



exterior step lights

Cut Sheet #7103

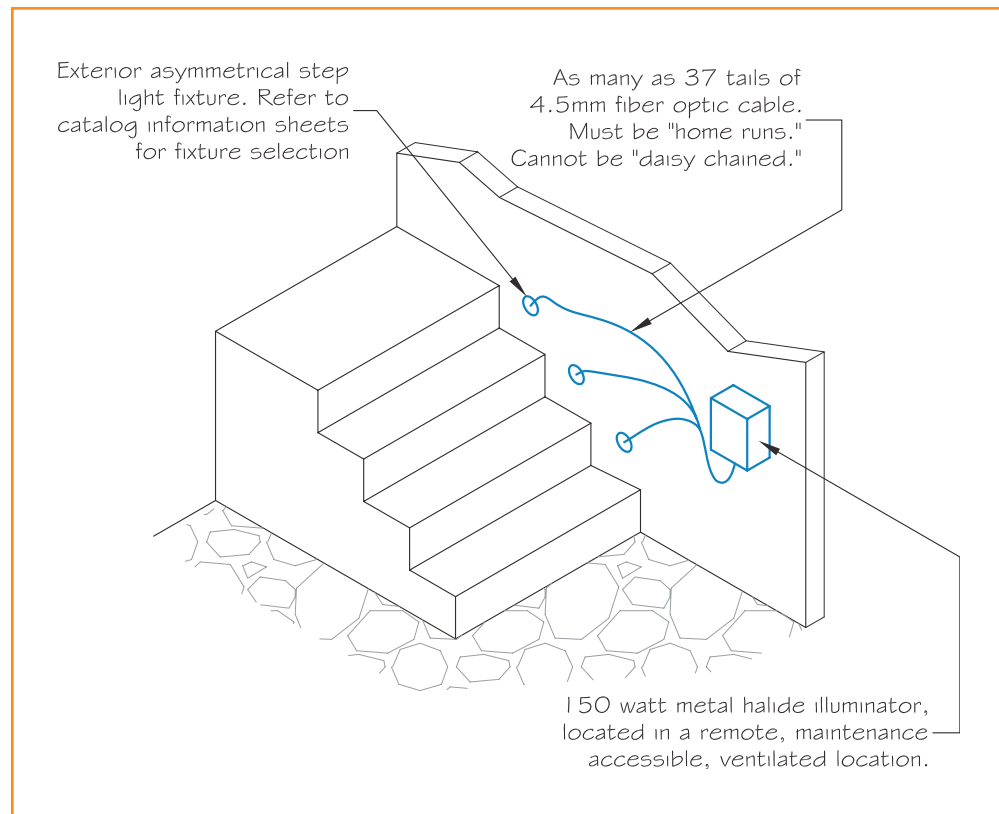
TYPICAL APPLICATION MATERIALS

ILLUMINATOR:
LGS150 Wet Location
(28mm Fiber Port)

FIBER OPTIC CABLE:
F-MF-EL-PM-3
(14 strands 0.75mm PMMA)

TERMINATION METHOD:
RCP Harnessing

SUGGESTED FIXTURES:
Sirius Series
(asymmetrical, stair riser)



DESIGN CONSIDERATIONS

1. Light output should be subtle; fixtures can be spaced at each step, but no further apart than every other step.
2. Asymmetrical fixtures on side walls should be mounted from 4.5" to 6" above the stair tread, depending on personal preference.
3. Metal Halide Illuminator features:
 - Lamp requires a 3 minute start-up period with a 5 minute cool down time before re-strike.
 - Lamp can be doused using an optional color wheel with neutral density filters. This can be controlled via an integral switch or an external DMX controller.
 - 4,200°K Color Temperature blends well with fluorescent and metal halide sources but may require color correction in a warmer, lower color temperature environment. Refer to accessory section of catalog for information regarding CTO filters.
 - Philips MasterColor Lamp with 6,000 hour lamp life.
4. Although shorter fiber optic cable runs are desirable to avoid light loss, the most important design consideration is uniformity of length. To ensure that all fixtures will have identical light output, use all same length fiber runs. Alternatively, a 3:2 ratio

(longest run is no more than 50% longer than the shortest run) produces a generally acceptable light variance.

5. 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.
6. Consult Table 1 to determine maximum number of fixtures (fiber runs) per illuminator.

INSTALLATION CONSIDERATIONS

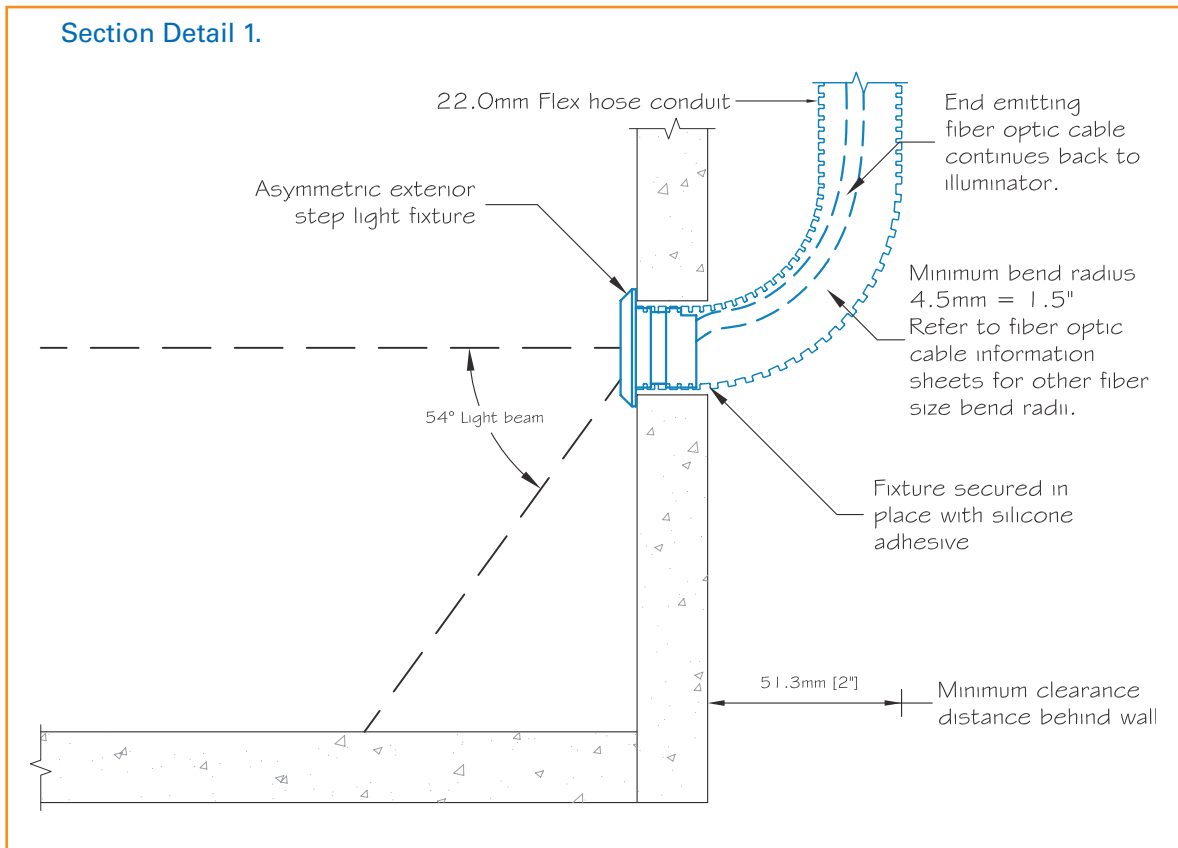
1. Refer to the fiber cut sheets for recommended minimum fiber bend radius. Add this length to the fixture depth to determine the minimum clearance distance within walls. Refer to Section Detail 1 for example.
2. Fixture installation must follow factory recommendations to achieve appropriate water resistance and to adhere to stated IP rating.

APPLICATION

Table 1. Maximum # of Fixtures per Illuminator

		FIBER SIZE			
FIXTURETYPE		2.0mm	3.0mm*	4.5mm	6.0mm
	31mm Asymmetrical		142	71*	37
50mm Crescent		142	71	37	20

*Denotes recommended configuration



NOTES:
