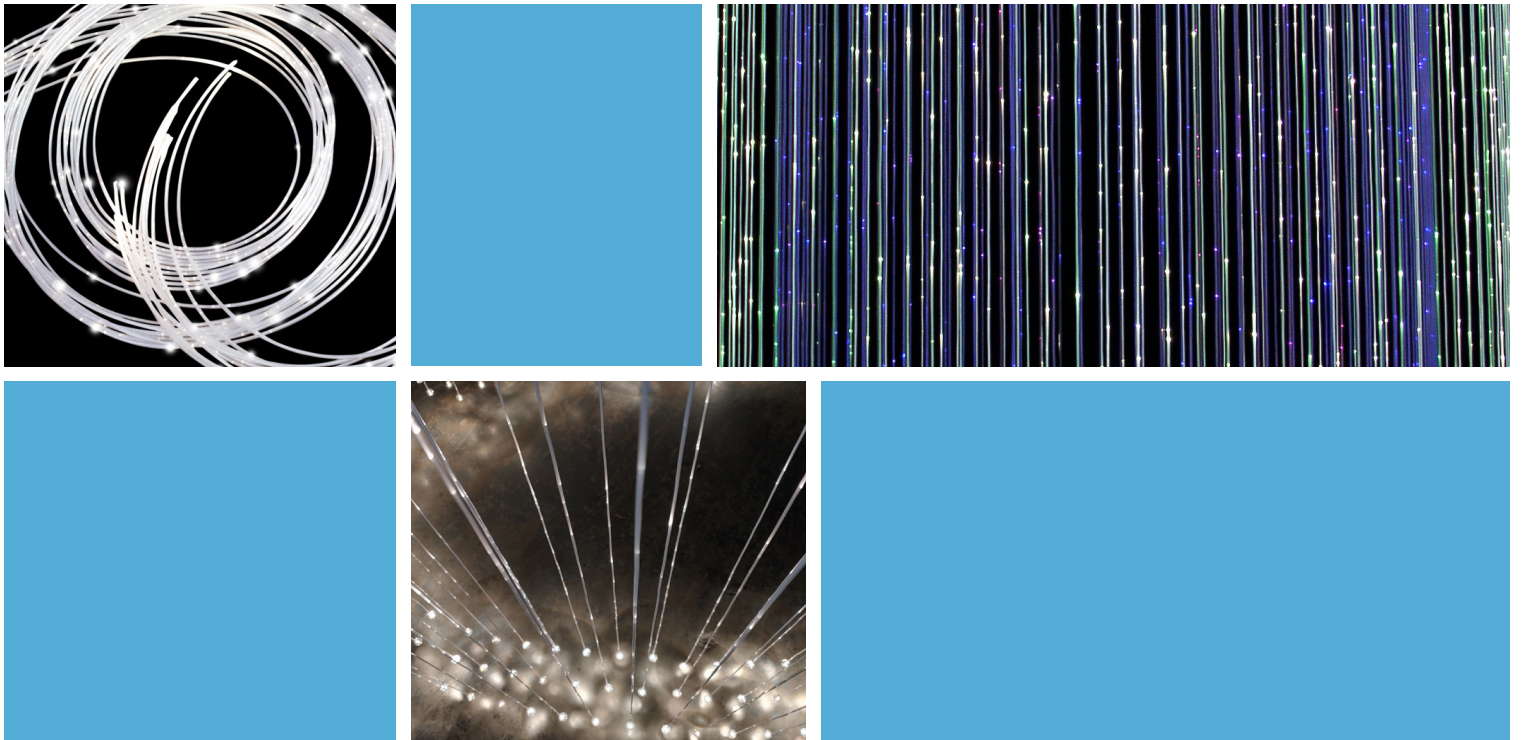


SPARKLE SERIES

Glass Side Light Fiber



- Clear jacket to protect fibers
- Fiber "nicked" along length to produce sparkle effect
- Factory cutting and termination required

Sparkle Series - Glass Side Light Fiber

Specifications

CAT. NO. F - SP - SL - GL - 2



of Fibers: 420
Size of Fibers: 50 μm
Outer Diameter: 2.2mm (0.087")
Bend Radius: 5.0mm (0.20")
Jacket Type: PVC
Weight Per Foot: 1.8g (.06 oz.)
Operating Temp.: -20°C to +80°C

Description:

2mm Sparkle Series glass side light fiber with 2.2mm active diameter and a clear PVC jacket; includes 420 - 50μm fibers; emits light through randomly placed "nicked" points along entire length; for indoor use only.

Max Tails 9mm: 75

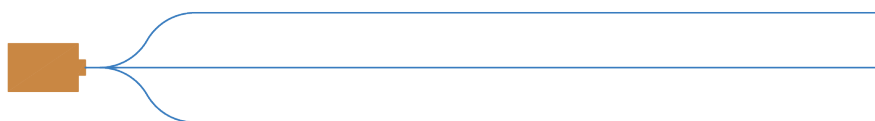
Max Tails 28mm: 468



Starfield Fiber Application Notes

1. Sparkle Fiber must be factory terminated using RCP harnessing, which includes randomizing of the fibers in the harness adapter to produce uniform light output from all fibers. See harnessing information in the catalog for further details.
2. The recommended maximum length for Sparkle Fiber is 65' when used with most illuminators. (Refer to Figure 1.)
3. When calculating fiber lengths, allow for an extra two foot service loop of cable per fiber run. This service loop will allow for slight changes in illuminator location or orientation, and also allows the cable to be re-harnessed in the future, if required.
4. Straight, uninterrupted fiber runs are best for optimum light output. The minimum bending radius for Sparkle Fiber is 5.0mm (0.20"), but larger bends are recommended if the application permits.
5. Sparkle Fiber is most effective in environments with low ambient light levels.
6. When planning your application, include enough illuminators to accommodate all desired fiber tails. To increase the total light output, use no more than 50% of the "Max Tails" capacity listed in the individual product details.
7. Fiber exiting the illuminator must remain straight for a minimum of 12" to avoid significantly reduced light transmission. (Refer to Figure 2.)
8. Fiber optic cable is not plenum rated. Please consult local codes to determine installation requirements, which may include routing of all fibers through metal conduit.
9. Sparkle Fiber is suitable for use in UV-free damp or wet environments; exposure to sunlight will result in yellowing of the clear PVC jacket.
10. Sparkle Fiber products intended for use in damp or wet environments must be sealed to prevent wicking of water into the fiber. The open ends will be sealed by dipping in 5-minute epoxy. If fiber tails are cut in the field, the ends must be sealed on site by dipping in 5-minute epoxy.
11. Please specify if your application is to be used in a damp or wet environment.

FIGURE 1. Fiber Lengths in Double-Ended / Looped Configuration



	42 watt LED	20 watt LED
Sparkle	65'	50'