

# LED Strip Light -- SAUNA Light



Designed with functionality and durability in mind, this Sauna light is ideal for use in areas of high humidity and temperatures up to 221°F. Whether you want to light up a sauna, bathroom or any other high humidity area, this product is the perfect solution.

## Features

- Designed to be used in wet and hot environments (such as shower, steam, and sauna rooms).
- High intensity of LEDs: 146 LEDs/ft (480 LEDs/m).
- Gold solder pads for improved color temperature stability and oxidation protection.
- Utilizing a large LED chip size (10mil x 20mil) and 99.99% gold wires for the LED chip-to-pin connections significantly improves the quality of the light.
- Steel plate reinforcement structure for enhanced durability.
- IP67 rating with high-temperature resistance materials (2ft silicone wires on both sides; 3M VHB GPH-060GF backing).
- Advanced 5m reel-to-reel PCB design for more uniform lighting distribution and enhanced durability.
- Each reel is 16.4ft (5m) long and 0.47 in. (12mm) wide.
- 50,000h long lifespan with 3 years limited warranty.
- UL listed.

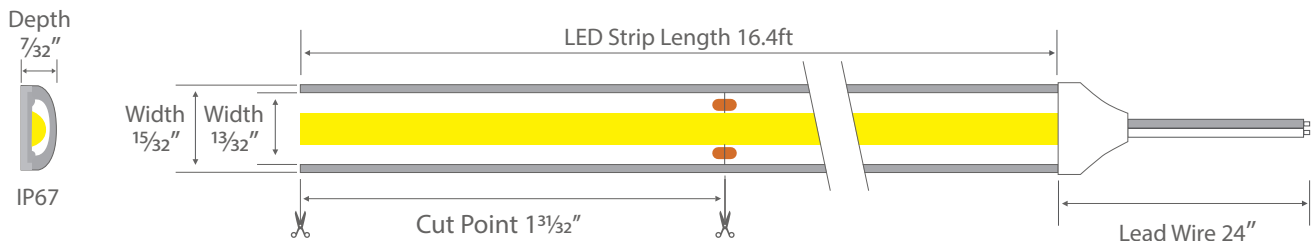


## Specification

<b>Input Voltage</b>	24VDC			
<b>Lead Wire</b>	20 AWG, 2ft (2 Wires)			
<b>Color Temperature</b>	2700K	3000K	4000K	6000K
<b>Brightness</b>	256 lm/ft	271 lm/ft	299 lm/ft	296 lm/ft
<b>Light Efficacy</b>	84 lm/W	89 lm/W	99 lm/W	98 lm/W
<b>Power Consumption</b>	3W/ft			
<b>LED Quantity</b>	146 LEDs/ft			

<b>No Voltage Drop</b>	16.4ft Max
<b>LED Chip</b>	1020
<b>FPC Copper</b>	3OZ
<b>Operating Temperature</b>	-112°F~221°F
<b>Lumen Maintenance</b>	50,000 hrs
<b>CRI</b>	90+
<b>IP Rating</b>	IP67 (Wet Location)

## Dimension



## Order Information

GL -  LED Type -  LED Quantity per Meter -  Color Temperature -  Voltage -  IP Rate

2700K  
 3000K  
 4000K  
 6000K

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

### Voltage Drop Guidance Chart

This table provides general guidelines for determining Wire Gauge based on total load and distance from LED transformer to beginning of luminaire.

#### 24V Voltage Drop & Wire Length Distance Chart (3% Drop or 23.28V)

Wire Gauge (AWG)	10W 0.42A	20W 0.83A	30W 1.3A	40W 1.7A	50W 2.1A	60W 2.5A	70W 2.9A	80W 3.3A	90W 3.75A	100W 4.2A
20	85ft	43ft	27ft	21ft	17ft	14ft	12ft	11ft	9ft	8ft
18	134ft	68ft	45ft	33ft	27ft	22ft	19ft	17ft	15ft	14ft
16	215ft	109ft	72ft	54ft	43ft	36ft	31ft	27ft	24ft	22ft

**Step 1:** Calculate Total Load: Check the power consumption of the LED light (e.g. 3W/ft). Calculate the total load of the LED light based on the light length (e.g. 10ft). The total load is 3W/ft x 10ft = 30W.

**Step 2:** Find Distance from Transformer to the Light Beginning: Check the distance between the transformer to the beginning of the light onsite. Let's assume it is 40ft. Round up to the nearest one on the table (Column 30W), which is 45ft.

**Step 3:** Choose Suitable Wire Gauge: According to the table (Column 30W & Row 45ft), it's recommended to use 18AWG or up wire between the transformer and LED light to eliminate voltage drop.

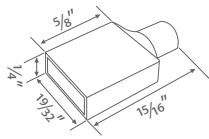
Note: This table is calculated based on the theoretical voltage drop formula. The wire quality, the LED light technology and environment conditions affect the result also. This table is only for reference.

### LED Strip Light Comparison Chart

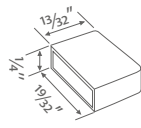
	Series	Features	Color Temperature	Input Voltage	Lumen Output	No Voltage Drop	Power	CRI
	<b>DIM TO WARM</b>	Light Efficiency 105LM/W	1800K~3000K	24VDC	Up to 462 lm/ft	16.4ft Max	4.4W/ft	97+
	<b>INFINITE</b>	Max Run 65.6ft	2700K, 3000K, 3500K, 4000K	24VDC	Up to 234 lm/ft	65.6ft Max	3W/ft	93+
	<b>ECO</b>	Cost Effective	2700K, 3000K, 4000K	12VDC	Up to 226 lm/ft	16.4ft Max	3W/ft	93+
	<b>PRO</b>	73 LEDs/ft	2700K, 3000K, 4000K	24VDC	Up to 575 lm/ft	16.4ft Max	4.4W/ft	93+
	<b>LEGEND</b>	Brightest CRI 97+	1800K, 2700K, 3000K, 4000K, 6500K, Blue, Red	24VDC	Up to 848 lm/ft	16.4ft Max	7W/ft	97+
	<b>NARROW</b>	0.2in Width	2700K, 3000K, 4000K	12VDC	Up to 339 lm/ft	16.4ft Max	3W/ft	93+
	<b>COB</b>	Seamless	2700K, 3000K, 4000K, 6500K	24VDC	Up to 416 lm/ft	16.4ft Max	4.4W/ft	90+
	<b>FOR SAUNA</b>	High temperature Resistance	2700K, 3000K, 4000K, 6000K	24VDC	Up to 287 lm/ft	16.4ft Max	3W/ft	90+
	<b>SIDE BEND</b>	Bendable & Cut Flexible	2700K, 3000K, 4000K, 6500K	12VDC	Up to 457 lm/ft	16.4ft Max	4.4W/ft	90+
	<b>SPI</b>	Light Chasing	2700K, 3000K, 4000K	12VDC	Up to 301 lm/ft	16.4ft Max	4.4W/ft	90+
	<b>FOR BREAD</b>	Fresh Bread	2500K	12VDC	Up to 200 lm/ft	16.4ft Max	4.4W/ft	N/A
	<b>FOR MEAT</b>	Fresh Meat	2900K	12VDC	Up to 200 lm/ft	16.4ft Max	4.4W/ft	N/A

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

## Accessories



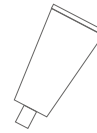
Power Feed End Cap  
GL-COB-480-IP67-PFEC



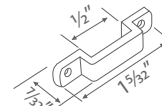
End Cap  
GL-COB-480-IP67-EC



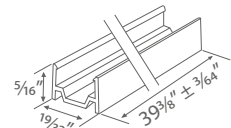
Silicone Wire  
GL-COB-PL-8



Silicone Glue  
GL-COB-480-IP67-SGL



Silicone Clip  
AS-SI-003

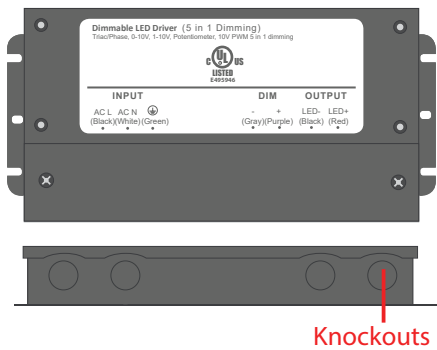


PC Channel  
GL-ES-1508-AL-3

## Recommended Transformer (Sold Separately)

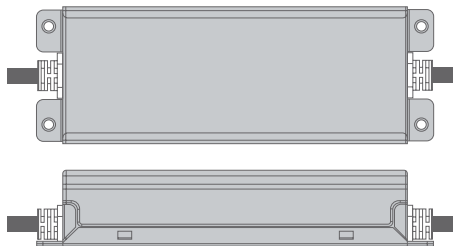
### LED Dimmable Transformer - 5 in 1 dimming

G Series

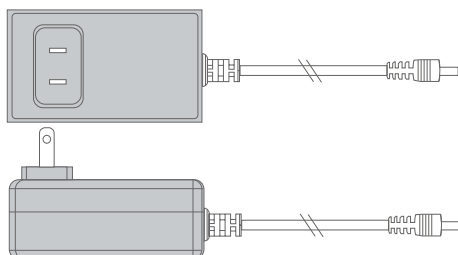


Model No.	Output Voltage	Wattage	Dimensions (L x W x H)	Certificates
G-60W-24V	24V	60W	7 <sup>13</sup> / <sub>32</sub> "x3 <sup>3</sup> / <sub>4</sub> "x1 <sup>3</sup> / <sub>16</sub> "	FCC, UL, Class 2
G-96W-24V	24V	96W	8 <sup>21</sup> / <sub>32</sub> "x3 <sup>3</sup> / <sub>4</sub> "x1 <sup>23</sup> / <sub>32</sub> "	FCC, UL, Class 2
G-150W-24V	24V	150W	10 <sup>9</sup> / <sub>32</sub> "x4 <sup>5</sup> / <sub>32</sub> "x1 <sup>15</sup> / <sub>16</sub> "	FCC, UL, Class 2
G-200W-24V	24V	200W	10 <sup>9</sup> / <sub>32</sub> "x4 <sup>5</sup> / <sub>32</sub> "x1 <sup>15</sup> / <sub>16</sub> "	FCC, UL, Class 2
G-300W-24V	24V	300W	10 <sup>9</sup> / <sub>32</sub> "x4 <sup>5</sup> / <sub>32</sub> "x1 <sup>15</sup> / <sub>16</sub> "	FCC, UL, Class 2

### LED Non-Dimmable Transformer

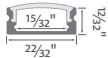


Model No.	Output Voltage	Wattage	Dimensions (L x W x H)	Certificates
APV-8W-24V	24V	8W	2.30x1.20x0.90in	CE, RU, Class 2
APV-35W-24V	24V	35W	3.30x2.20x1.20in	CE, RU, Class 2
LPV-60W-24V	24V	60W	6.40x1.70x1.30in	CE, RU, Class 2
XLG-100W-24V	24V	100W	5.50x2.50x1.25in	CE, RU
XLG-150W-24V	24V	150W	5.51x2.48x1.26in	CE, RU
XLG-200W-24V	24V	200W	7.09x2.48x1.40in	CE, RU
HLG-320W-24V	24V	320W	9.90x3.50x1.70in	CE, RU
HLG-600W-24V	24V	600W	11.00x5.70x1.90in	CE, RU

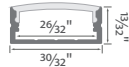


Model No.	Output Voltage	Wattage	Dimensions (L x W x H)	Certificates
YHY-36W-24V	24V	36W	3.40x1.90x1.25in	UL, FCC, CE
YHY-60W-24V	24V	60W	4.50x1.90x1.20in	UL, FCC, CE
TPZ-96W-24V	24V	96W	7.00x3.10x1.80in	UL, FCC, CE

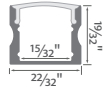
## Aluminum Channel Options (Sold Separately)



