



Cut Sheet #4083

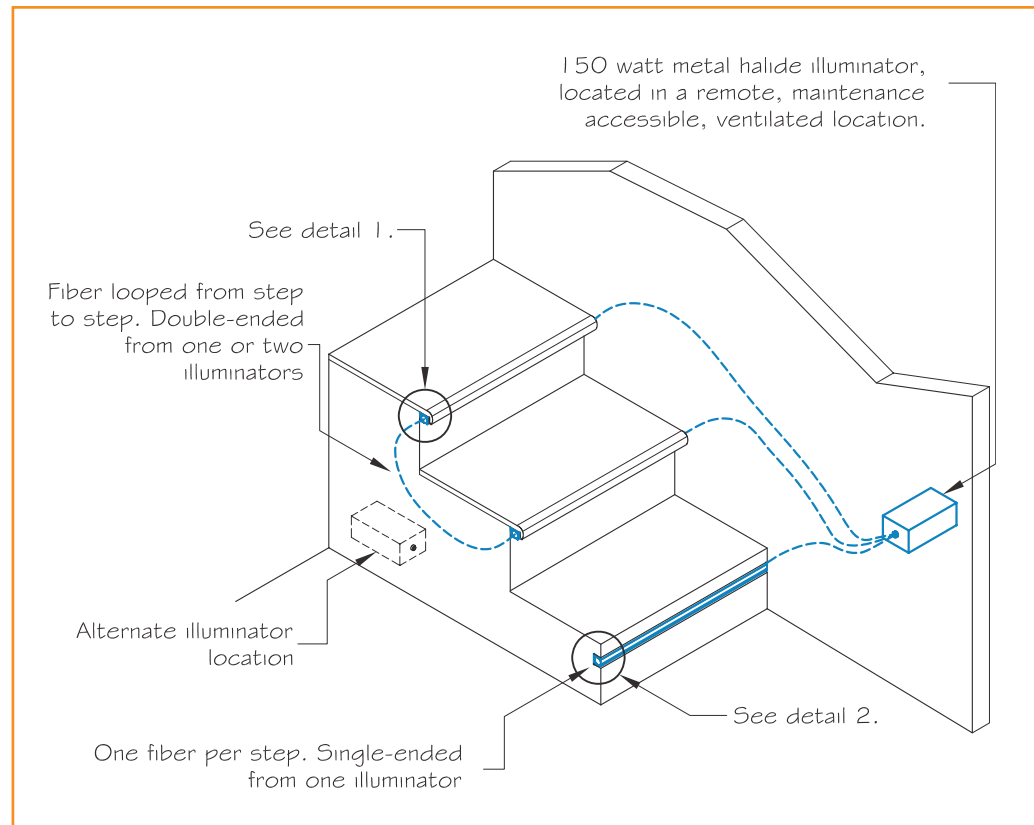
step Lights

TYPICAL APPLICATION MATERIALS

ILLUMINATOR:
LGE150

FIBER OPTIC CABLE:
F-DL-DSL-LC-6015
(under stair bullnose)
F-SFC-SL-LC-14
(in stair riser)

TERMINATION METHOD:
DIY Harnessing
(large core)



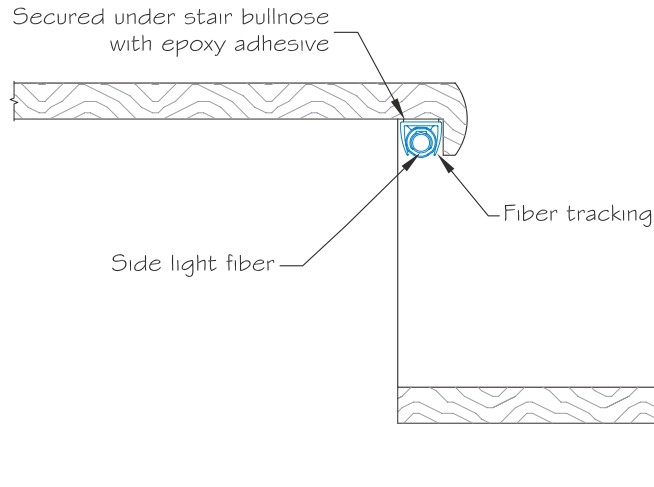
DESIGN CONSIDERATIONS

1. Light output should be subtle; fiber optic cables can be mounted to each step, but no further apart than every other step.
2. Fiber can be looped from step to step or can be single-ended with one fiber run per step.
3. Typically, Diamond Line provides the best illumination for under bullnose applications, while Sta-Flex FC is best for stair riser applications.
4. Fiber optic cable mounted under the stair bullnose should be small enough to be hidden from view but large enough to cast the desired amount of light. Fiber optic cable mounted in the stair riser should be sized to suit the aesthetic of the application.
5. For under water applications specify fibers with the WR designation at the end of the part number.
6. Refer to the fiber cut sheets for recommended maximum cable lengths. Maximum lengths may vary depending on cable size, illuminator type, and termination configuration.
7. When calculating fiber lengths, be sure to include both the horizontal and vertical distances of the stairs, the length of fiber required to reach the illuminators, and an extra one foot service loop of cable per illuminator connection. 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.

INSTALLATION CONSIDERATIONS

1. Refer to the fiber cut sheets for recommended minimum fiber bend radius. Loose radial bends produce the best results. Feed fiber straight into steps to avoid a bright spot at the cable entry point.
2. For best results in single-ended applications, keep all fiber lengths approximately the same. Use Mirrored or White End Seals at the end of each fiber, hiding the ends of the fibers in architectural details to avoid bright spots.
3. For looped applications, light loss is compounded with multiple bends. Be sure to loop the fiber end back to an illuminator after approximately 4 – 6 bends.

Section Detail 1. Bullnose



Section Detail 2. Stair Riser

