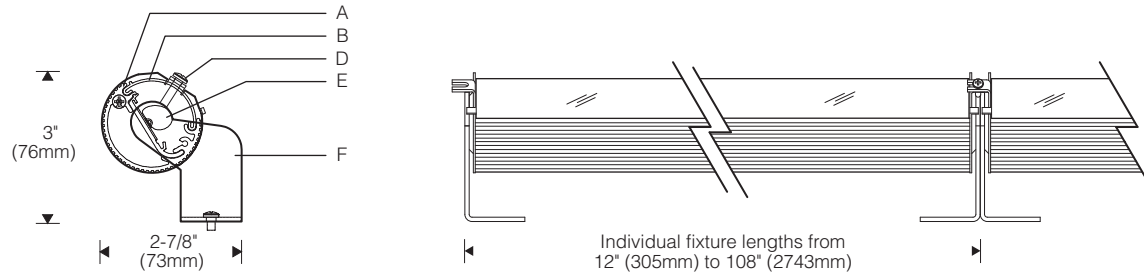
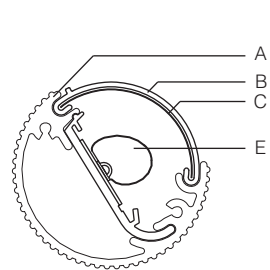


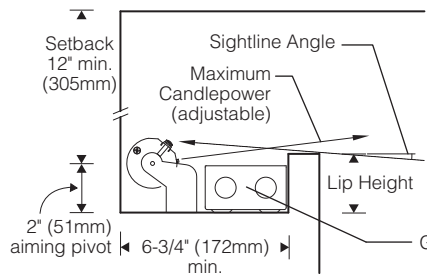
Style S301 1:4 Scale



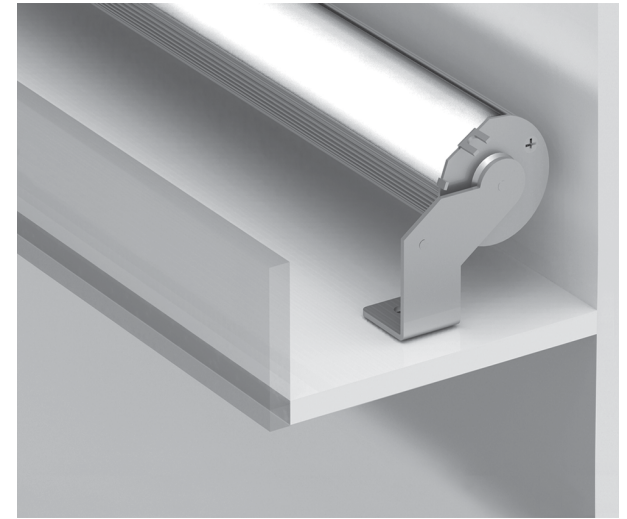
Optical Assembly 1:2 Scale



Cove 1:8 Scale



Remote Driver
See remote LED driver document [MA-1258](#) for dimensions and wiring, mounting instructions.



Specifications

- A** Extruded aluminum exterior, heat sink/housing
- B** Impact-resistant extruded lens
- C** Holographic diffuser
- D** Rotation locking tab/screw
- E** Field serviceable light engine with **fraqtir™** asymmetric optic
- F** L-shaped mounting feet, one pair per optical assembly (fasteners by others)
- G** Remote driver in aluminum enclosure

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, water-clear 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:

Mounting brackets and driver enclosure – mill finish aluminum. All luminaire hardware – stainless steel.

Mounting:

L-shaped mounting brackets can be base or wall mounted. Two brackets are supplied for each optical assembly. Luminaires can be mounted individually or joined together to form a continuous row. Optical assembly aiming is fully adjustable and is fixed in position by rotation locking screws at each mounting bracket. When mounted in a continuous row, assemblies lock together allowing all in the row to be aimed together.

Electrical:

Use 90°C wire for supply connections. 5' (1.5m) wire leads exit center of the housing.

Remote electronic Class II driver. For complete driver specifications, see website, reference document MA-1303. Aluminum driver enclosure includes (8) 7/8" dia. entries for supply wiring and low voltage receptacle(s) for connection to luminaire. Optional electronic dimming driver, compatible dimming controls (by others). Maximum wire length between electronic driver and fixture varies by manufacturer. See website for dimming compatibility and specifications.

