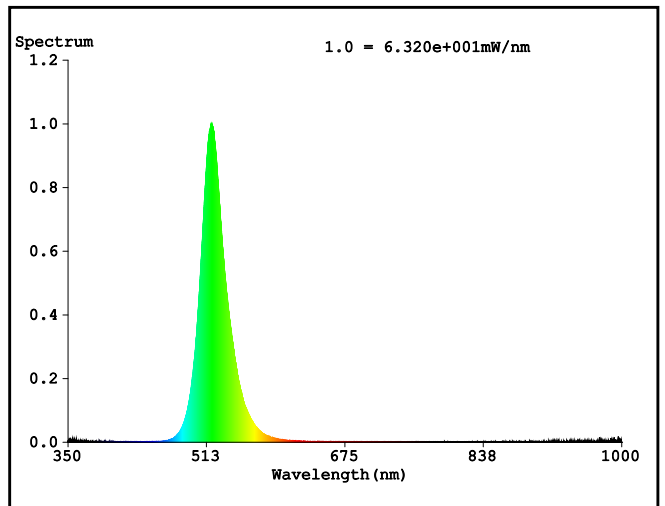
GREEN LED

CIE1931 CHROMATICITY DIAGRAM



X = 0.1559 Y = 0.7272 CCT = 8533K

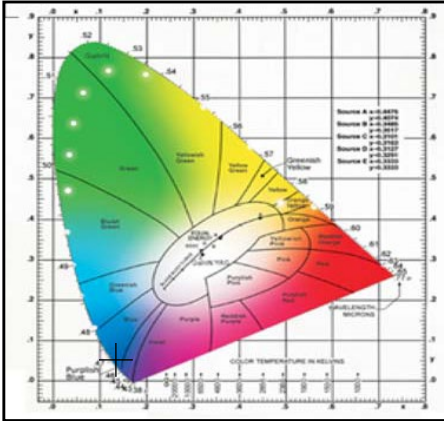
SPECTRAL DISTRIBUTION



RGB COLOR CHANGING FLEXIBLE LED SHEET 52W

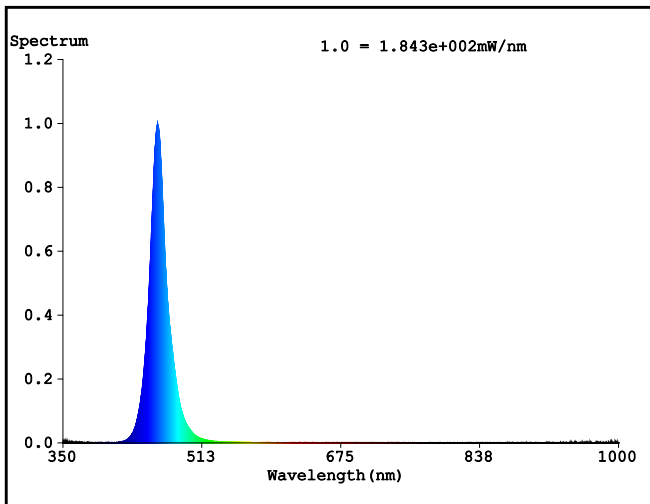
BLUE LED

CIE1931 CHROMATICITY DIAGRAM



X = 0.1400 Y = 0.0494 CCT > 100000K

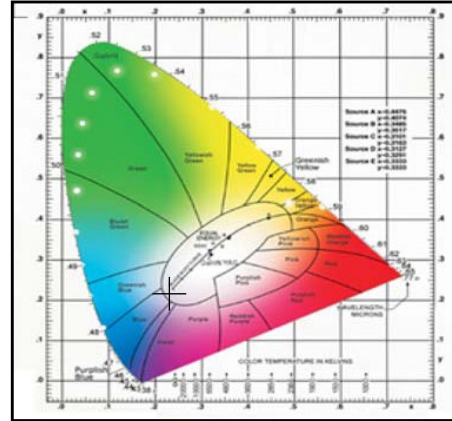
SPECTRAL DISTRIBUTION



WHITE LED

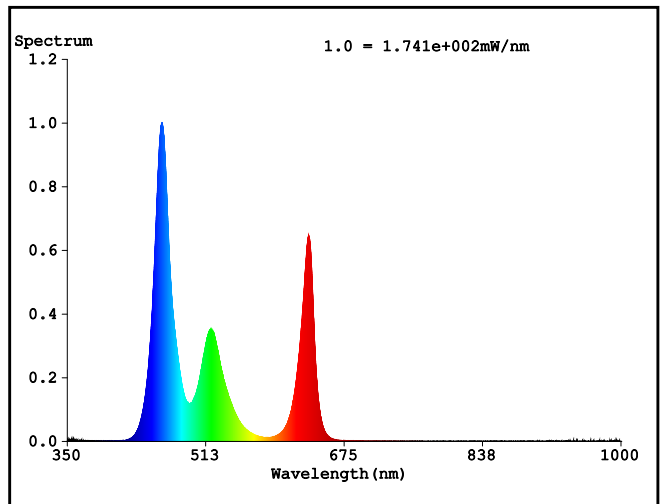
RED, GREEN, AND BLUE AT 100%

CIE1931 CHROMATICITY DIAGRAM



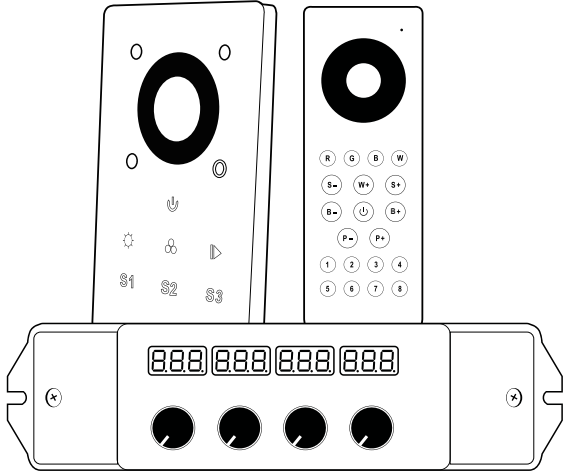
X = 0.2381 Y = 0.2126 CCT = 99440K

SPECTRAL DISTRIBUTION

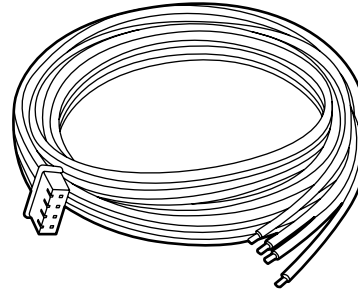


RGB COLOR CHANGING FLEXIBLE LED SHEET 52W

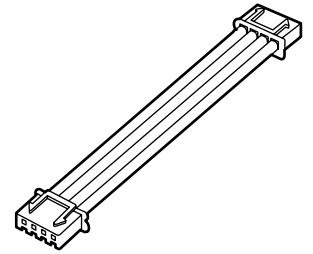
RGB Controllers



LED Sheet Connectors

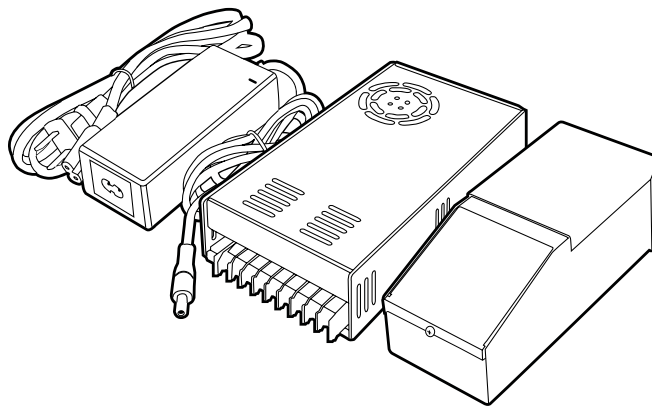


3' RGB LED Light Sheet Power Adapter
SKU: SA-FLS-ACC-3FT-RGB-ADAPTER



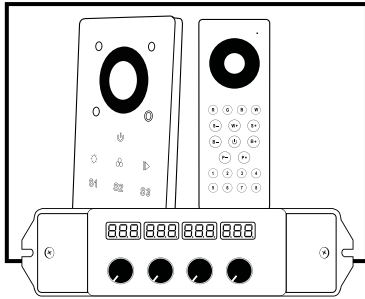
RGB LED Light Sheet Interconnector
SKU: SA-FLS-ACC-RGB-CONNECTOR

Power Supplies

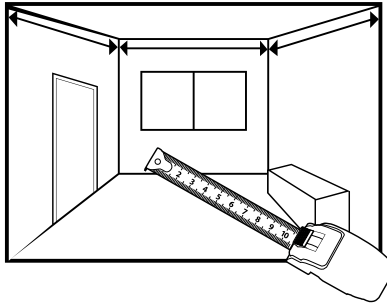


RGB COLOR CHANGING FLEXIBLE LED SHEET 52W

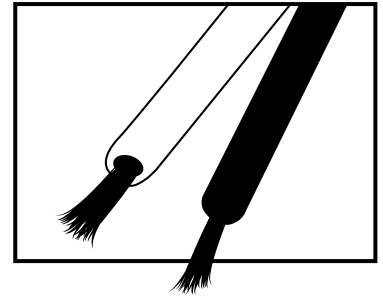
1. Determine where to install the Driver and Dimmer.



