



## metal halide DOWN LIGHTS

Cut Sheet #6113

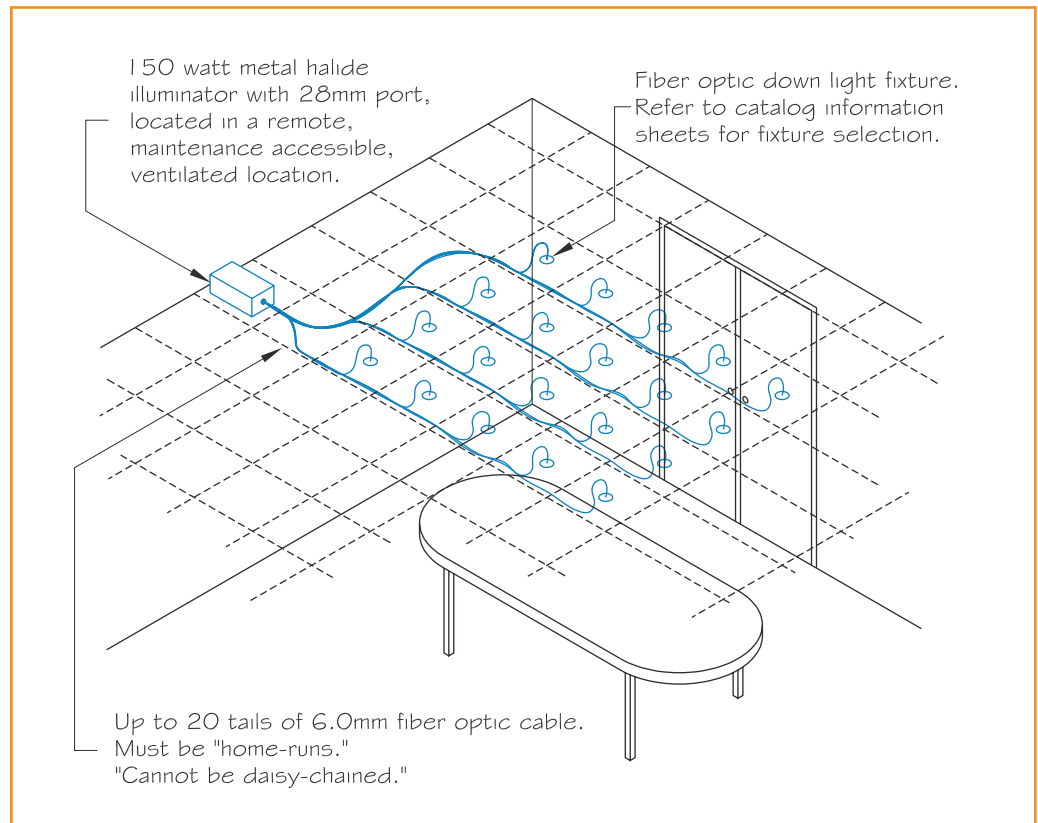
### TYPICAL APPLICATION MATERIALS

**ILLUMINATOR:**  
LGS150 (28mm Fiber Port)

**FIBER OPTIC CABLE:**  
F-MF-EL-PM-6  
(50 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. 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 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.

Table 1. Maximum # of Fixtures per Illuminator

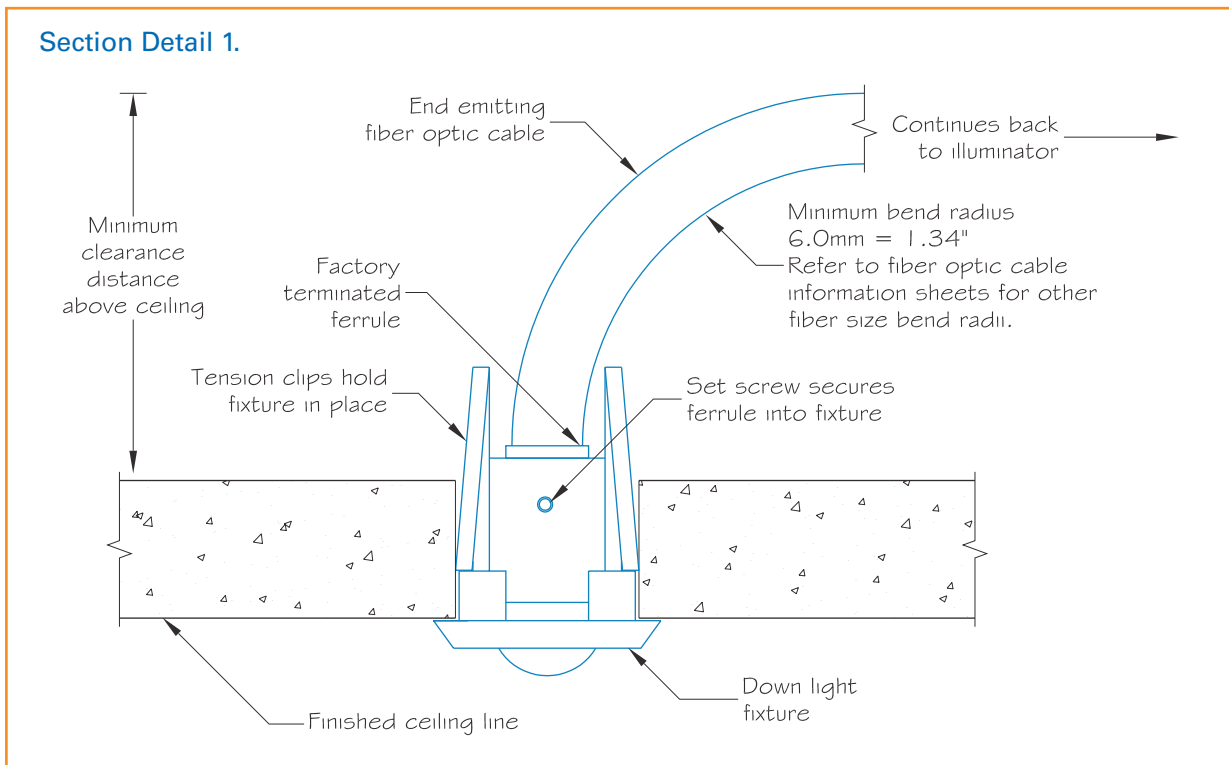
FIBER SIZE				
FIXTURE TYPE	4.5mm	6.0mm*	8.0mm	10.0mm
Dolphin Series	37	20*	13 <sup>†</sup>	8 <sup>†</sup>
Outrigger Series	37	20*	N/A	N/A
Monterey Series	37*	N/A	N/A	N/A

\*Denotes recommended configuration

<sup>†</sup>Available for 26mm MAX fittings only



Section Detail 1.



NOTES:

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