Standard:

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

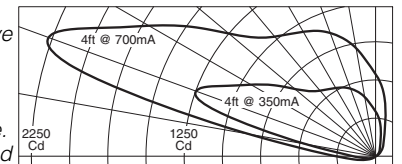


Features

- **fraqtir technology** – combines several principles of refraction, including TIR, for precise asymmetric optical control
- Wide lateral distribution – no socket shadows
- Fully adjustable and lockable optic assembly
- Easily serviced – LED light engine assembly can be removed for service/upgrade

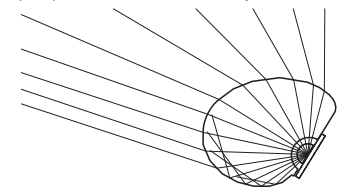
Performance

fraqtir technology uses multiple refractive surfaces and total internal reflections to drive light across the ceiling from one edge. Glare is minimized and asymmetry of the beam is maximized, resulting in high beam efficiency and superior surface uniformity.



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

For photometric and lumen maintenance reports, visit thelightingquotient.com



To form a Catalog Number

S | 3 | 0 | 1 | - | R | | | | - | S | - | 0 | 0 | - | | | - | | | - | | |

1 2 3 4 5 6 7 8 9 10

Project: _____

Type: _____

1 Source

S = Solid state (LED)

2 Style

301 = Small concealed LED with remote driver

3 Drive Current/Length/No. of LEDs

Solid State LED **fraqtir linear** drive current (LX22 emitters), fixture length, and number of emitters (composed of 6-LED boards), options below.

Lumen/Wattage Options:

- R01L** = 1ft fixture, 6 LEDs @ 350mA, 7 watts, 450 lumens
- R01M** = 1ft fixture, 6 LEDs @ 700mA, 14 watts, 819 lumens
- 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
- 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

S = Sidearms with mounting tabs

5 Finish

00 = Anodized optical housing/heat sink; mill finish brackets and remote driver enclosure; stainless steel luminaire hardware

6 Voltage/Driver

Electronic Driver

Electronic Dimming Driver*

8 = 120-277V

M = 120-277V

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

Refer to Driver Information document [MA-1303](#)

7 Option (See Accessories Section for specifications)

00 = No options

0M = For use in MRI medical facility. MRI filters (by others) required on output of each remote driver. 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 = LightTech 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

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

Note: EL is not suitable for MRI use (0M option).

L3 = Lutron A-Series 120-277V input, dimming range 100%-1%, Lutron EcoBus dimming (controls by others)

LH = Lutron A-Series 120-277V input, dimming range 100%-1%, Lutron 3-wire dimming (controls by others)

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

Refer to Driver Information document [MA-1303](#)

Example

S301-R09L-S-00-8-00-0-30-00

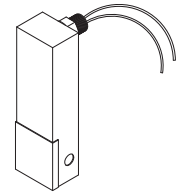
Xtra small concealed LED, 9 foot long (2.74m) luminaire driven at 350mA. Aluminum sidearms with mounting tabs, anodized reflector, mill finish brackets and remote driver enclosure. 120-277V input, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

Accessories

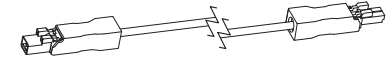
Order separately. See Accessories Section for specifications.

AMR02050 = Accessory Magnetic Resonance imaging filter. 2 conductor up to 5 amps, attenuation > 100dB (5MHz to 10GHz).

Note: one filter required per remote driver – consult factory for number of drivers required per luminaire.



AXC0810 = Accessory extension cord, black jacket 20AWG, 10' long with plug and socket quick connectors at each end.



elliptipar by The Lighting Quotient

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	3277
Watts	57
Lumens per Watt (Efficacy)	57.5
Color Accuracy	
Color Rendering Index (CRI)	84
Light Color	
Correlated Color Temperature (CCT)	3060 (Bright White)
2700K 3000K Bright White 4500K Daylight 6500K	
LED Lumen Maintenance Projection	94.97%
at 50,000 Hours at 25°C Ambient*	
Warranty**	Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

* Based on TM-21 projections for the light source.
** See www.lightingfacts.com/products for details.

Registration Number: 3HVJ-7T4L11 (11/13/2015)
Model Number: S301-R04M-S-00-1-00-0-30-00
Type: Luminaire - Cove

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



elliptipar from The Lighting Quotient
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Voice 203.931.4455 • Fax 203.931.4464 • thelightingquotient.com

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