Next Generation High Performance Cove

September 15, 2016

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VP Product Design

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VP Applications and Design

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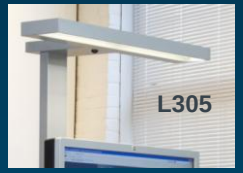
LED Product Lines

tambient LED Task/Ambient (open plan office)



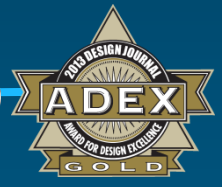
elliptipar LED Cove

elliptipar LED Outdoor

elliptipar LED Indoor

Stack, Aisle Lights:

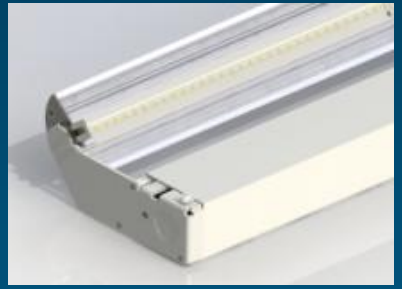
The Lighting Quotient Award Winners



New elliptipar concealed LED

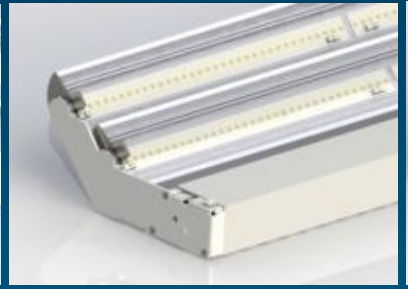
S314

S315



S316

S317



S318

$$\frac{X}{Y} = Q$$

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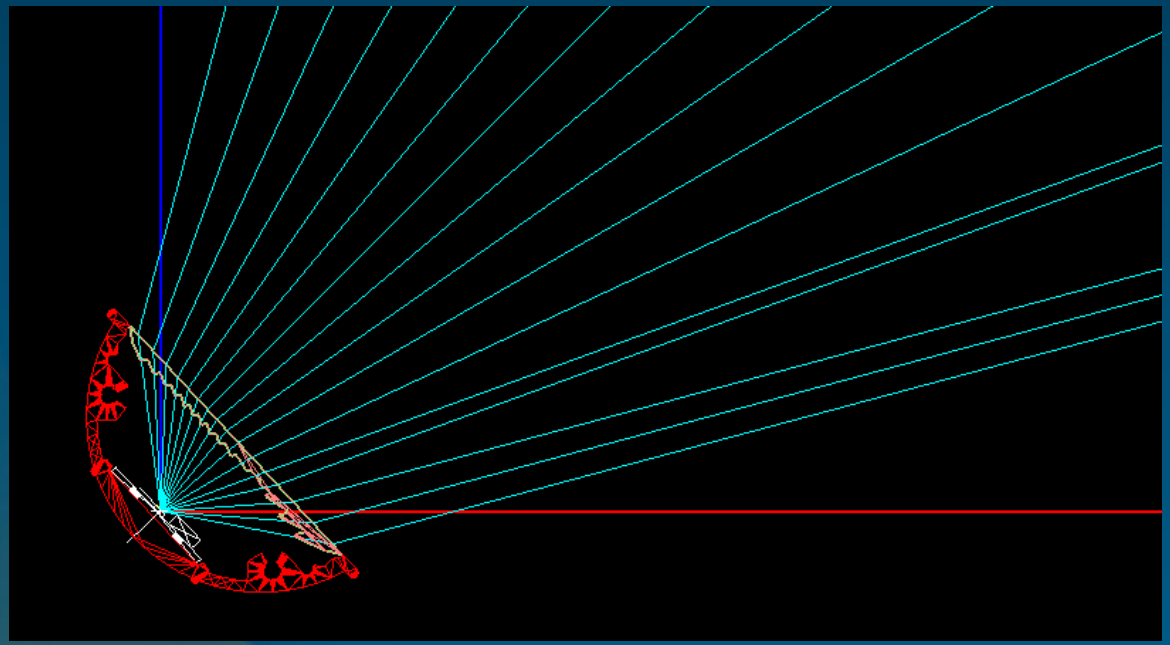
New optical design



