



HALOGEN DOWN LIGHTS

Cut Sheet #6123

TYPICAL APPLICATION MATERIALS

ILLUMINATOR:

LGB75H-3-9 (9mm Fiber Port)

FIBER OPTIC CABLE:

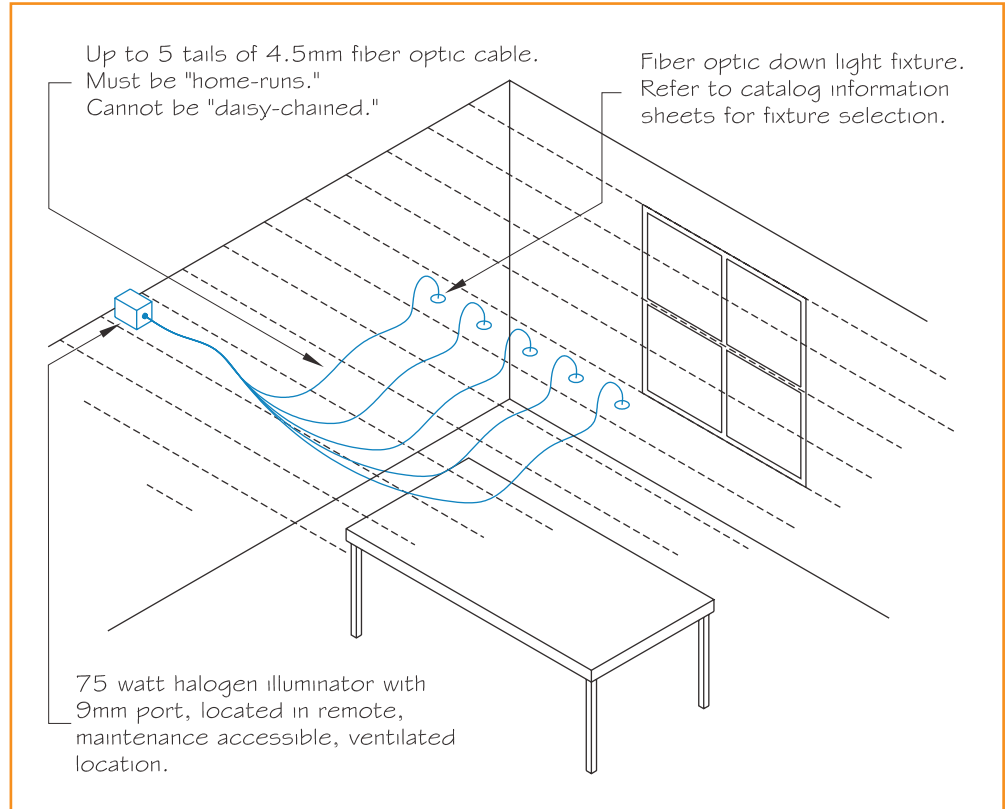
F-MF-EL-PM-4.5
(27 strands 0.75mm PMMA)

TERMINATION METHOD:

RCP Harnessing

SUGGESTED FIXTURES:

Dolphin Series
(recessed, adjustable)
Outrigger Series (recessed, fixed)
Monterey Series
(surface, adjustable)



DESIGN CONSIDERATIONS

1. Due to the narrower beam spread, fixtures should be spaced closer together and closer to walls than with traditional down lights.
2. Some fixtures may have an adjustable beam spread. Use included ferrule spacers to set desired beam angle.
3. 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.
 - 3000°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
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 height to determine minimum clearance distance above ceiling. Refer to Section Detail 1 for example.
2. Fiber optic cable is not plenum rated and may require in-conduit installation. Please consult local codes to determine installation requirements.

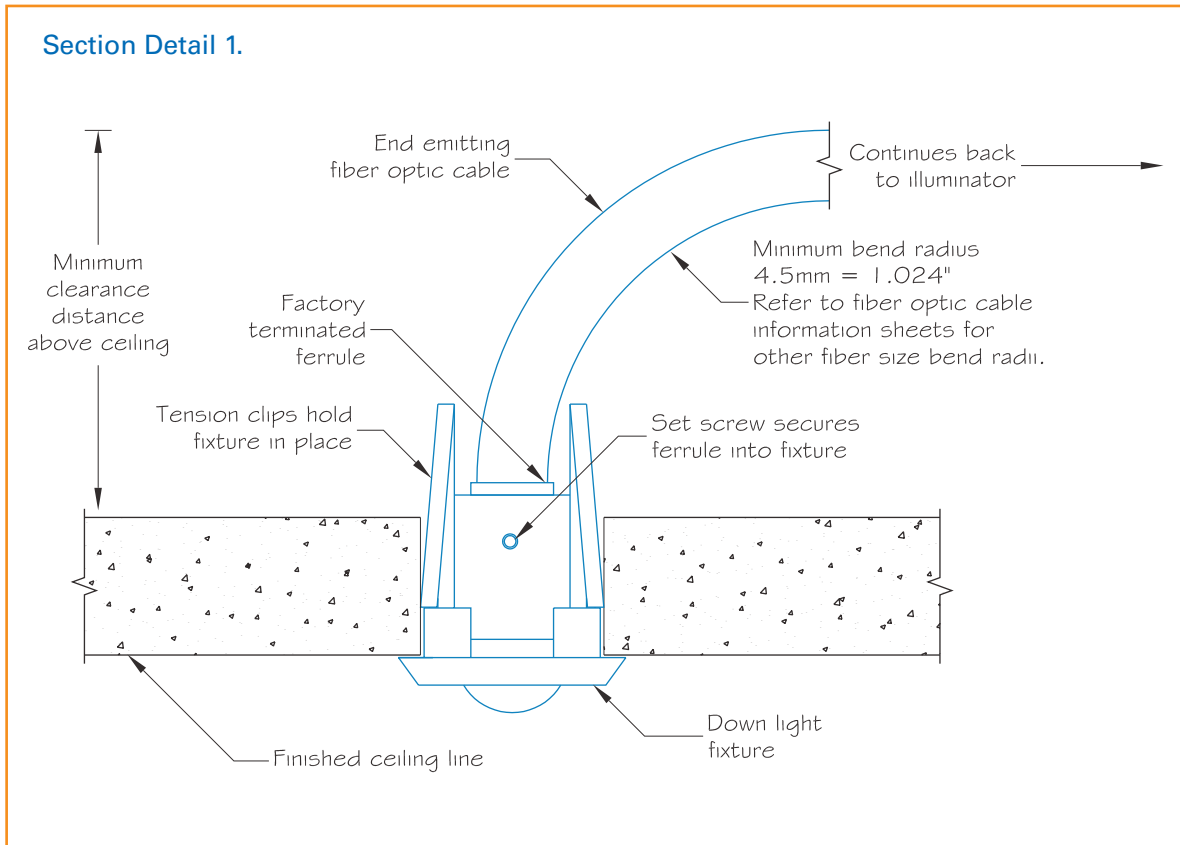
APPLICATION



Table 1. Maximum # of Fixtures per Illuminator

FIBER SIZE					
FIXTURE TYPE	3.0mm	4.5mm*	6.0mm	8.0mm	10.0mm
	Dolphin Series	10	5*	2	1†
Outrigger Series	10	5*	2	N/A	N/A
Monterey Series	10	5*	N/A	N/A	N/A

*Denotes recommended configuration
 †Available for 26mm MAX fittings only



NOTES:
