

# NightLights™

## Plug 'n Play Fiber Optic Ceiling System

CDGi's NightLights™ system is an easy and inexpensive solution for fiber optic ceilings that allows a quick and hassle free installation. The system is extremely user friendly and fast, producing a very realistic effect.



The CDGi NightLights™ system uses the 24" square panels shown below to create the fiber optic ceiling. The fiber optics are pre-mounted and pre-wired. Just snap them to the ceiling, plug in, and enjoy.



Custom Theater Interior & Seating by **Cinema Design Group, Int'l**  
Custom Audio & Video by **Gramophone**  
[www.gramophone.com](http://www.gramophone.com)

- ★ Fast, easy installation
- ★ Beautiful star ceiling effect
- ★ Extremely cost-effective

## Features & Benefits

- Star density from 3 - 7 stars per Sq Ft.
- NRC acoustic rating of .80.
- Estimated lifetime is over 40,000 hours.
- Class A fire rating.
- Fabric color options available, however, only black is kept in stock.
- Tiles can be trimmed to fit around irregular shapes and extra space.
- Twinkle and/or shooting star options are available.

## Planning

- Calculate and compare the area of the room.

**EXAMPLE** Area of 13' x 15' room (195 Sq ft.) which requires a black flush-mount tile with 3 stars per square foot.

- Divide the room area by 4 to determine the number of tiles required.

**EXAMPLE**  $195/4 = 48.75$  tiles.  
Round up and add 5% for waste and mistakes.  
 $48.75$  tiles rounds up to 49 tiles. Add 5% = 2.45 tiles, which comes to 3 extra tiles.



## Installation

- Install a switched outlet above the finished height of the suspended ceiling. The location of the outlet should be within three feet of where the first tile will be installed.
- If you're mounting tiles in a room with an existing ceiling, use the supplied hangers to mount the panel to the existing ceiling.
- Once the first tile is in place, install the next tile, plugging the cord hanging from the previously installed tile into the next tile. Rotate the tile 90 degrees from the first tile; this will insure the star pattern remains random.
- When you get to the end of a row, you may be required to cut a tile to fit. Simply remove the fibers from the affected area and cut the tile to size. Leave the extra fibers loose in the ceiling.
- Using this system, you can install a high quality star field in the same time it takes to hang a ceiling, without any extra measuring, cutting, drilling, taping, gluing, routing, or crawling.

# Ceiling Larger than 600 Sq ft.



Not a problem for this engineered system.

When planning the electrical, make sure to run a dual switched outlet to the ceiling. Connect the first 150 tiles as mentioned in the installation overview.

Plug a second transformer into the second outlet with an extension cord and continue installing tiles, up to 600 additional sq ft. (150 additional tiles).