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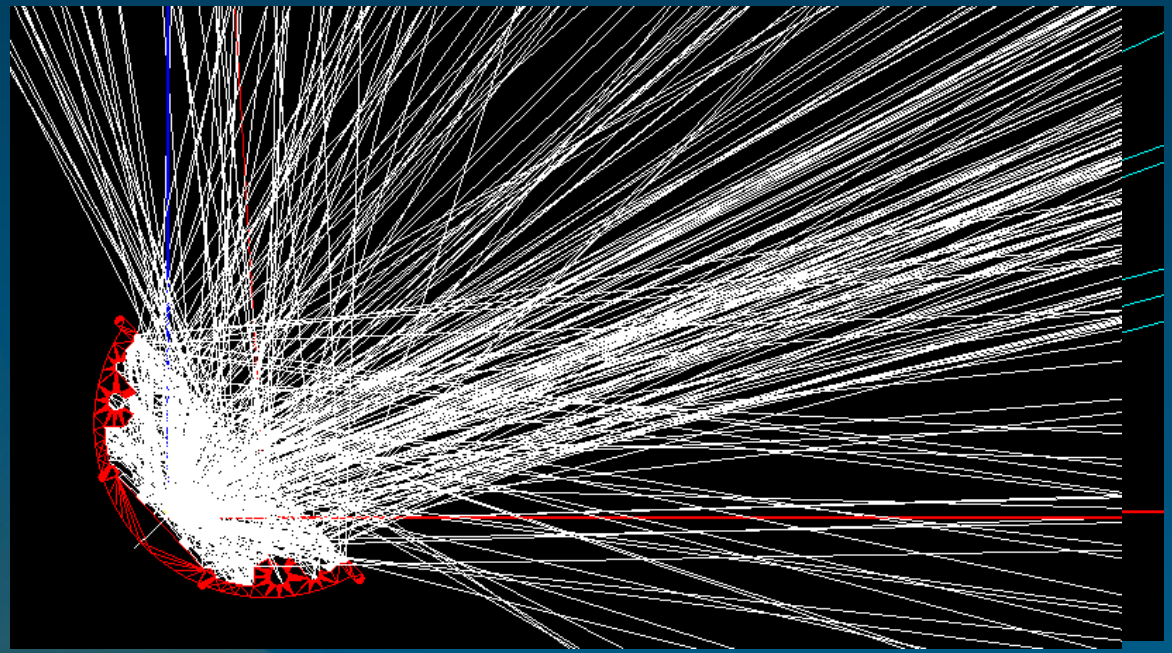

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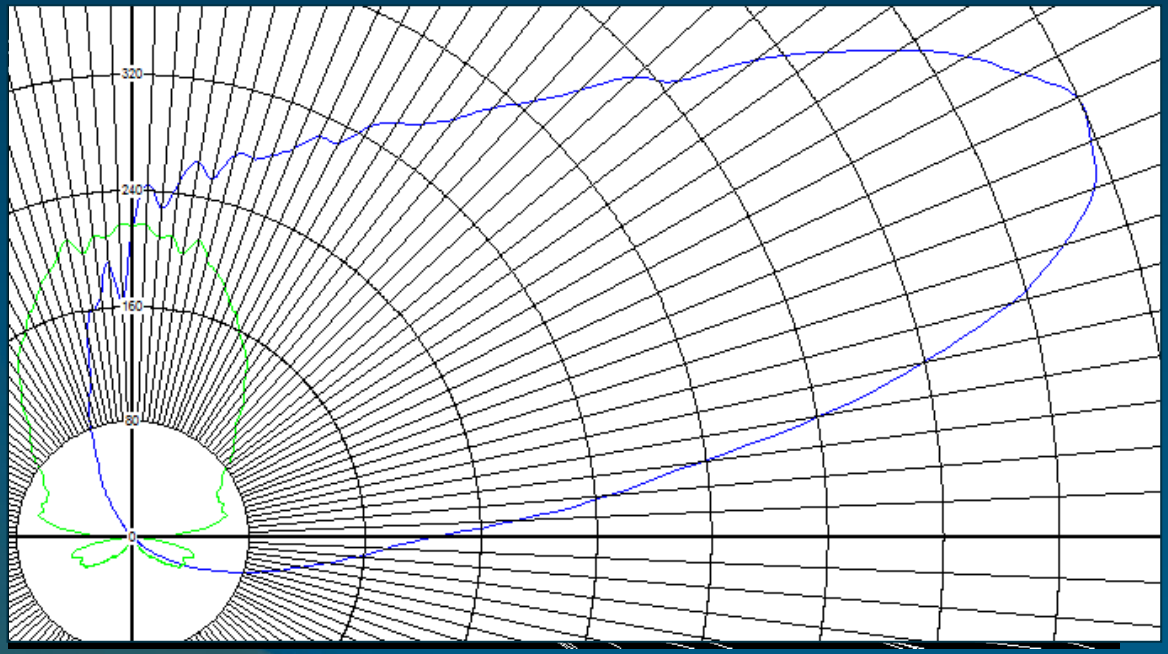

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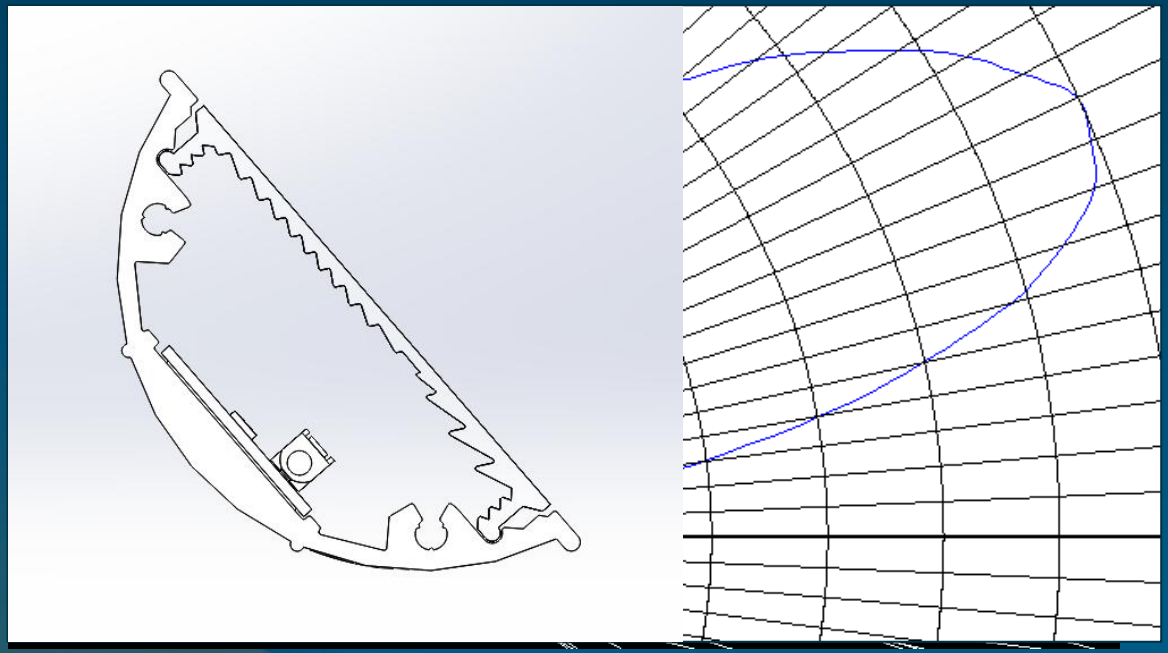

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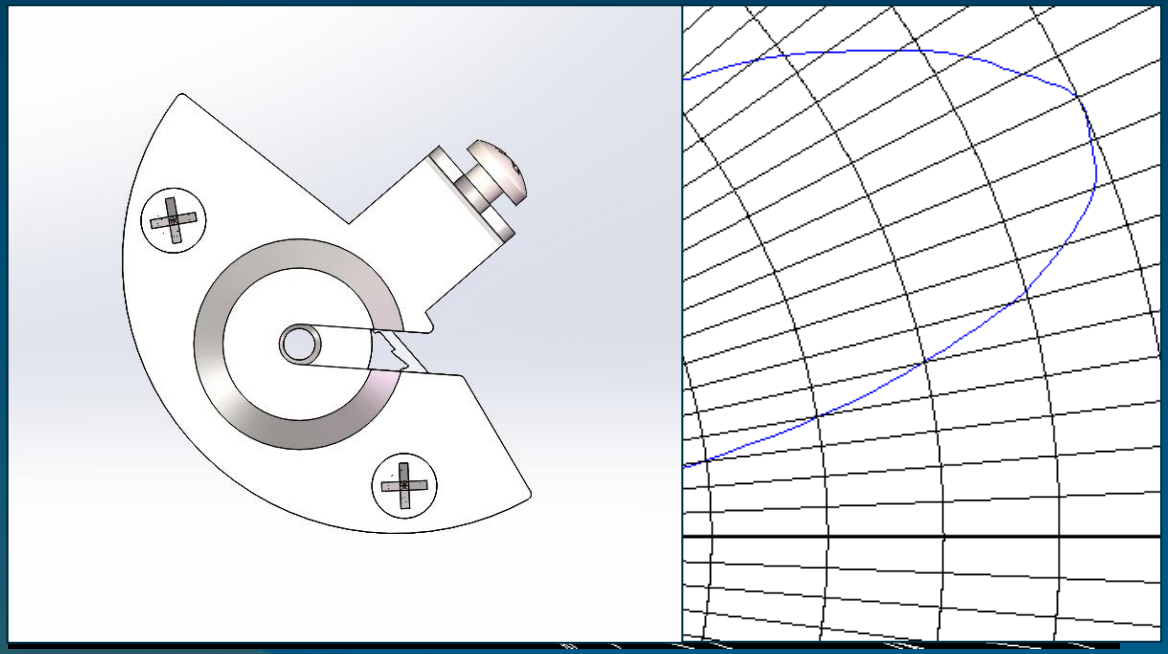

