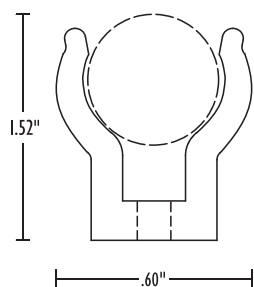


INSTALLATION GUIDE – COLORGLO™ BORDER LIGHTING

J&J ELECTRONICS, INC.

INTERIOR & EXTERIOR WET LOCATION INSTALLATION



ColorGlo Border Lighting tube shown with mounting clip

MOUNTING

ColorGlo Border Lighting may be mounted in any orientation in lengths from 3 in. (76mm) to 24 ft. (7.32m). Border Lighting is factory assembled in standard sizes. Custom sizes must be special ordered. In addition, ColorGlo Border Lighting LED boards, polycarbonate tubing, end caps and mounting clips may also be ordered as individual components.

Border Lighting is specified for interior use (unsealed end caps) or exterior use (water tight seals). For external Border Lighting, polycarbonate tubing and accessories are permanently sealed to prevent ingress of dust, water and other contaminants in normal operating conditions and environments. Water tight end caps are used to ensure that the LED lighting components and accessories are properly sealed. Coupler sleeves and end caps are permanently sealed onto the tubing using adhesive, part # GE-TSE399. The water tight end cap rubber grommet seals the cable and connector.

The Border Lighting power cable is connected and sealed in place. Accordingly, the cable length must be specified with the fixture specification.

Coupler sleeves and GE silicon adhesive are available for connecting multiple fixtures or for use with custom installations. Mounting clips hold tubing secure while allowing for 360 degree rotation. Mounting clips are recommended at 1 ft. (305mm) spacings (see Data Sheet for specification details and mounting accessory part numbers).

ELECTRICAL CONNECTION

Power is supplied to the installation using the appropriate ColorGlo UL listed power supply transformer. It should be specified in accordance to electrical requirements, length of Border Lighting to be powered, and having a housing for damp or dry conditions. ColorGlo transformers supply from 20 ft. (6.1m) to 150 ft. (45.72m) of border lighting (see data sheet for specifications/sizes of standard tube length -- depending on LED color). The power cable (part # LLS-CA-XX-BL-FMW) powers up to 24 ft. (7.62m) per each power run. (Even with 16 AWG, power runs are not recommended in lengths exceeding 50 ft./15.24m)

See ColorGlo Border Lighting data sheet and ColorGlo Power Supply Transformer data sheet for specification details.

OPERATING ENVIRONMENT

Variations in environmental conditions may cause typical expansion and contraction of polycarbonate tubing. Installation of lengths exceeding 4 ft. (1.22m) must account for these factors. Maximum ambient environment operating temperature is 50C / 122F. (Depending on conditions, there may be a variance of up to approximately one-quarter to one-half inch for each foot of section installed. For cold weather installations, leave approximately a one quarter inch gap between large lengths; the gap will not be visible with end caps installed. If these conditions may be present, contact your ColorGlo sales representative to arrange for technical support.)

CLEANING

Installed Border Lighting is maintained and cleaned with low pressure water and non-caustic, non-abrasive ph neutral cleaning compounds only.

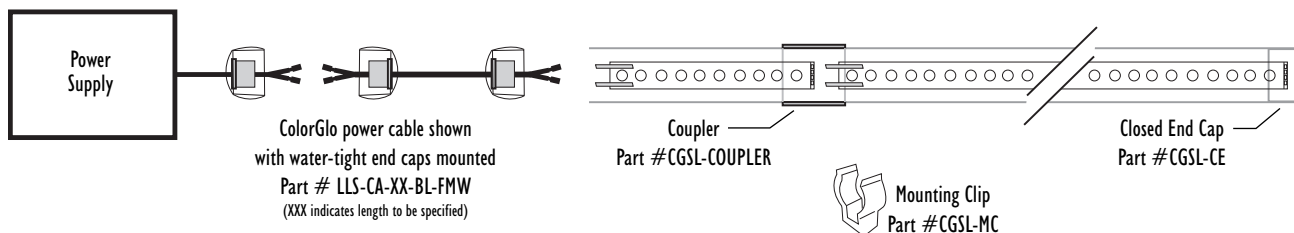
INSTALLATION NOTES:

To avoid incorrect wire gauge and power supply overloading, use ColorGlo power cable part # LLS-CA-XX-BL-FM (or FMW) only.

Ensure all quick connect connectors are properly and fully connected to reduce risk of failure or fire.

For wet location installation, use only GE adhesive - part # GE-TSE399 on all seals.

Polycarbonate tubing should not be formed or bent in the field; it is advised to use multiple short lengths to follow radial bends – building curvature, radius corners, signage and features, etc.



For additional installation requirements or details on a specific installation project, contact your ColorGlo sales representative.



ColorGlo™

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