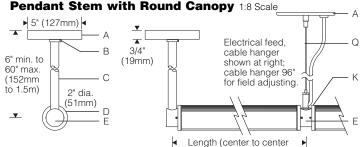
Optical Assembly Pendant Stem

1:2 Scale F G G 6° min. to 60° max. (152mm to 1.5m)



LENGTHS

25-11/32" (644mm)

37-11/32" (949mm)

49-1/16" (1246mm)

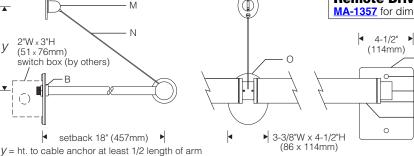
61-1/16" (1551mm)

73-1/16" (1856mm)

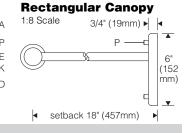
85-1/16" (2161mm)

97-1/16" (2465mm)

Cantilever with Cable Tieback 1:8 Scale







Specifications

- A Aluminum canopy
- **B** Slip ring
- C Tubular aluminum stem
- **D** Optical assembly
- E Aluminum hub (1.5" dia. x 1" wide)
- **F** Extruded aluminum heat sink/housing
- **G** Impact-resistant extruded lens
- **H** Holographic diffuser

of hangers, see chart)

- J Field serviceable light engine with **fraqtir**™ asymmetric optic
- **K** Aluminum decorative end plate
- L Aluminum anchor plate
- M Adjustable cable glider
- **N** 1/16" dia. 7x7 cable
- Aluminum cover plateChrome cap nuts
- Q Cable hanger

Optic Assembly:

Two-piece extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Removable interior extrusion treated to maximize thermal conductivity. Precision formed asymmetric optical light bar of high temperature, waterclear acrylic. Extruded impact resistant, high temperature, carylic outer protective lens. Elliptical distribution holographic diffuser captured within outer protective lens; maximizes lateral distribution without disturbing asymmetric forward throw.

Finish:

Extruded aluminum heat sink/housing bright anodized, white or black finish. Formed aluminum canopy, adjustable back bracket, end plates finished white, black or anodized.

Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish.

All hardware - stainless steel or nickel plated brass.

Mounting:

Required pendant or cantilever mounting hangers — ordered and priced separately; see pg. SW12.1. Specify end and

intermediate hangers. Cantilever with rectangular wall plate mounts over recessed outlet box (suitable backing structure required). Adjustable interface plate (concealed under canopy) allows for leveling of arms. Cantilever with oval wall plate mounts over 2" x 3" recessed switch box, cable tieback provided.

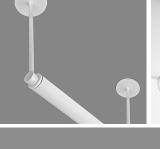
Fixture weight: 1.2 lb/ft (1.8 kg/m).

Electrical:

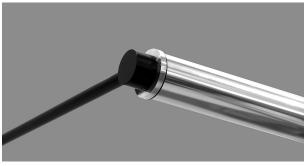
Units are furnished with 10 foot (2438mm) leads for connection to remote driver Class II output. Remote electronic HPF thermally protected Class II driver mounted in aluminum enclosure. For complete driver specifications, see website, reference document MA-1303. Optional electronic dimming driver; compatible dimming controls (by others). See website for dimming compatibility and specifications.

Standard:

UL listed or CSA certified for dry locations. 5 year warranty, maximum ambient temperature 45°C (113°F).







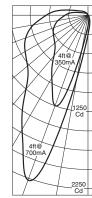
Features

- fraqtir technology precise asymmetric optical control
- Wide distribution great vertical and lateral uniformity
- Adjustable and lockable aiming
- Serviceability removable light engine

Performance

fraqtir technology uses a combination of refraction and total internal reflection, creating a distribution of light ideal for illuminating surfaces uniformly. Glare is minimized while light delivered to the target is maximized, resulting in high efficiency.





SW

For LM79 and photometric reports, visit **thelightingquotient.com**

L90(10k) > 60,000 hrs @ 25°C per TM-21



1 Source

S = Solid state (LED)

2 Style

101 = Xtra small fluted LED with remote driver

102 = Xtra small smooth LED with remote driver

3 Drive Current/Length/No. of LEDs

Solid State LED **fraqtir linear** drive current (LXZ2 emitters), fixture length, and number of emitters (composed of 6- or 7-LED boards), options below.