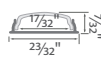
ES 1709 / YD 1205



YD 2002



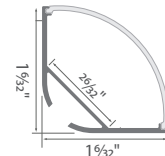
ES 1715



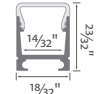
YD 1806



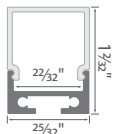
ES 1616 / YD 1002



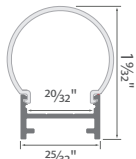
YD 2004



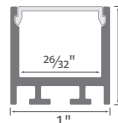
YD 1418



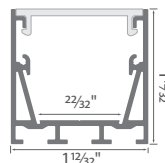
YD 1604



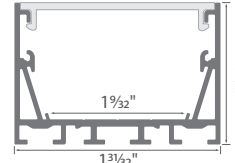
A 2033



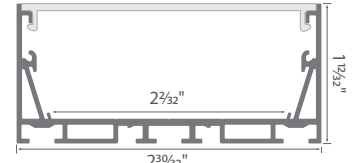
A 2525



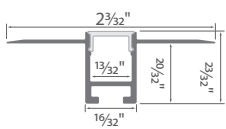
ES 3535



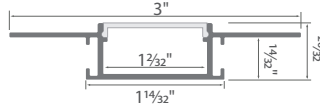
ES 5035



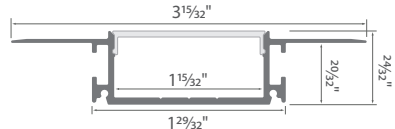
ES 7535



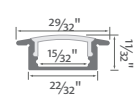
GL 079



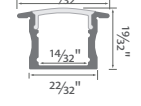
YD 7615



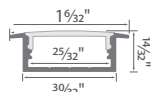
GL 081



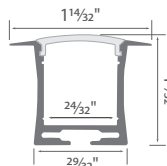
ES 2309



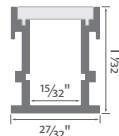
ES 2315 / YD 1201



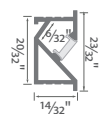
ES 3011



GL 031



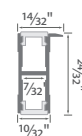
GL 034



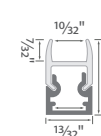
JH 1716



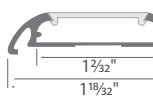
JH 1722



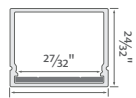
JH 1713



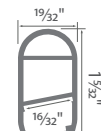
JH 1686



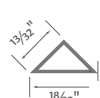
YD 2601



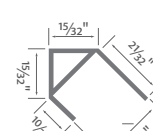
A 2319



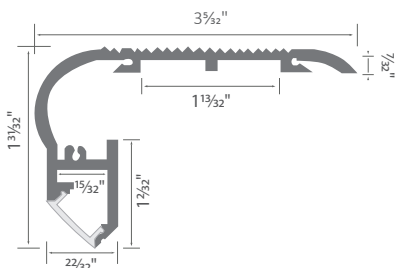
YD 1401



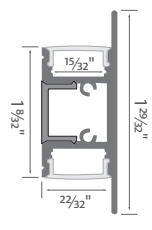
LX 1410



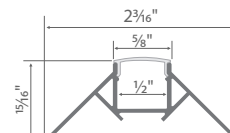
LX 1420



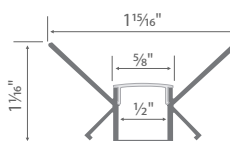
GL 024



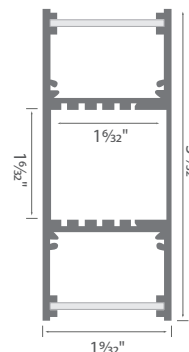
GL 050



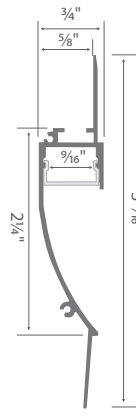
BY 5324



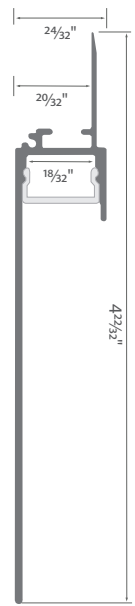
BY 5026



GL 049



BY 9819



GL 085