

COLORGLO™ LED BORDER LIGHTING

ColorGlo LED Border Lighting is a very bright, effective, safe and energy efficient alternative to conventional neon. Border Light uses less than half the energy of neon without compromising performance. Unlike neon, it is maintenance free with up to 100,000 hours of LED life and no high voltage transformers.

Product Summary

ColorGlo LED Border Lighting is a linear LED fixture for white and colored neon replacement. Its very bright output makes it ideal for where efficient, maintenance-free, neon style lighting is desired. Available LED colors are: red, amber, green, blue-green, blue and white. The standard tubing color is white with red and green as options. Light is emitted at 270° for wide coverage.

Assembly & Mounting

Border light strip fixtures are factory assembled with polycarbonate tubing, endcaps and mounting clips. Border Light LED boards, polycarbonate tubing and mounting accessories are also available as individual parts for custom installations.

Border light can be installed in lengths from under one foot up to 24 feet (7.32m) per each power run. Fixture assemblies can be joined together using accessory coupler sleeves to provide long, seamless installations. Accessories are mounted and sealed using silicone compound GE# TSE399. Border Light mounting clips to any surface using either screws, fasteners or anchors as appropriate to installation site conditions.

Power

Border Light is powered by 24VAC, with 24VDC optional.



SEAMLESS, LINEAR LED LIGHTING DESIGNED FOR WHITE AND COLORED NEON REPLACEMENT

KEY FEATURES:

- Very bright output and uses less than half the energy of neon without compromising performance
- Up to 100,000 hours of LED life and no high voltage transformers
- LED colors: red, amber, green, blue-green, blue, white

IDEAL FOR USE IN THESE ENVIRONMENTS:

- Exterior or interior signage
- Entertainment and architectural edge lighting
- Decorative light accents
- Other applications where efficient, maintenance-free, neon-style lighting is desired

FEATURES & BENEFITS

- Approximately twice the efficiency of standard neon
- Flicker free start up and operation in cold environments
- Interchangeable colors (by changing LEDs and/or tubing color options)
- Polycarbonate tubing for UV resistance and exposure to weather
- Uniformly spaced LED configuration for even and consistent output
- 270° optic angle for wide light distribution
- Easy installation and operation with no programming required
- Adaptable to multiple lighting applications
- Maintenance free lifespan up to 100,000 hours



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PRODUCT SPECIFICATIONS

Tube Material	Polycarbonate UL-94VO, UV inhibited.
LED Type	SMT Power Top
LED Current	15 – 20mA
Efficiency	1.44 – 2.88 watt/Ft.
LED per Ft.	30 InGaN / 32 AllnGap
LED Strip Length – Red, Amber	3" (76.2mm) / 12" (304.8mm)
LED Strip Length – Blue, Green, Blue Green, White	4" (101.6mm) / 12" (304.8mm)
Standard Power Source	24VAC
Recommended Power Supply	24VAC 250W
Power Cable	16 gauge stranded
PCB Flame Rating	UL 94-VO
Operating Temperature	-40°C / -40°F – 50°C / 122°F
Maintenance	No pressure, non abrasive, non caustic.
Humidity	0 – 100% Condensing NEMA 3-4 with properly sealed couplers / connectors

ACCESSORIES

Power Supplies

2240 or 601 Series Part#	Capacity Red/Amber	Capacity Blue/Green/ White	Input	Output	Circuits
C2240-24	150 ft. (45.7m)	75 ft. (22.9m)	120/240VAC	24VAC/216Watts	3 x 72Watts
C2240-24-277	150 ft. (45.7m)	75 ft. (22.9m)	277VAC	12VAC/216Watts	3 x 72Watts
601-120-24	41 ft. (12.5m)	20 ft. (6.1m)	120VAC	24VAC/60Watts	1 x 60Watts
601-208-24	41 ft. (12.5m)	20 ft. (6.1m)	208-240VAC	24VAC/60 - 100Watts	1 x 60-100Watts
601-277-24	41 ft. (12.5m)	20 ft. (6.1m)	277-480VAC	24VAC/60 - 100Watts	1 x 60-100Watts

Power Cables

1' Power (305mm) Cable with watertight end caps mounted	LLS-CA-12-BL-FM LLS-CA-12-BL-FMW
6' Power (1.83m) Cable with watertight end caps mounted	LLS-CA-72-BL-FM LLS-CA-72-BL-FMW
12' Power (3.66m) Cable with watertight end caps mounted	LLS-CA-144-BL-FM LLS-CA-144-BL-FMW
20' Power (6.10m) Cable with watertight end caps mounted	LLS-CA-240-BL-FM LLS-CA-240-BL-FMW
50' Power (15.24m) Cable with watertight end caps mounted	LLS-CA-600-BL-FM LLS-CA-600-BL-FMW

Mounting Accessories

Aluminum mounting channel	Part # Call for Part #
Mounting clip	CGSL-MC
Closed End cap	CGSL-CE
Slotted End cap	CGSL-OE
Water tight end cap	CGSL-WTE*
Tubing coupler sleeve	CGSL-COUPLER
Silicon adhesive sealer	TSE399-C100G
*Add "F" (CGSL-WTEF) for ferrule or "N" (CGSL-WTEN) for nut.	
Tubing	
8 ft. (2.44m) White	CGSL-NEON-WHITE
(Call for custom lengths - also available in Red or Green)	

BUILDING A PART NUMBER

STRIP FIXTURES

Part # LLS- (followed by these options)	Green/Blue/ Blue-Green/White	Red/Amber
- (std. fixture length*) inches	4/12/48/96	3/12/48/96
- (color code)	G/B/BG/W	R/A
- (interior or exterior)	IK/EK	IK/EK

Example: LLS-48-B-EK

48" fixture, blue, exterior use

*Custom strip fixture sizes must be special ordered. Call for pricing and delivery details.

BUILDING A PART NUMBER

INDIVIDUAL LIGHT STRIPS

LLS-BL-	[strip length]	-	[color code]
	3" or 12"		R (Red)
	3" or 12"		A (Amber)
	4" or 12"		G (Green)
	4" or 12"		BG (Blue Green)
	4" or 12"		B (Blue)
	4" or 12"		W (White)

Example: LLS-BL-12-B

12" blue strip

For pricing and additional information, consult your ColorGlo Sales Representative or Authorized Dealer (for rep/dealer contact information, call J&J Electronics at 800.735.4553)



Manufactured by: J&J Electronics • 35 Hammond, Irvine, CA 92618 USA • 800.735.4553 • 949.455.4460 • www.colorgloledlighting.com

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