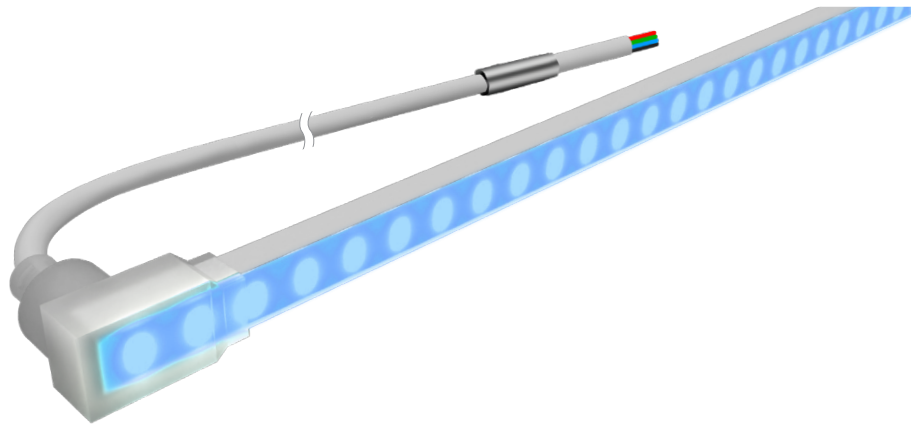# Swimming Pool Strip Light - SWP-5050-100-RGB Color

This RGB LED strip light is expertly crafted for swimming pools, offering both durability and flexibility with a minimum bending diameter of 120mm. It operates on a 24VDC power input with a user-friendly installation process, connecting seamlessly to drivers. The multicolor capabilities of this strip light make it an ideal choice for swimming pool illumination as well as various outdoor applications, adding vibrant, adjustable colors to enhance any setting.

Features

- Top bending; bright light emission along the bent surface.
- IP68 waterproof rating; can be submerged at a maximum depth of 2 meters (6.5 feet) in water.
- Made with soft and flexible PVC extrusion, resistant to chloride ingress.
- Chlorine resistant.
- Maximum run length of 16.4'.
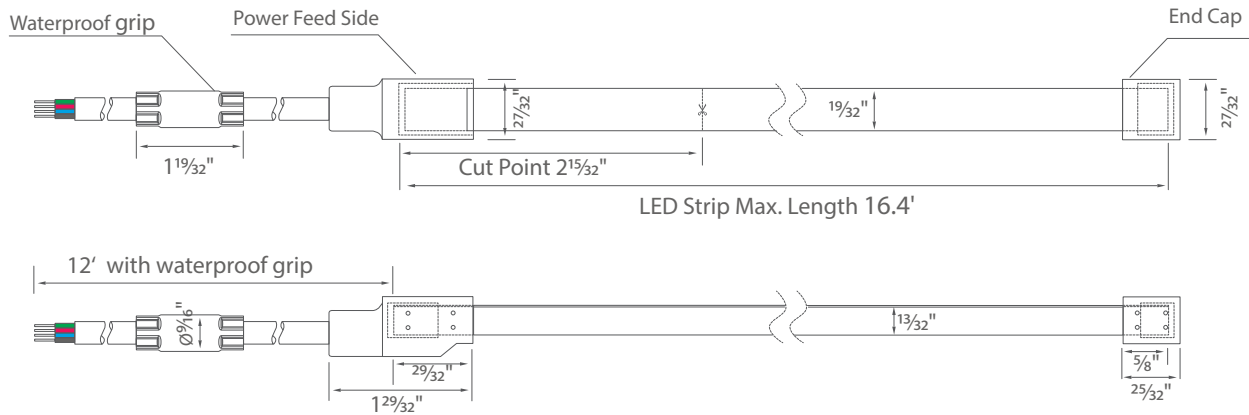- 50,000h long lifespan with 3 years limited warranty.
- UL listed.

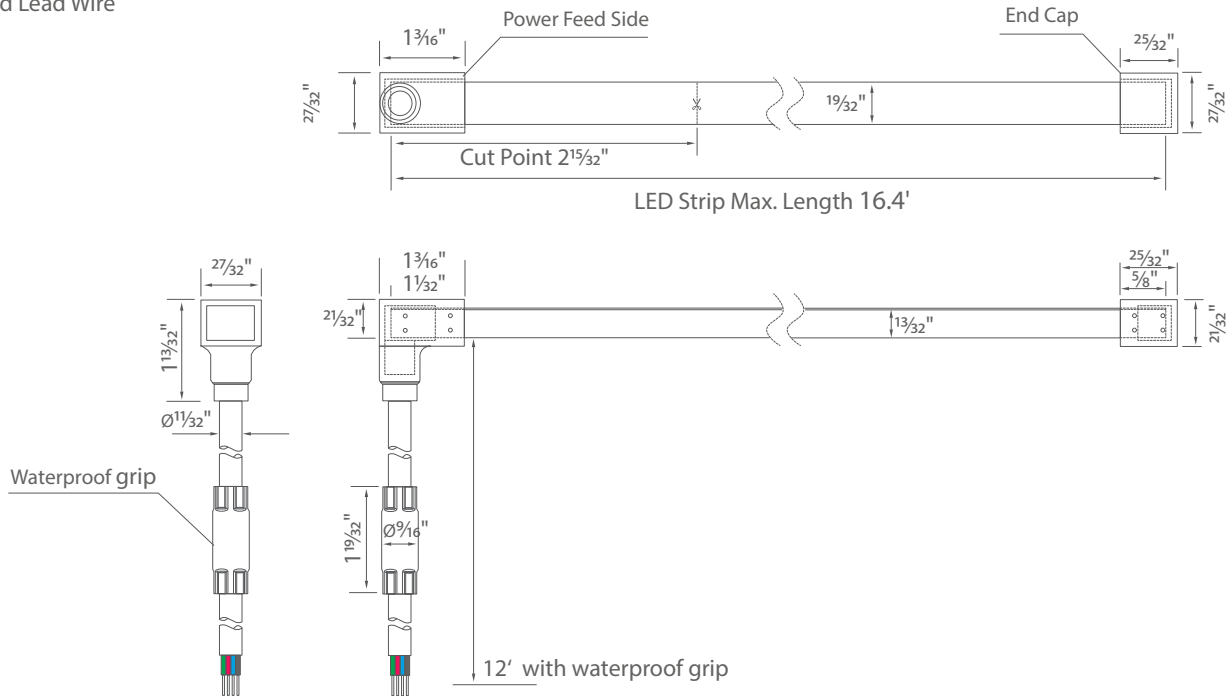IP 68 | RGB | TOP BEND | UL | 3 YEAR WARRANTY

Specification

Input Voltage	24VDC		**LED Quantity**	29LEDs/ft
Lead Wire	12'		**No Voltage Drop**	16.4'
Color	RGB		**LED Chip**	5050
Brightness	160lm/ft		**Operating Temperature**	14°F~113°F
Light Efficacy	35.5lm/W		**Lumen Maintenance**	50,000 hrs
Power Consumption	4.5W/ft		**IP Rating**	IP68 (Wet location)

GL LED US LIGHTING reserves the right to modify this specification without prior notices.

Dimension

Rear Feed Lead Wire

Waterproof grip Power Feed Side End Cap

27/32"

1 19/32"

Cut Point 2 15/32"

19/32"

27/32"

LED Strip Max. Length 16.4'

12' with waterproof grip

Ø 9/16"

13/32"

29/32"

1 29/32"

5/8"

25/32"

Back Feed Lead Wire

Power Feed Side End Cap

1 3/16"

25/32"

27/32"

21/32"

Cut Point 2 15/32"

19/32"

13/32"

27/32"

LED Strip Max. Length 16.4'

27/32"

1 13/32"

Ø 11/32"

Waterproof grip

1 19/32"

1 3/16"
1 1/32"

21/32"

Ø 9/16"

25/32"
5/8"

13/32"

21/32"

12' with waterproof grip

Note:

1. According to the UL certification standards, the lead wire is designed to be 12ft long, with a metal waterproof grip located near its end to ensure waterproofing of the strip light. This waterproof grip is designed to prevent the penetration of moisture into the lead wire and must not be removed.

2. The waterproof grip should not be submerged in water.

3. The exposed end of the lead wire must maintain a minimum distance of 6ft from water.


Water Vapor

Waterproof grip
Prevent water vapor from entering.

Water Vapor
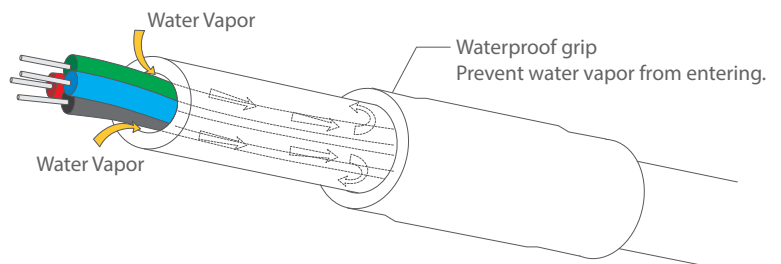
Order Information

	Series	Color Temperature	Voltage	IP Rating	Lead Wire Type	Length(ft)	Length(inch)
GL -	SWP-5050-100	RGB	24V	IP68			

Lead Wire Type
RF-Rear Feed Lead Wire
BF-Back Feed Lead Wire

Length(ft)	
1-1'	**9**-9'
2-2'	**10**-10'
3-3'	**11**-11'
4-4'	**12**-12'
5-5'	**13**-13'
6-6'	**14**-14'
7-7'	**15**-15'
8-8'	**16**-16'

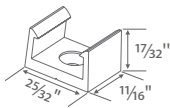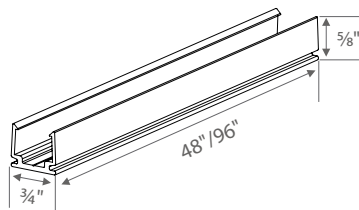| Length(inch)	
0-0"	**7**-7"
1-1"	**8**-8"
2-2"	**9**-9"
3-3"	**10**-10"
4-4"	**11**-11"
5-5"	**12**-12"
6-6"	

Lead Wire Type
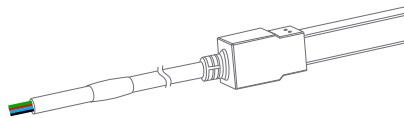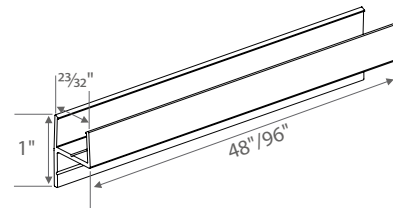
Rear Feed Lead Wire
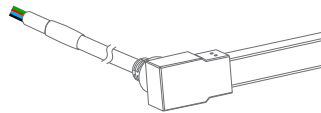
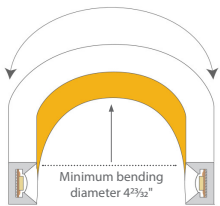Back Feed Lead Wire

Accessories

Mounting Clip
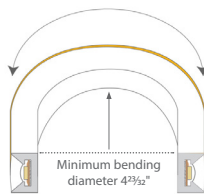GL-SWP-MCL

Clear Mounting Channel 1815
GL-SWP-MCH-1815-C-4/8
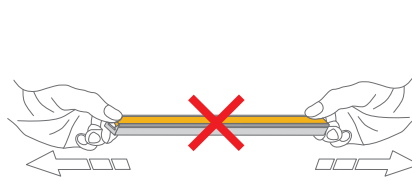
Clear Mounting Channel 1825
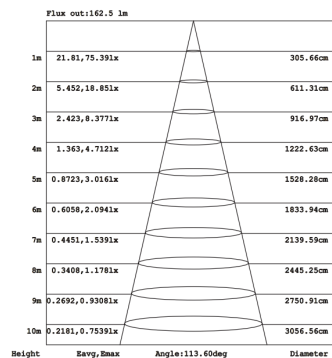GL-SWP-MCH-1825-C-4/8

Bending Options & Precautions

Minimum bending diameter 4²³⁄₃₂"

Bottom Bend

Top Bend

No Stretching

No distortion

Light Distribution

RGB

AVERAGE BEAM ANGLE(50%) :115.6 DEG

UNIT:cd

— C0/180,117.0 Ic=75.36
— C30/210,116.5 Ic=75.18
— C60/240,115.2 Ic=75.16
— C90/270,113.7 Ic=75.19

Flux out:162.5 lm

Height	Eavg,Emax	Angle:113.60deg	Diameter
1m	21.81,75.391x		305.66cm
2m	5.452,18.851x		611.31cm
3m	2.423,8.3771x		916.97cm
4m	1.363,4.7121x		1222.63cm
5m	0.8723,3.0161x		1528.28cm
6m	0.6058,2.0941x		1833.94cm
7m	0.4451,1.5391x		2139.59cm
8m	0.3408,1.1781x		2445.25cm
9m	0.2692,0.93081x		2750.91cm
10m	0.2181,0.75391x		3056.56cm

GL LED US LIGHTING reserves the right to modify this specification without prior notices.

Recommended LED Power Supply (Sold Separately)

Model No.	Output Voltage	Wattage	Dimensions (L x W x H)	Certificates
XLG-100W-24V	24V	100W	5.51x2.48x1.26in	CE, RU
XLG-150W-24V	24V	150W	7.09x2.45x1.4in	CE, RU
XLG-200W-24V	24V	200W	7.83x2.48x1.4in	CE, RU
HLG-320W-24V	24V	320W	9.9x3.5x1.7in	CE, RU
HLG-600W-24V	24V	600W	11x5.7x1.9in	CE, RU

Remote RGBW Controller

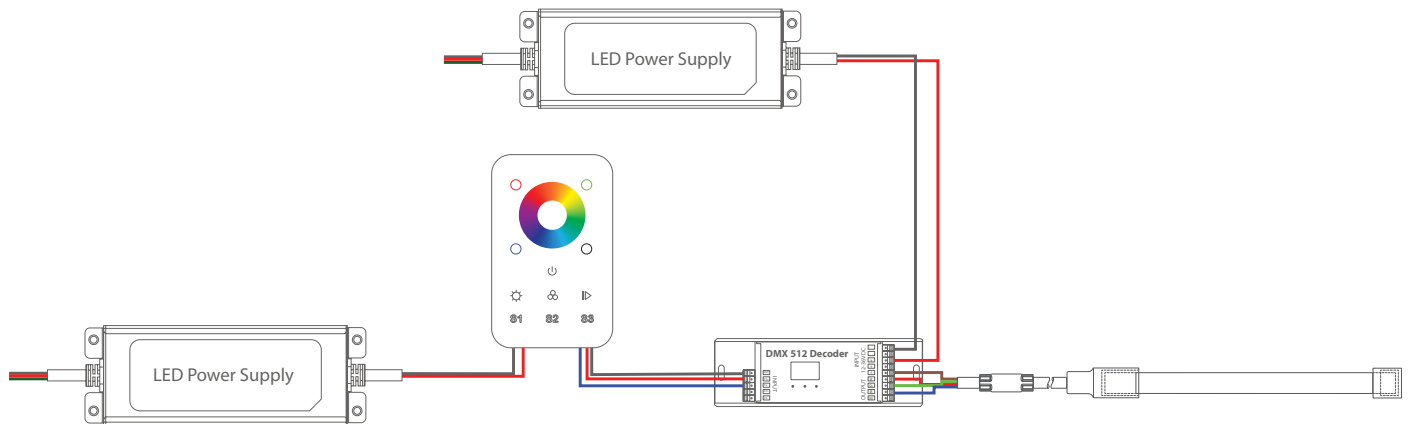LED Power Supply
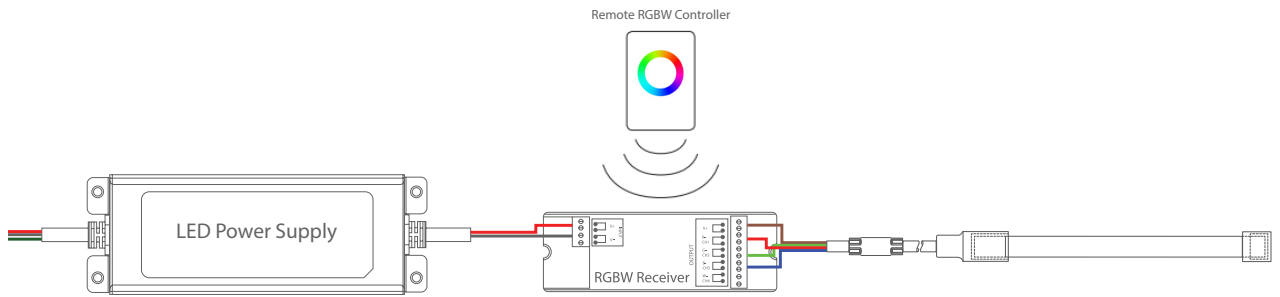
RGBW Receiver

LED Power Supply Wiring Diagram (with RGBW Receiver)

Recommended Controller (Sold Separately)

DMX RGBW Wall Mount Controller
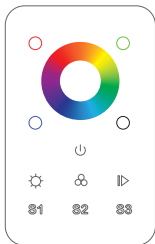
Product	Model No.	Dimensions (L x W x H)	Certificates
DMX 1Zone Controller	DMX-RGB-WM-T-1Z-W	4.7x2.9x1.1in	RU, TUV, CE, FC, ROHS
DMX 3Zone Controller	DMX-RGB-WM-T-3Z-W	4.7x2.9x1.1in	RU, TUV, CE, FC, ROHS
DMX Decoder	DMX-DEC-5A4CH	6.5x2.1x0.9in	RU, UL, TUV, CE, FC, ROHS

LED Power Supply

LED Power Supply

DMX 512 Decoder

LED Power Supply Wiring Diagram (with DMX RGBW Wall Mount Controller)

*This diagram is for references only. Please see the DMX RGB Wall Mount Controller Specification for a more accurate diagram.