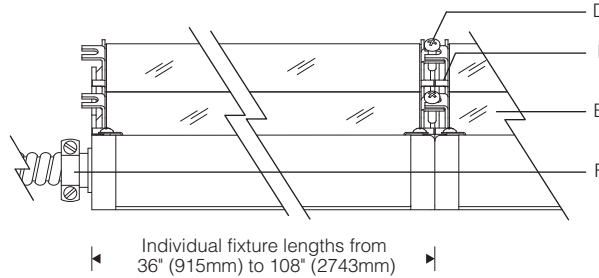
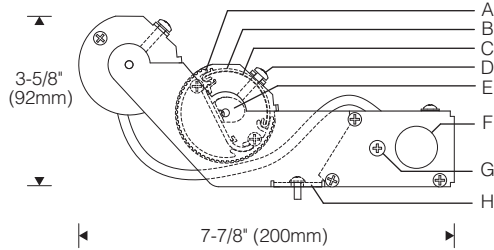
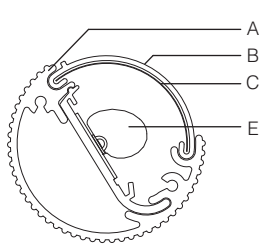


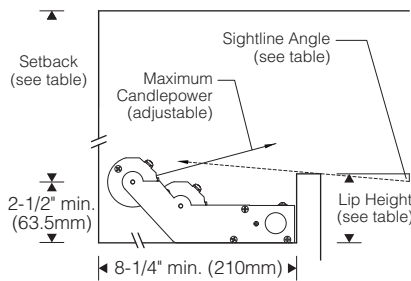
Style S307 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale

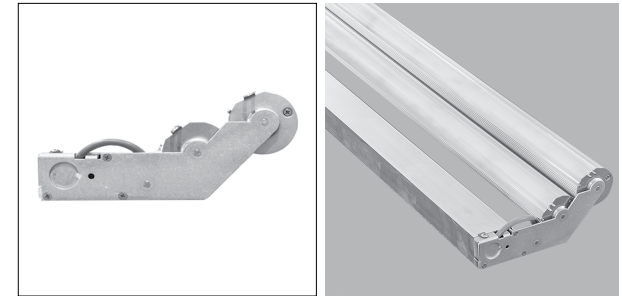


Cove Dimensions

(max. candlepower aimed 15° above horiz.)

Sightline	0° (horiz. cutoff)	5°	10°
Width (inside)	9-1/4" (235mm)	9-1/4" (235mm)	9-1/4" (235mm)
Lip Height (inside)	3-9/16" (91mm)	2-7/8" (73mm)	2-7/32" (56mm)
Setback (varies)	Recommended minimum: 18" (457mm)		

Adjustable aiming, lowest angle listed.



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** Conduit entry (one on each end, conduit and connector by others)
- G** Driver/housing joiner screw
- H** Aluminum sidearm with mounting tab (mounting fasteners by others)
- I** Stainless steel end plates with rotation stop

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:

Side arms and driver enclosure – mill finish aluminum. All luminaire hardware – stainless steel.

Mounting:

Lay-in installation, side arms with mounting tabs can be base or wall mounted (fasteners by others). Luminaires can be mounted individually or joined together to form a continuous row. Optical assembly aiming is adjustable and is fixed in position by rotation locking screws at each side arm. 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. Integral electronic Class II driver. For complete driver specifications, see website, reference document [MA-1303](#). Driver/wireway compartment includes one conduit entry at each end. Channel cover is removable for access to driver and wiring. Luminaires may be butted end-to-end (connectors by others) for through wiring. Optional #12 AWG prewired modular through wiring with quick connectors.

Optional electronic dimming driver, compatible dimming controls (by others). See website for dimming compatibility and specifications.

Standard:

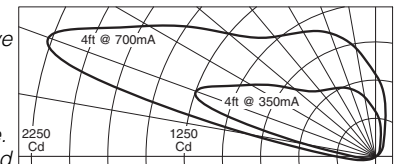
UL listed or CSA certified for dry location. 5 year warranty, maximum ambient temperature 45°C (113°F).

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

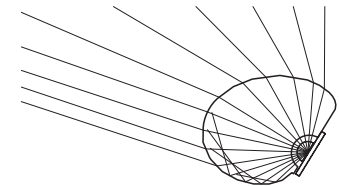
Performance per Head Assembly

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 | 7 | - | R | | | | - | S | - | 0 | 0 | - | | | - | | | - | | |

1 2 3 4 5 6 7 8 9 10

Project: _____

Type: _____

1 Source

S = Solid state (LED)

2 Style

307 = Dual xtra small concealed LED with integral driver

3 Drive Current/Length/No. of LEDs

Lumen/Wattage Options:

- R03L = 3ft fixture, 36 LEDs @ 350mA, 44 W, 2698 lumens
- R03M = 3ft fixture, 36 LEDs @ 700mA, 86 W, 4916 lumens
- R04L = 4ft fixture, 48 LEDs @ 350mA, 58 W, 3596 lumens
- R04M = 4ft fixture, 48 LEDs @ 700mA, 114 W, 6554 lumens
- R05L = 5ft fixture, 60 LEDs @ 350mA, 72 W, 4496 lumens
- R05M = 5ft fixture, 60 LEDs @ 700mA, 144 W, 8192 lumens
- R06L = 6ft fixture, 72 LEDs @ 350mA, 86 W, 5358 lumens
- R06M = 6ft fixture, 72 LEDs @ 700mA, 172 W, 9832 lumens
- R07L = 7ft fixture, 84 LEDs @ 350mA, 100 W, 6294 lumens
- R07M = 7ft fixture, 84 LEDs @ 700mA, 200 W, 11470 lumens
- R08L = 8ft fixture, 96 LEDs @ 350mA, 114 W, 7192 lumens
- R08M = 8ft fixture, 96 LEDs @ 700mA, 228 W, 13108 lumens
- R09L = 9ft fixture, 108 LEDs @ 350mA, 128 W, 8092 lumens
- R09M = 9ft fixture, 108 LEDs @ 700mA, 256 W, 14746 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 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

OK = Modular through-wire harness with quick connectors

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 gamma corrected 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.

Example

S307-R07M-S-00-8-00-0-30-00

Dual xtra small concealed LED, 7 foot long (2.13m) luminaire driven at 700mA. Aluminum sidearms with mounting tabs, anodized heat sink/housing. 120-277V input, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

