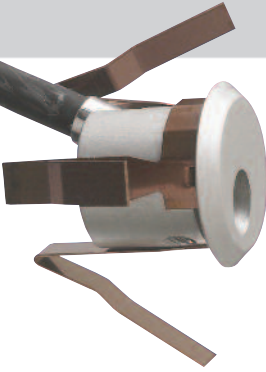




INTERIOR step Lights

Cut Sheet #6133



TYPICAL APPLICATION MATERIALS

ILLUMINATOR:

LGB75H-3-28 (28mm Fiber Port)

FIBER OPTIC CABLE:

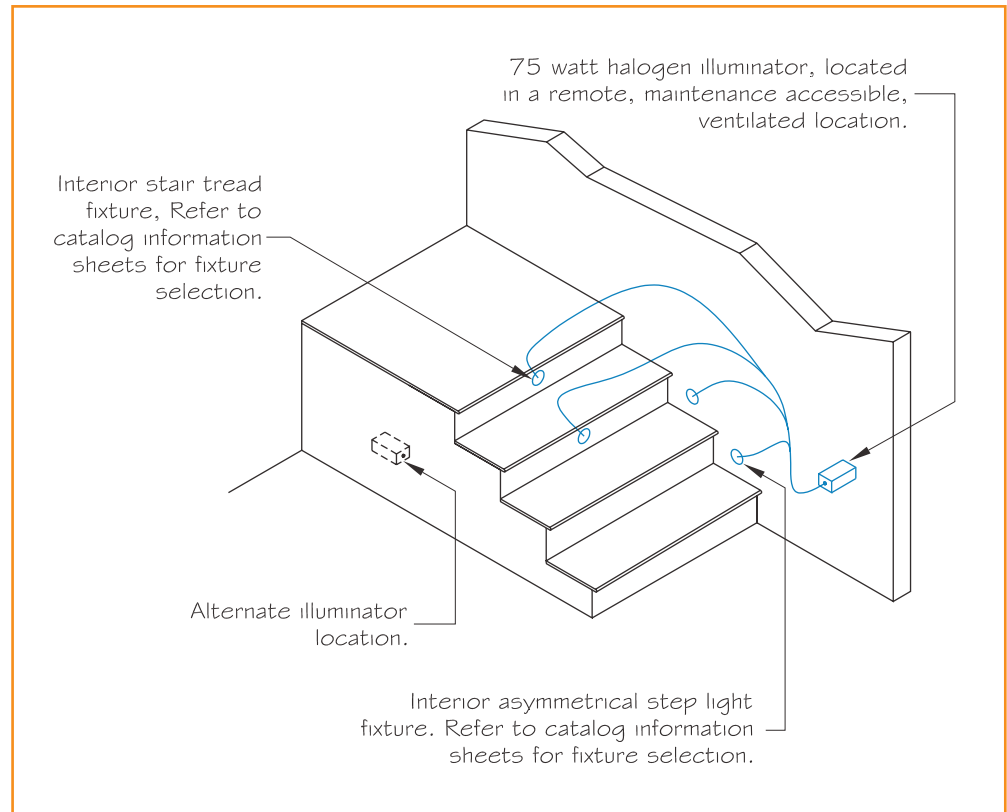
F-MF-EL-PM-3
(14 strands 0.75mm PMMA)

TERMINATION METHOD:

RCP Harnessing

SUGGESTED FIXTURES:

Nassau Series
(asymmetrical, stair riser)



DESIGN CONSIDERATIONS

- Light output should be subtle; fixtures can be spaced at each step, but no further apart than every other step.
- Asymmetrical fixtures on side walls should be mounted from 4.5" to 6" above the stair tread, depending on personal preference. Stair Riser fixtures should be mounted near the center of the stair riser.
- Halogen Illuminator features:
 - Lamp can be turned on and off repeatedly with no cool down time before re-strike.
 - Lamp can be dimmed (optional) using a standard wall dimmer for low voltage loads.
 - 3,000°K Color Temperature blends well with incandescent sources but may need to be color corrected in a higher color temperature environment.
 - 4,000 – 6,000 hour lamp life.
- 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.
- 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.
- Consult Table 1 to determine maximum number of fixtures (fiber runs) per illuminator.