Lumen/Wattage Options:

R02L = 2ft fixture, 12 LEDs @ 350mA, 14 watts, 899 lumens **R02M** = 2ft fixture. 12 LEDs @ 700mA. 29 watts. 1639 lumens **R03L** = 3ft fixture, 18 LEDs @ 350mA, 22 watts, 1349 lumens **R03M** = 3ft fixture, 18 LEDs @ 700mA, 43 watts, 2458 lumens **R04L** = 4ft fixture, 24 LEDs @ 350mA, 29 watts, 1798 lumens **R04M** = 4ft fixture, 24 LEDs @ 700mA, 57 watts, 3277 lumens **R05L** = 5ft fixture, 30 LEDs @ 350mA, 36 watts, 2248 lumens **R05M** = 5ft fixture, 30 LEDs @ 700mA, 72 watts, 4096 lumens **R06L** = 6ft fixture, 36 LEDs @ 350mA, 43 watts, 2679 lumens **R06M** = 6ft fixture, 36 LEDs @ 700mA, 86 watts, 4916 lumens **R07L** = 7ft fixture, 42 LEDs @ 350mA, 50 watts, 3147 lumens **R07M** = 7ft fixture, 42 LEDs @ 700mA, 100 watts, 5735 lumens **12.1 R08L** = 8ft fixture, 48 LEDs @ 350mA, 57 watts, 3596 lumens **R08M** = 8ft fixture. 48 LEDs @ 700mA. 114 watts. 6554 lumens **R09L** = 9ft fixture, 54 LEDs @ 350mA, 64 watts, 4046 lumens **R09M** = 9ft fixture, 54 LEDs @ 700mA, 128 watts, 7373 lumens

Based on 3000K/80+CRI. Click here for scaled performance table. **Note:** J and K codes are discontinued.

4 Mounting

X = For use with required pendant or cantilever accessories
 — ordered and priced separately, see hangers at right

5 Finish

02 = Semigloss white

08 = Semigloss black

01 = Anodized housing, anodized trim

21 = Anodized housing, white trim

81 = Anodized housing, black trim

6 Voltage/Remote Driver

Electronic Driver 8 = 120-277V Electronic Dimming Driver*

Type:

M = 120-277V

*Dimming range refers to % power input, % light output will vary. Refer to Driver Information document MA-1303

7 Option

00 = No options

XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

0 = UL listed or CSA certified for U.S.

J = UL listed or CSA certified for Canada

9 Color Temperature

27 = 2700K, 80+ CRI **2H** = 2700K, 90+ CRI **30** = 3000K, 80+ CRI **3H** = 3000K, 90+ CRI

35 = 3500K, 80 + CRI

40 = 4000K, 80+ CRI **4L** = 4000K, 70+ CRI

Note: Additional CCT and CRI options are available; consult factory.

10 Dimming**

00 = Non-dimming

TE = LighTech line voltage dimming 100-10% power (trailing edge/reverse phase/ELV dimming controls by others)

ZX = 0-10V analog dimming 120-277V input, dimming range 100%-5%, 0-10V controls by others

L2 = Lutron Hi-lume LTE 120V input only, dimming range 100%-1%. compatible 2-wire dimming controls by others

LH = Lutron Hi-lume L3D 120-277V input, dimming range 100%-1%, Lutron 3-wire dimming controls by others

L3 = Lutron Hi-lume L3D EcoSystem 120-277V input, dimming range 100%-1%, EcoBus dimming controls by others

EL = eldoLED SOLOdrive 120-277V input, 0-10V analog dimming 100%-0.1% power (controls by others)

**Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document MA-1303

Note: Number of drivers varies with number of LEDs, drive current and driver type.

Required Mounting Hangers (X Mount)

S101 and S102 require use of hangers HSC, HSD, HSF, HSG, HSJ, HSK, HSL, HSM, HSP – ordered and priced separately. For individually mounted luminaires, order two end hangers for each housing. For a continuous row, order two end hangers. To determine the quantity of intermediate hangers, total the number of housings in the row and subtract one. Example: a row of 5 housings requires 2 end hangers and 4 intermediate hangers.

HSC Cantilever hanger with rectangular wall plate, intermediate

HSD Cantilever hanger with rectangular wall plate, end

HSF Pendant stem with round canopy, intermediate

HSG Pendant stem with round canopy, end

HSJ Pendant hanger, swivel assembly (up to 45°), intermediate

HSK Pendant hanger, swivel assembly (up to 45°), end

<u>HSL</u> Cantilever hanger with oval wall plate, oval canopy and cable tieback, intermediate

<u>HSM</u> Cantilever hanger with oval wall plate, oval canopy and cable tieback. end

HSP Cable hanger with round canopy

DOE Lighting Facts label for S101/S102,

"M" light output is 819 lm/ft (700 mA), 14 W/ft, based on a 4ft fixture.



Example

S101-R02L-X-01-8-00-0-30-00

Small fluted LED with remote driver, 2 foot long (644mm) luminaire driven at 350mA. Cantilever mounted. Bright aluminum housing, silver end plates, mill finish remote driver enclosure. 120-277V input, UL listed or CSA certified for U.S., dry location. 3000K, 80+ CRI.



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