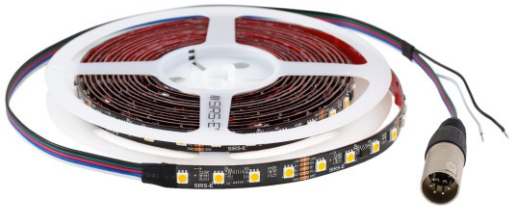
DMX 12V White LED Strip

DMX-12WHXX-60XX

Customer Name	Project Name	Part Number



Description

The SIRS-E® DMX White Digital LED Strip light harnesses the power of a direct DMX512 signal for pixel-by-pixel programmability through the DMX software of your preference. Customize the intensity of each diode effortlessly, without the need for extra decoders or signal filters. All you need is data and power to gain complete, individual control over each strip.

Product Specifications

Input Voltage	12V DC	Cut/Readdress	Cuttable every 4 pixel / Readressable at 1.64 ft (0.5m)[1]
Control Method	DMX 512 Control - Pixel by Pixel, Auto-addressable	Reel Length	16.4ft / 5m
Power Consumption	4.39 W/ft	Max Run Length	10m, powered from both ends
LED Chip Type	High Quality SMD 5050 3-Diode	Segment Width	0.63in / (16mm)
LED Density	60 LEDs/m	Luminous Flux Maintenance	75,000 hrs[2]
Channels/Pixels	1 Channel per Pixel (260 Channels total)	Dimming	DMX512 Control - Pixel by Pixel
Board Type/Color	4 oz Density Copper, Black PCB	Environmental	IP 40 - Indoor, Dry / IP 68 - Damp, Wet
Operating Temperature	-20°F to 120°F	Warranty	5 Years Limited
Mounting	Non-Porous: 3M Adhesive Tape		

Product Photometrics[3]

Nominal CCT (K)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)	CIE (x,y)	Duv	CRI	TM-30-15 Fidelity (Rf)	TM-30-15 Gamut (Rg)
2200					95		
2700	315	77.4	(0.4536, 0.4082)	+0.0005	95.9	90.8	97.4
3000	321	78.6	(0.4225, 0.3977)	+0.0005	95.9	90.9	97.9
3500	327	80.8	(0.3825, 0.3787)	+0.0005	96.2	89.2	98.3
4000	330	81.8	(0.3666, 0.3690)	+0.0005	96.3	88.4	97.2
5500					95		

1 - The DMX White LED strips are cuttable every 4 pixel, but in order to start at DMX address channel 001, you need to cut at 1.15ft (29.29mm), usually represented were there is solder joints. if you want to change the starting address, you will need a DMX Address Module, available on our website.
2- After 75.000 hrs: 30% Luminous Flux loss, 10% Chromaticity change, as per LM-80-15.
3 - Photometric values estimated from our Acuvivid White Series of LED strip.
4 - Value to be completed in short.

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Ordering Guide

	Voltage	Color	CCT[1] / λ[2]		Density	IP
DMX	–	12	WH	XX	–	60	XX
				22			40
				27			68
				30			
				35			
				40			
				55			

[2] Peak wavelength, represent by the 3 digits of the color wavelength.

Product Country of Origin

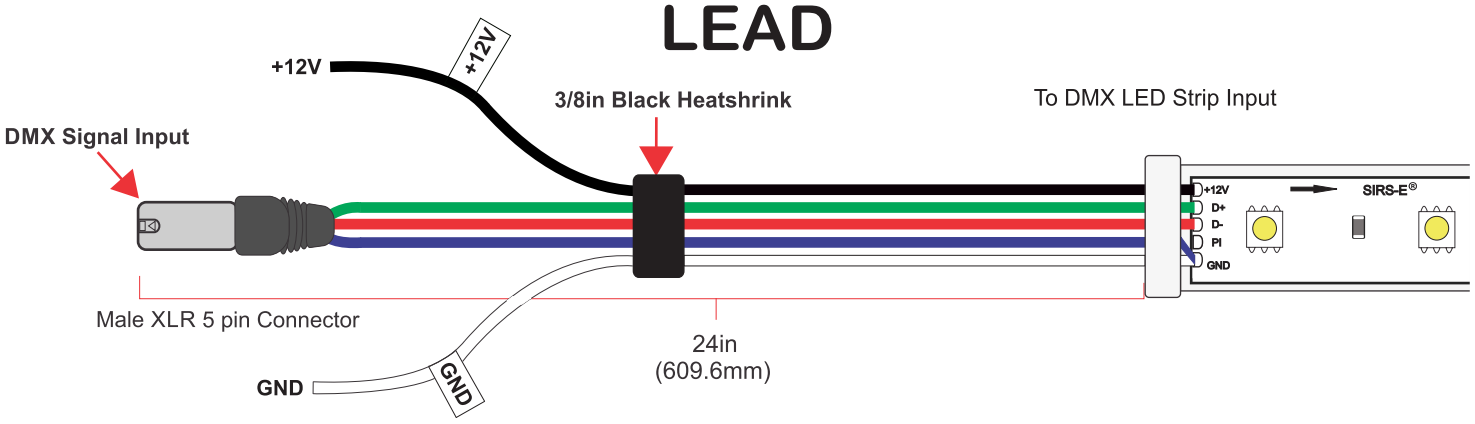
Product Engineering & Design	USA
Assembled	China Preassembled / USA Final Assembly
QC Quality Control	USA
Product Customization	USA
Technical Support	USA

[1] CCT - Correlated Color Temperature, represented by the first 2 digits of the nominal CCT.

22 - White 2200 K
27 - White 2700 K
30 - White 3000 K
35 - White 3500 K
40 - White 4000 K
55 - White 5500 K

Wiring Diagram

LEAD



(Front View)
XLR Male Cable

Color Code Male XLR 5 pin

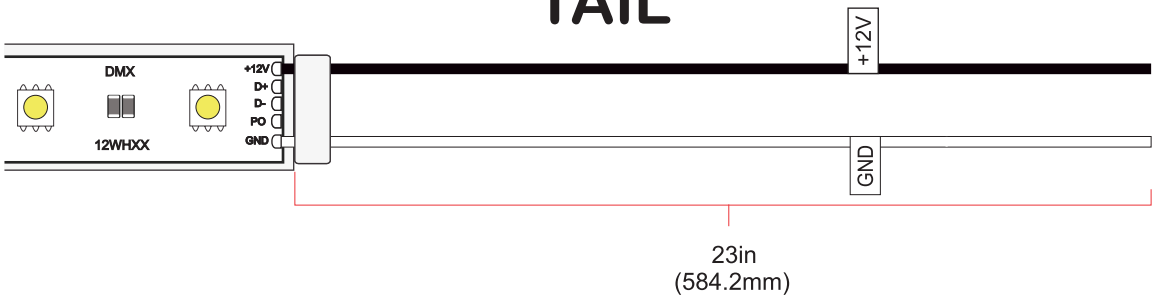
Color Code XLR

Pin 1 - V- / Ground
Pin 2 - B / DMX-
Pin 3 - A / DMX+
Pin 4 - PI / Data in
Pin 5 - NC

Color Code LED Strip

+12V
A
B
PI
Ground

TAIL



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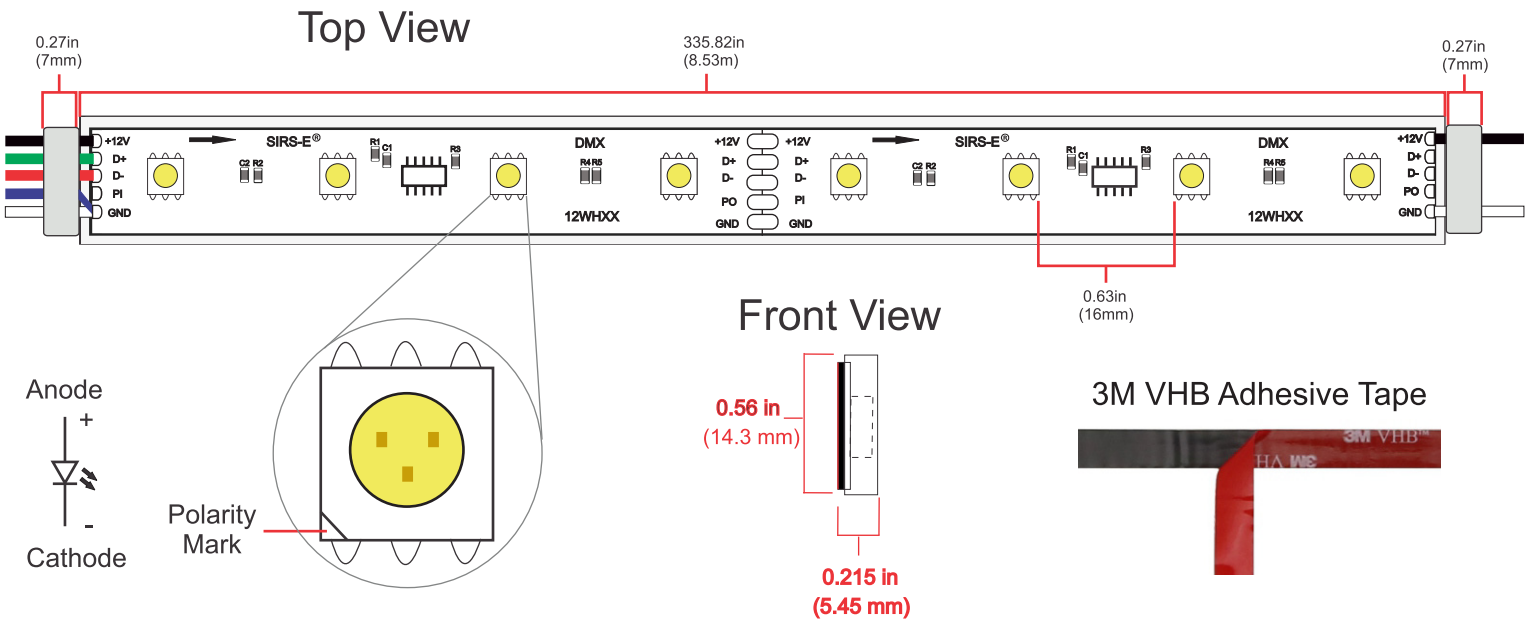
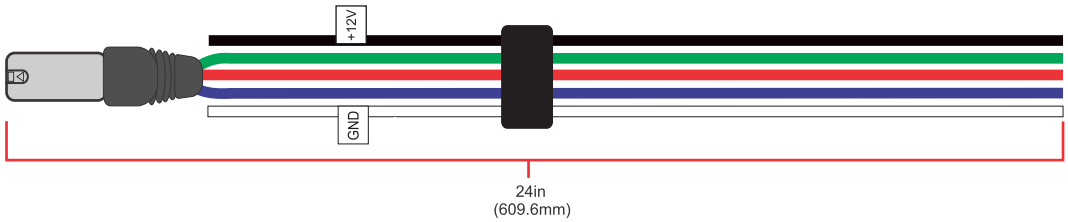
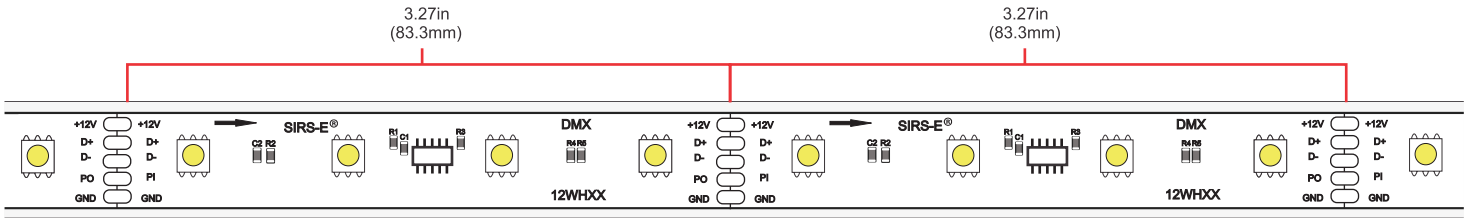
Mechanical Dimensions



Type of Cables



Cutting & Re-Addressing Instructions



The DMX White Strips are cuttable every 4 pixels, and continue with the sequencial DMX that was last used.

If you want to change the starting address back to 001, you will need a **DMX Address Writter** (PN#DMX-STRIP-PROG2), available on our website.

Weight

Product Weight: 13.4 oz, 17.5 ft Reel (Ip68), Without Packaging

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Compatible Accessories

This list shows some of our most sellable accessories compatible for this product. For a complete list, please visit our website.

SIRS-E®
ArtNet to DMX Interface
Pro 6 Universes
(AD-PRO-6)

MADRIX USB One
DMX512 Interface
& Software License
(Sold Separately)

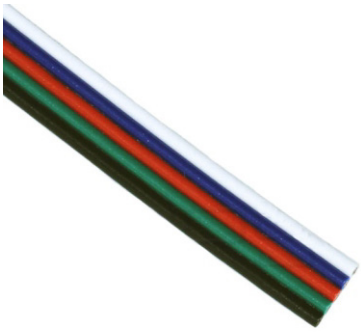
Meanwell 5V PSU
(LED-PS05V-30W-UL)

MADRIX Luna
ArtNet Interface

Baxter Controls DMX
Basic Pocket Console
(As a Testing Tool)

DMX Address Writter
(DMX-STRIP-PROG2)

Neutrik
5 PIN Male Connector
(NC5MXX)



SIRS-E RGBW
Wire Leads

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Notes

- A good technique to minimize brightness loss and increase lumen output on CV LED Strips is to power the strip on both sides.
- LED electrical and photometric characteristics change with the manufacturing batch/bin date. Approximately 3-Step MacAdam Ellipses between batches.
- We reserve the right to change any data without prior notice.

About Us

LED LIGHTING AND DMX CONTROL

SIRS-E /**s**emiconductor • **i**llumination • **r**esearch • **s**olutions /

In 2004, SIRS-E began research into the use of high powered LED components to be applied in direct lighting fixtures and LED strips.

In 2005, SIRS-E developed the RGB HPL01 – 12 watt (60 lumens per watt efficiency) RGB lighting fixture controlled via DMX using LumiLEDS, one of the first high powered LEDs eventually acquired by Phillips.
Included in early research solutions, was the development and testing of many different LE strips intended to be used for direct RGB lighting and effects applications.
This was the beginning of what we now know as SIRS – Electronics.

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