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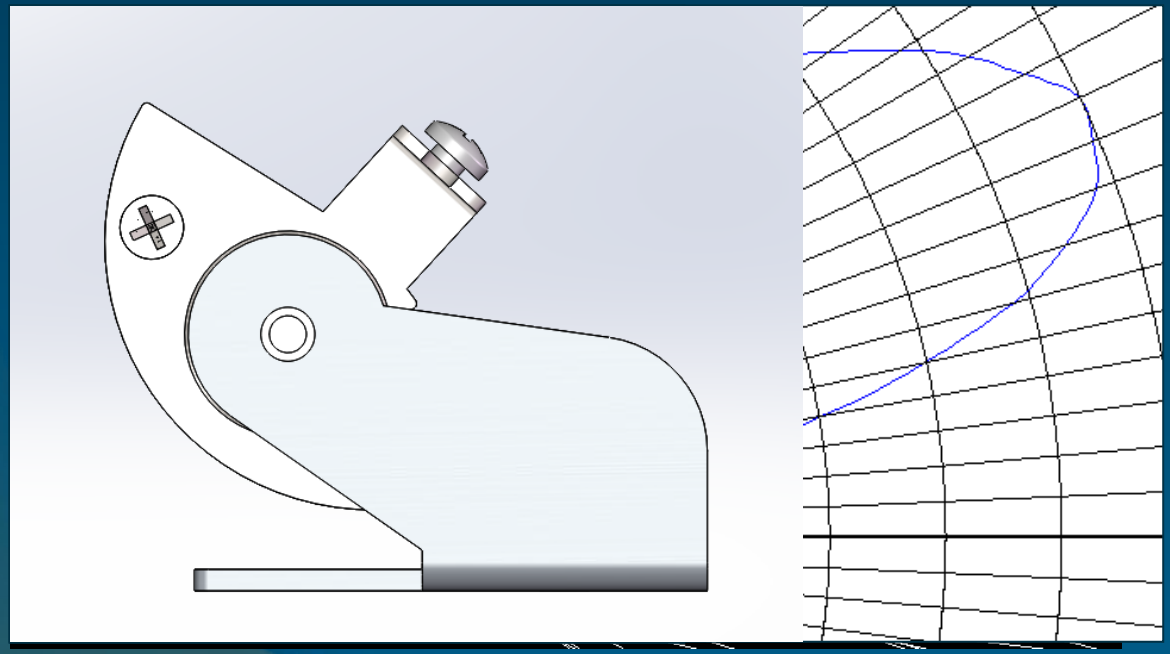

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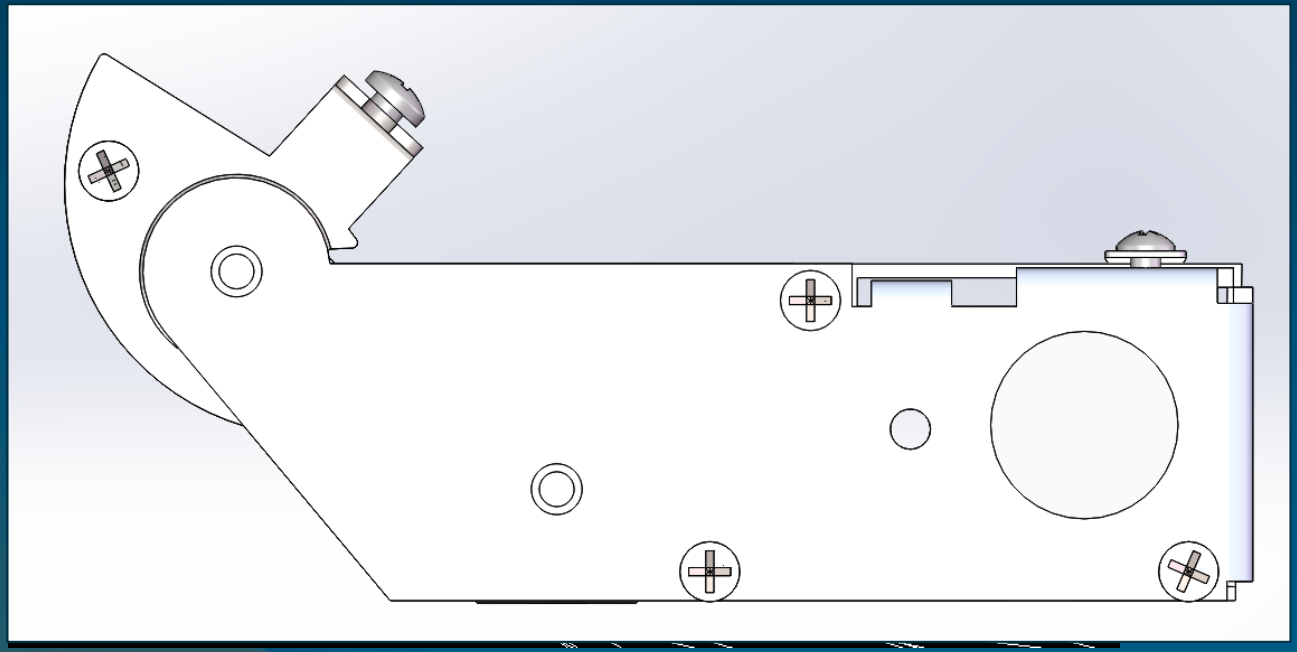