INSTALLATION CONSIDERATIONS

- 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 or behind stairs. Refer to Section Detail 1 for example.
- Fiber optic cable is not plenum rated and may require in-conduit installation. Please consult local codes to determine installation requirements.

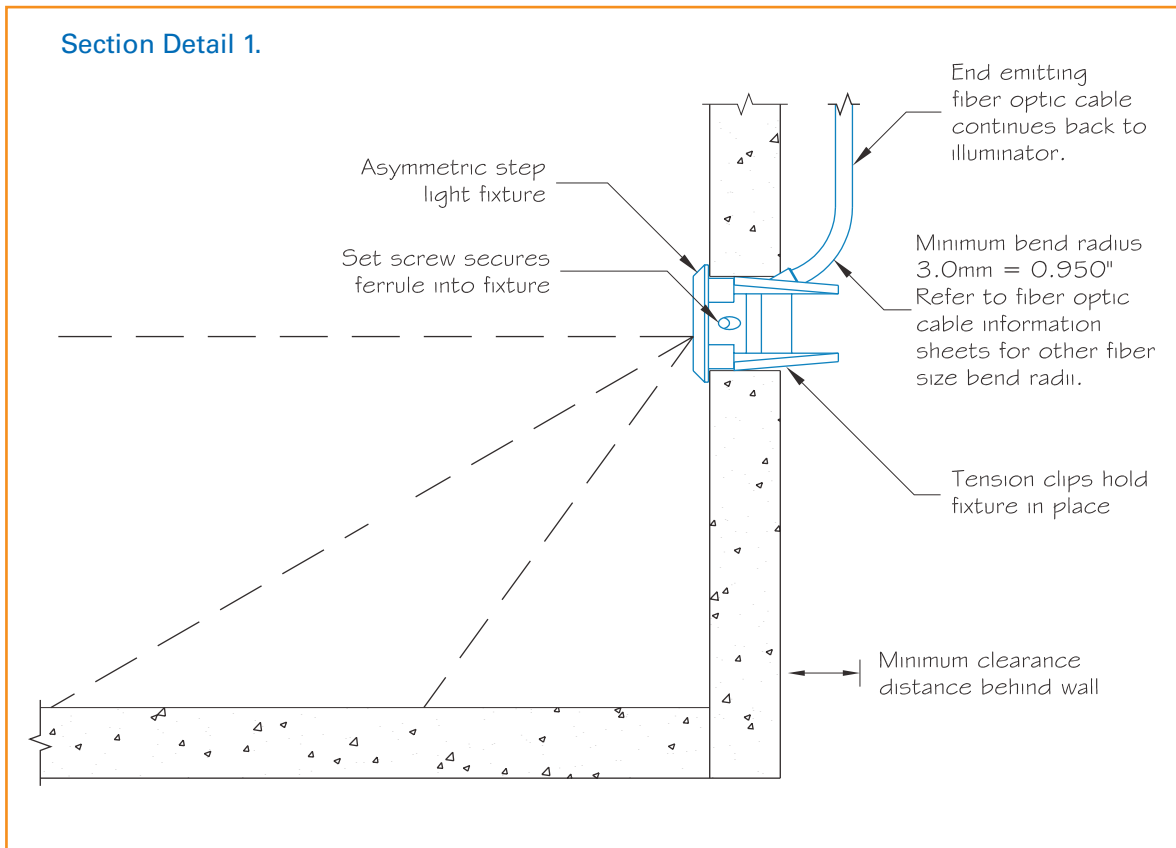
APPLICATION



Table 1. Maximum # of Fixtures per Illuminator

		FIBER SIZE			
		2.0mm	3mm	4.5mm	6.0mm
FIXTURETYPE	21mm Asymmetrical	142	71*	N/A	N/A
	31mm Asymmetrical	142	71	37	N/A
	Stair Riser	142	71*	37	20
	50mm Crescent	142	71	37	20

*Denotes recommended configuration



NOTES:
