

## **STAR CEILING APPLICATION**

Star Ceiling Application for fibers in new drywall:

Have drywall sections for the ceiling delivered in the room. Have the drywall sheets installed in ceiling with cuts – then removed. Mark each of the pieces of drywall like a puzzle so they will know where each piece will return.

Once design and number of fibers per panel is determined Cut a fiber cable to run from panel to illuminator location and add 5ft. There may be 1, 2 or 3 cables per panel.

Mark design on the back of each panel. Mark single fibers with a dot, mark double fibers with an X, mark triple fibers with a circle. There should only be a couple of the triples in each panel. Drill back to front with a 1/32” drill bit. This should avoid the front from getting any flawed drywall spots.

Open up the fiber cable approx. 10ft. and fill the marked holes with one, two or three fibers. Pull through and let 3 to 4 ft. hang down underneath in the room. Don't install fibers 1.5” from the edges so taping process won't cover the fibers. Dab a dot of clear silicone over the filled hole to lock in the fibers.

After all the panels are filled with fibers, coil the fiber cables on top of each panel. Wait until the installer is ready to reset each of the panels. Start with the farthest panel away from the illuminator. As the panel is being installed take the fiber cable and run it back to the illuminator location. Once all the panels are installed and all the cables are ran back to the illuminator, put the fibers in bunches of ponytails so the tape and texture crews can work around them easier.

After all the taping, texture is done, paint can cover the fibers hanging down. After paint is completed the fibers can be cut with a snipers or nail trimmer.

Randomly cut the tips 1/8", 1/4" 3/8" from the ceiling.

Install the illuminator on a wall or shelf where it will get proper ventilation. Cut the fiber lengths at the illuminator with a 12" service loop. Remove 8" of jacket off each end of the fiber cable. Bundle fibers only in the port fitting for the illuminator. Leave 2" of fiber without jacket exposed. This will allow heat to escape and leave the fiber tip cooler. Cut the fiber at the end of the port fitting. Make sure it is with a hot knife. Hold the hot knife at a 25degree angle so you cut the fiber tips only without melting the already cut fibers. Plug into illuminator and check all fibers for twinkling. If using a FL-5100B illuminator there will be a twinkle speed you can adjust as needed. Top small black button.

Call 602-273-7552 if you have any questions on this installation.