Pendant Stem with Round Canopy 1:8 Scale

## Optical Assembly


$\qquad$


Cantilever with Cable Tieback 1:8 Scale


4 setback 18" $(457 \mathrm{~mm})$ -


4 - $3-3 / 8^{\prime \prime} W \times 4-1 / 2^{\prime \prime} H$ $(86 \times 114 \mathrm{~mm})$

Length (center to center
of hangers, see chart)
Remote Driver See remote LED driver document MA-1357 for dimensions and wiring, mounting instructions.
$\left|\frac{4-1 / 2^{\prime \prime}}{}\right|$


Cantilever with
Rectangular Canopy


## $y=h t$. to cable anchor at least $1 / 2$ length of arm

## Specifications

A Aluminum canopy
B Slip ring
C Tubular aluminum stem
D Optical assembly

E Aluminum hub ( $1.5^{\left.\text {" dia. } \times 1^{\prime \prime} \text { wide) }\right) ~}$
F Extruded aluminum heat sink/housing
G Impact-resistant extruded lens

H Holographic diffuser
J Field serviceable light engine with fraqtir ${ }^{T M}$ asymmetric optic
K Aluminum decorative end plate

L Aluminum anchor plate
M Adjustable cable glider
N $1 / 16^{\prime \prime}$ dia. $7 \times 7$ cable
0 Aluminum cover plate
P Chrome 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, acrylic 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 $2^{\prime \prime} \times 3^{" 1}$ recessed switch box, cable tieback provided
Fixture weight: $1.2 \mathrm{lb} / \mathrm{ft}(1.8 \mathrm{~kg} / \mathrm{m})$

## Electrical:

Units are furnished with 10 foot ( 2438 mm ) 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 $45^{\circ} \mathrm{C}\left(113^{\circ} \mathrm{F}\right)$.


## 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.

For LM79 and photometric reports, visit thelightingquotient.com

$\mathrm{L} 90(10 \mathrm{k})>60,000 \mathrm{hrs}$
$@ 25^{\circ} \mathrm{C}$ per TM-21
elliptipar


To form a Catalog Number


## 1 Source

$\mathbf{S}=$ 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 $=2 \mathrm{ft}$ 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 $=4 \mathrm{ft}$ 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 $=6 \mathrm{ft}$ 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
R08L $=8 \mathrm{ft}$ 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 $3000 \mathrm{~K} / 80+$ CRI. Click here for scaled performance table. Note: $J$ and K codes are discontinued.

## 4 Mounting

$\mathbf{X}=$ 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
$\mathbf{8 1}$ = Anodized housing, black trim

## 6 Voltage/Remote Driver

| Electronic Driver | Electronic Dimming Driver* |
| :--- | :--- |
| $\mathbf{8}=120-277 \mathrm{~V}$ | $\mathbf{M}=120-277 \mathrm{~V}$ |

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

## 7 Option

$\mathbf{0 0}=$ No options
$\mathbf{X X}=$ For modification not listed, include detailed description. Consult factory prior to specification.

## 8 Destination Requirement

$\mathbf{0}=$ UL listed or CSA certified for U.S.
$\mathbf{J}=$ UL listed or CSA certified for Canada

## 9 Color Temperature

| $\mathbf{2 7}=2700 \mathrm{~K}, 80+\mathrm{CRI}$ | $\mathbf{2 H}=2700 \mathrm{~K}, 90+\mathrm{CRI}$ |
| :--- | :--- |
| $\mathbf{3 0}=3000 \mathrm{~K}, 80+\mathrm{CRI}$ | $\mathbf{3 H}=3000 \mathrm{~K}, 90+\mathrm{CRI}$ |
| $\mathbf{3 5}=3500 \mathrm{~K}, 80+\mathrm{CRI}$ |  |

$\mathbf{4 0}=4000 \mathrm{~K}, 80+\mathrm{CRI} \quad \mathbf{4 L}=4000 \mathrm{~K}, 70+\mathrm{CRI}$
Note: Additional CCT and CRI options are available; consult factory.

## 10 Dimming**

$\mathbf{0 0}=$ Non-dimming
$\mathbf{T E}=$ LighTech line voltage dimming 100-10\% power (trailing edge/reverse phase/ELV dimming controls by others)
$\mathbf{Z X}=0-10 \mathrm{~V}$ analog dimming $120-277 \mathrm{~V}$ input, dimming range $100 \%-5 \%, 0-10 \mathrm{~V}$ controls by others
$\mathbf{L 2}=$ Lutron Hi-lume LTE 120V input only, dimming range 100\%-1\%, compatible 2-wire dimming controls by others
$\mathbf{L H}=$ 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.
elliptipar from The Lighting Quotient
114 Boston Post Road, West Haven, Connecticut 06516, USA Voice 203.931.4455 ' Fax 203.931.4464 • thelightingquotient.com

## 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 otal 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 $45^{\circ}$ ), intermediate
HSK Pendant hanger, swivel assembly (up to $45^{\circ}$ ), end
HSL Cantilever hanger with oval wall plate, oval canopy and cable tieback, intermediate
HSM 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 $819 \mathrm{~lm} / \mathrm{ft}(700 \mathrm{~mA})$, $14 \mathrm{~W} / \mathrm{ft}$, based on a 4 ft fixture.


## Example

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

Small fluted LED with remote driver, 2 foot long ( 644 mm ) luminaire driven at 350 mA . 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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