

STANDARD ASSEMBLY



Parts are sold individually for your project's needs. Mounting anchors will vary.

BARRELS

Gyford Standoff Systems' LED StandOff barrels are high-quality USA manufactured aluminum. These barrels are machined to accommodate our specialized LED board wiring.

Stock LED barrels available in 1" diameter and lengths of 1/2", 1" and 1-1/2" and fit with any of our 1" diameter or larger caps. Custom barrels can be made up to 4" long and up to 2" diameter (Additional cost and lead time for custom parts)



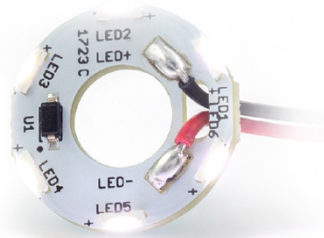
Wiring port for LED board



LED BOARDS

The LED Board has side firing diodes and installs on the stud that passes through the material. This way the LEDs fire into the material, rather than onto it.

NOTE: Always handle LED boards and wiring connections with care to avoid damage to circuitry.



LED boards are available in 4 colors: White, Red, Green & Blue



DISPLAY MATERIALS

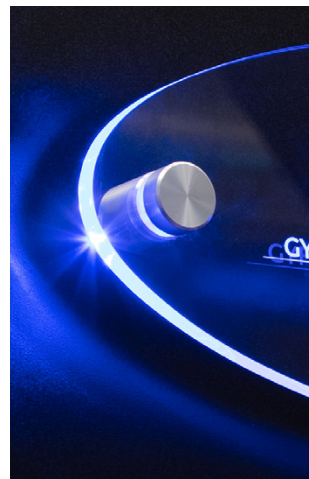


Material requires a 13/16" mounting hole. For best results, fine sand the inside of hole after drilling.

NOTE: The LED board should install easily into the hole as not to damage circuitry.

Lighting is best in clear material (glass, acrylic, etc) but will still illuminate colored substrates and decorative resins.

(Sanded edge)



Typically, laser or 'raster' engraving produces a brighter and more precise result than with a router. Crystal adhesive vinyl will pick up subtle light.

The edge of materials can be polished or sanded. Sanding provides an even glow while a polished edge will allow the light to shine and flair.

(Polished edge)

LED System Data Sheet

WIRE CONNECTIONS

The system can be connected using a variety of common wire nuts and connectors found at most hardware stores. Make sure to maintain the same polarity on all connections. Power supply is 28v @ 0.64 amp.



Butt Splice Connectors



Wire Nuts



Butt splice example



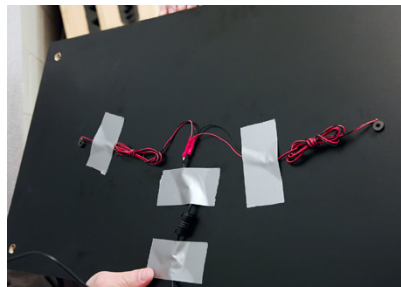
CAUTION: If you are at all unsure about completing any aspect of this or other wiring projects, consult a qualified electrical contractor to perform the service(s) for you. Always follow electrical code requirements specific to your area. Before undertaking any electrical project, contact your local electrical authority and your insurance company to ensure that you comply with all policies, warranties, regulations and authorities concerning this work.

BARREL MOUNTING

Below is an example of a simple LED system mounted using a backer panel mounted separately to an interior drywall surface.



Place the barrel to mark holes for mounting hardware and wiring. Drill 11/32" for anchoring center and 5/32" for wiring hole.



Once the LED barrels are in place, the wiring can be coiled and taped / fastened to the backer panel.

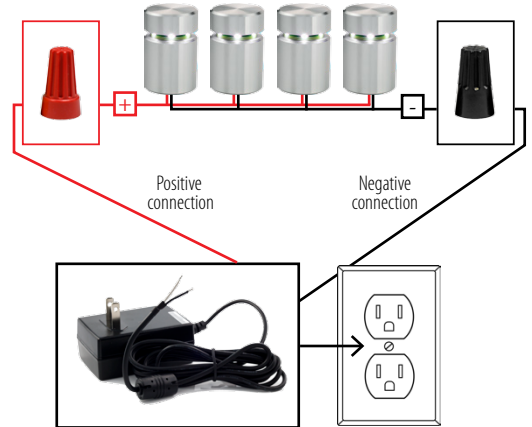


In this example, the backer panel is mounted using a standard low profile cap and barrel in the drywall.



LED Power supply wiring can be hidden on the wall using off-the-shelf wire raceways. (Black low profile caps shown here)

A basic four (4) LED StandOff configuration.



Up to a sixteen (16) LED StandOff configuration using a single power supply. (60' max wiring distance) Any amount greater than 16 total LEDs requires an additional power supply.