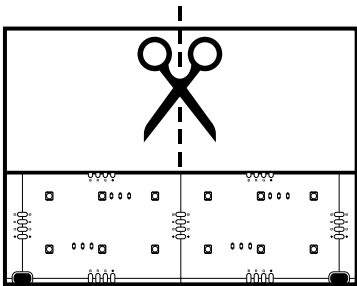
2. Determine the measurement of area where the LED Sheet will be placed.



3. Determine how much is wire needed (Driver to Dimmer, Dimmer to LEDs).



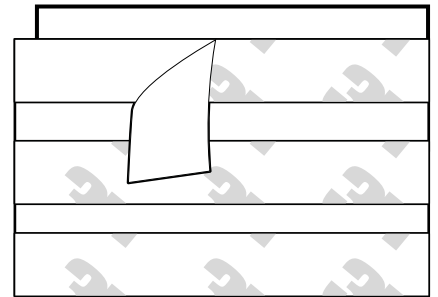
4. Cut LED Sheet (at cutting points) to fit or join multiple sections as recommended to cover installation area.



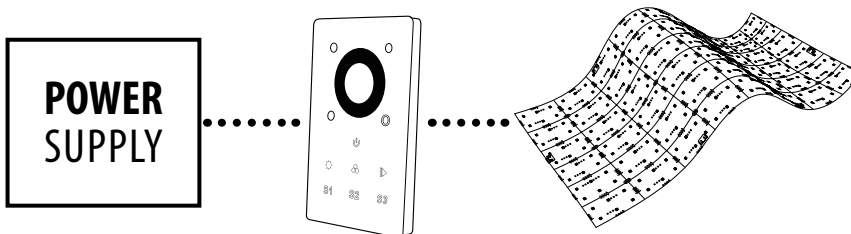
5. Thoroughly clean the surface where the LED Sheet will be mounted.



6. Peel the 3M Tape cover from the back of the LEDs and mount it on surface.



7. Complete the connection/wiring between the Power Supply, Dimmer and LEDs.

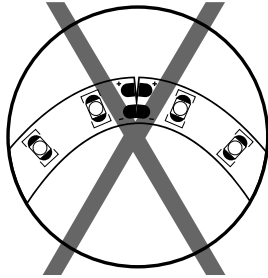


8. Power up and enjoy!

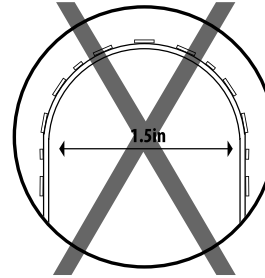
Note: If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

RGB COLOR CHANGING FLEXIBLE LED SHEET 52W

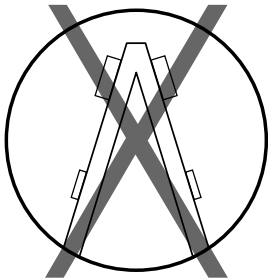
Do not bend LED Sheets sideways.



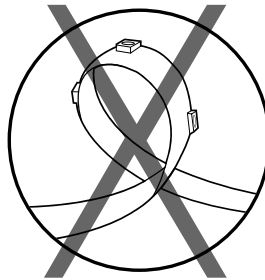
Do not bend LED Sheets to a diameter less than 1.5 inches.



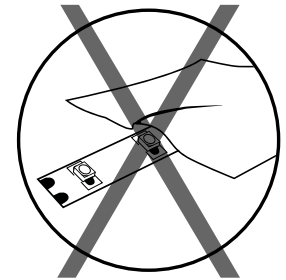
Do not fold or crease LED Sheets.



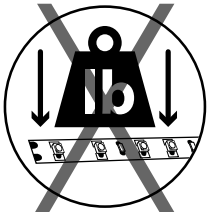
Do not twist LED Sheets.



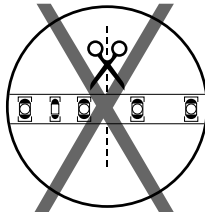
Do not cover LED Sheets with anything other than LED Diffusers.



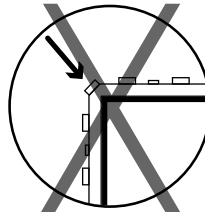
Do not put direct excessive pressure on the LED surface.



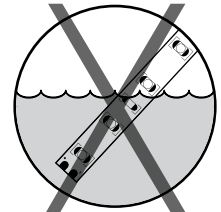
Do not cut LED Sheets except at designated cutting points.



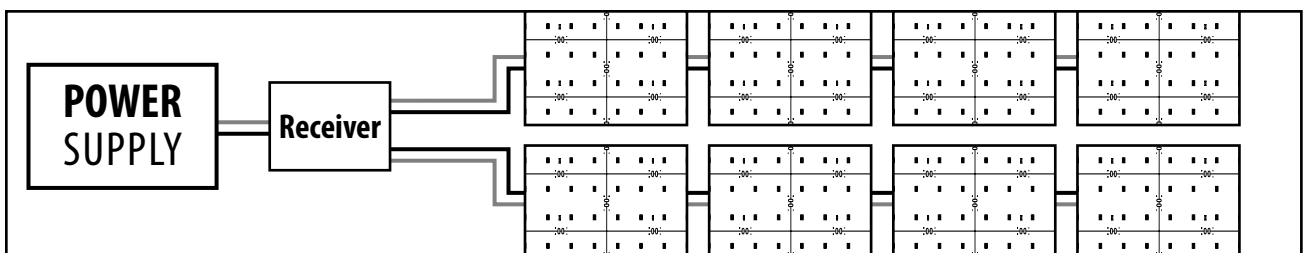
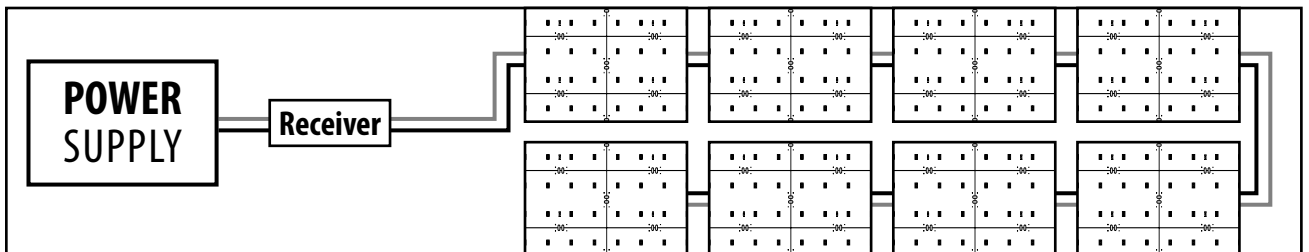
Do not position LED at an angled surface where it is pressed.



Do not submerge LED Sheets.



Do not connect or interconnect more than 4 full LED Sheets (188 individual sections) to one Power Feed.



RGB COLOR CHANGING FLEXIBLE LED SHEET 52W

Safety / Disclosures

1. Please follow the included installation guide for proper installation procedure (See pg. 5).
2. Install in accordance with your national or local electrical code regulations.
3. Not suitable for wet locations.
4. Do not expose LED chips to direct sunlight continuously.
5. Do not expose to heat more than the specified Temperature ratings and do not install too close to stoves, fireplaces, and so on.
6. Only install with the required Driver/Power Supply – 24V DC Constant Voltage Driver.
7. Use a separate power feed for each recommended maximum run.
8. Only use cables that are certified for use with external connection of electrical equipment and rated for at least 80°C (176°F)
9. Do not mishandle product or modify beyond the guidelines given as this may void product Warranty.
10. Only use the recommended accessories and wires to connect between LED Sheet, Driver, Controller, and other devices in between.
11. The output color of the LED Sheets may have slight variation from that of the pictures on this document or website due to photo rendering limitations.
12. Design improvements and modification of the products could happen from to time and we reserve the right to do these improvements necessary without any prior notice.

Warranty

The **RGB Color Changing Flexible LED Sheets 52W** come with a 5-year limited warranty from the date it is shipped to the customer. This warranty covers the product as long as it is used for the designed purpose and normally operated unless otherwise stated.

Please visit www.solidapollo.com/returns-amp-warranty.html for the complete warranty details on the product. For any additional questions about product warranty, feel free to contact customer support at 425.582.7533.