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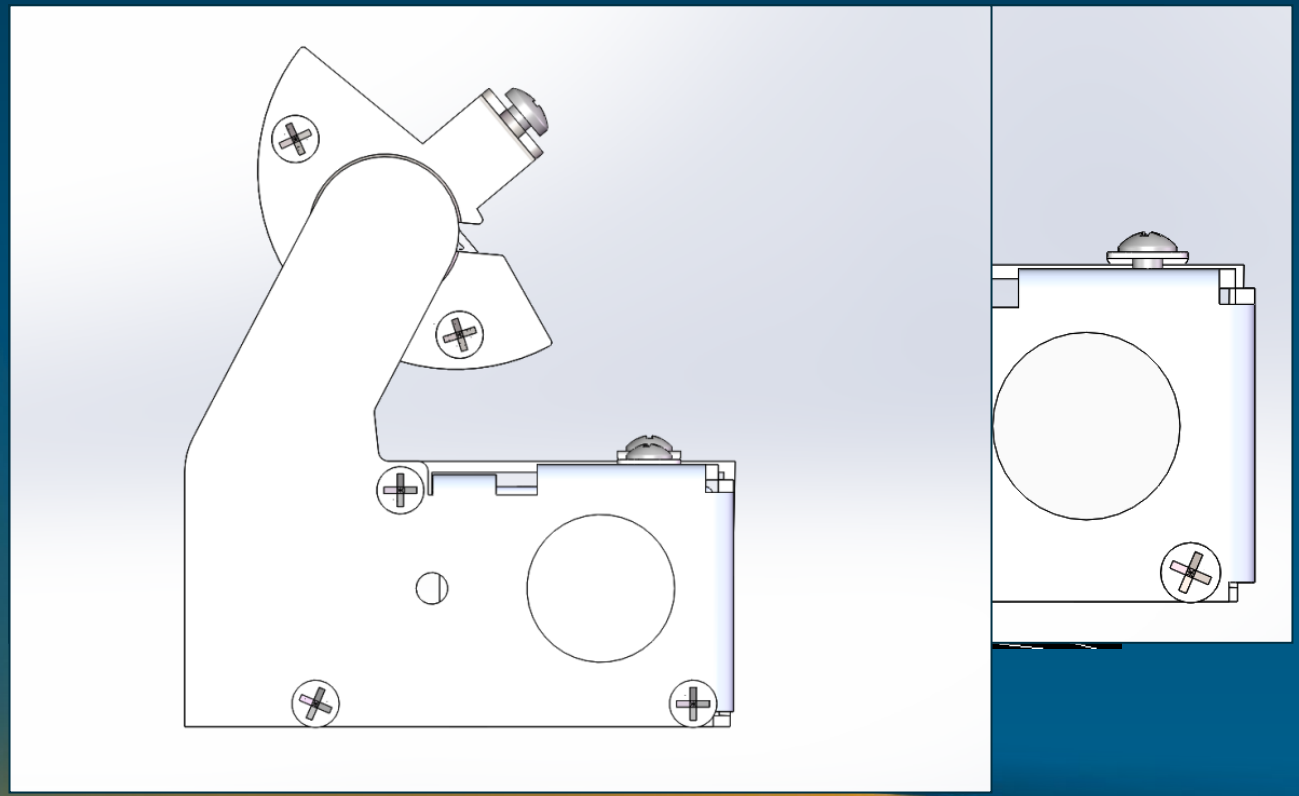

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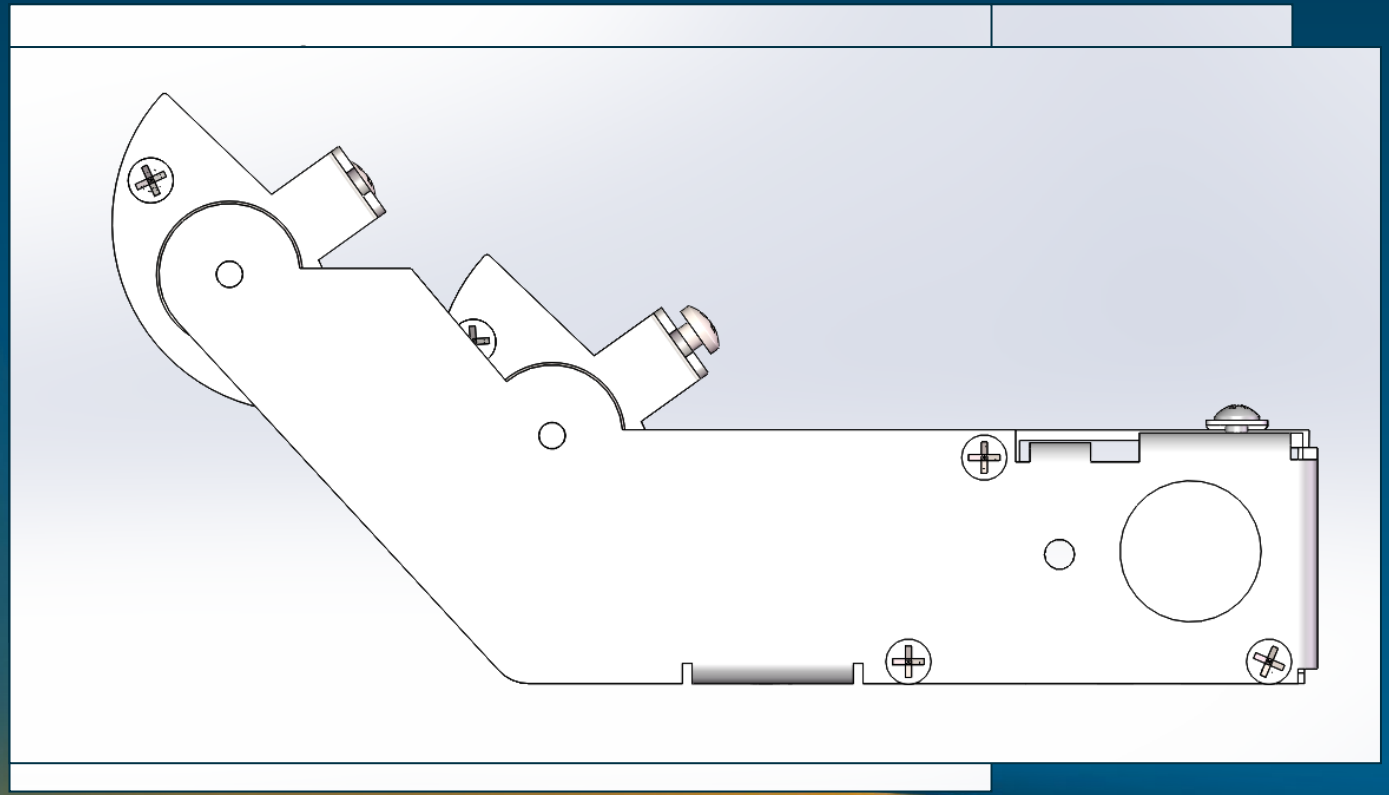

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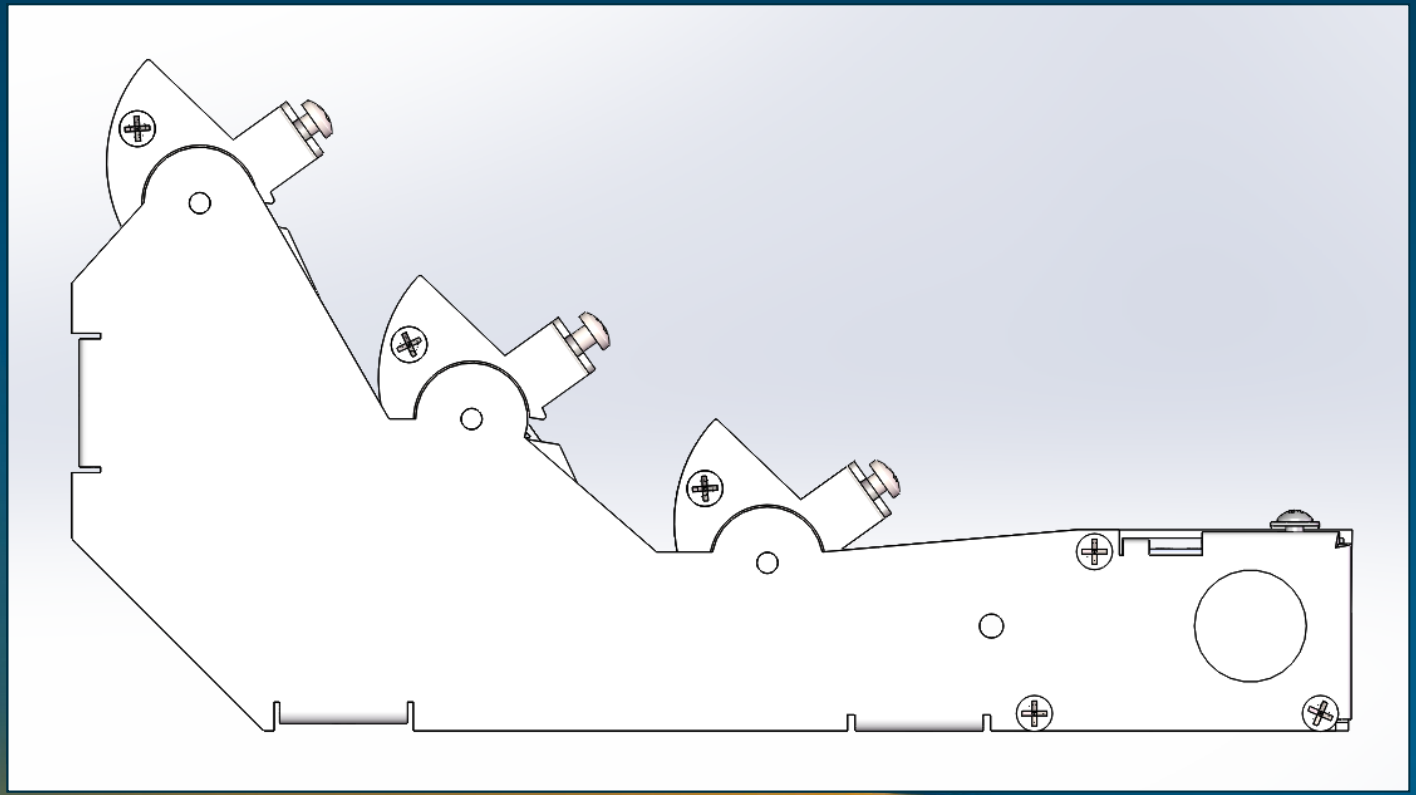

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Styles S314 S315 S316 S317 & S318

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Style S316

PRODUCT **S31X**

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your 4-digit Quickfinder code at www.TheLightingQuotient.com

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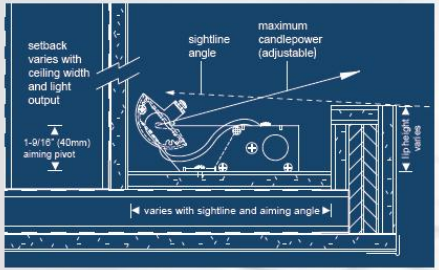

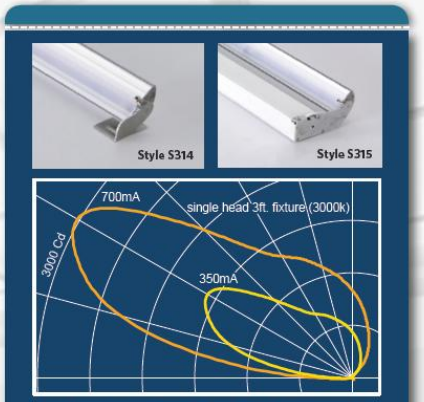

L85(10k) > 60,000 hours @ 25°C per TM-21 (reported)
L70(10k) > 136,000 hours @ 25°C per TM-21 (projected)

- **High performance, smaller profile linear LED cove luminaires in five different body styles**
- **Fully adjustable and lockable aiming**
- **Proprietary refractive lens technology produces an asymmetric distribution –** ideal for illuminating surfaces uniformly from one edge
- **Precise optical control –** ensures virtually all of the light gets out of the cove and is delivered to the target surface
- **Light output – up to 1780 lumens per foot** based on 4000K/80+CRI at 700mA (single head)
- **Up to 16,000 lumens delivered (9' single head) –** several lumen packages available based on fixture length, drive current and color temperature
- **Multiple dimming driver options –** including 0-10V analog, Reverse Phase/ELV/Trailing Edge, Forward phase/Triac/Leading edge and DALI
- **High efficacy –** 127.0 lumens per watt (based on 3000K, 80+ CRI@ 700mA)
- **Several CCT/CRI choices –** 2700K, 3000K, 3500K or 4000K, 80+ CRI (other CCT and CRI options available upon request)
- **Excellent lumen maintenance –**
  - —L85(10k) > 60,000 hours @ 25°C per TM-21 (reported)
  - —L70(10k) > 136,000 hours @ 25°C per TM-21 (projected)
- **Programmable drivers are available –** allows designers to achieve a specific lighting power density or custom light level
- **Continuous wireway channel with easy access cover –** facilitates installation and driver maintenance
- **Optional pre-wired harness with quick connectors –** for fast, simple installation

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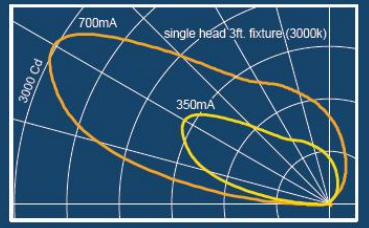

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- **Programmable drivers are available –** allows designers to achieve a specific lighting power density or custom light level
- **Continuous wireway channel with easy access cover –** facilitates installation and driver maintenance
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- **Up to 16,000 lumens delivered (9' single head) –** several lumen packages available based on fixture length, drive current and color temperature
- **Multiple dimming driver options –** including 0-10V analog, Reverse Phase/ELV/Trailing Edge, Forward phase/Triac/Leading edge and DALI
- **High efficacy –** 121.3 lumens per watt (based on 3000K, 80+ CRI @ 700mA)
- **Several CCT/CRI choices –** 2700K, 3000K, 3500K or 4000K, 80+ CRI (other CCT and CRI options available upon request)
- **Excellent lumen maintenance –**
  - —L85(10k) > 60,000 hours (TM-21 reported based on 10,000 hours of LM80 data)
  - —L70 > 136,000 hours (TM-21 projected)
- **Programmable drivers are available –** allows designers to achieve a specific lighting power density or custom light level
- **Continuous wireway channel with easy access cover –** facilitates installation and driver maintenance
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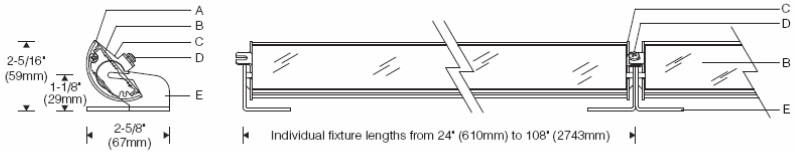
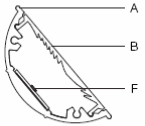
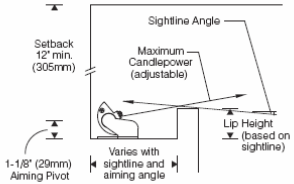
Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Remote Driver
See remote LED driver document MA-1357 for dimensions and wiring, mounting instructions.

Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E L-shaped mounting feet, one pair per optical assembly (fasteners by others)

F Constant current LED board

Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens.

Finish:
Optic assembly – bright anodized aluminum.
Mounting feet – mill finish aluminum.
All 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. 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).

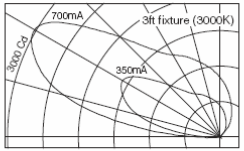
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Remote driver – ideal for MRI applications or where access to fixture is difficult*

SC 17.0

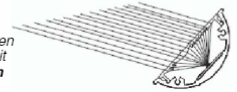
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



LED lighting facts LED Product Partner

elliptipar with LED

To Order

Style S314

Project:

Type:

To form a Catalog Number

S | 3 1 4 | - R ___ | - S | - 0 0 | - | - ___ | - | - ___ | - ___ |

1 2 3 4 5 6 7 8 9 10

1 Source

S = Solid state (LED)

2 Style

314 = Small linear concealed LED with remote driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G =	2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G =	3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G =	4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05G =	5ft fixture,	180 LEDs @ 175mA,	17.0 watts,	2336 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06G =	6ft fixture,	216 LEDs @ 175mA,	20.4 watts,	2803 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07G =	7ft fixture,	252 LEDs @ 175mA,	23.8 watts,	3271 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08G =	8ft fixture,	288 LEDs @ 175mA,	27.2 watts,	3738 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G =	9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M =	9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.

Note: Other drive currents are available, consult factory.

SC 17.1

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
3 = 347V	**K** = 347V

*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 **35** = 3500K, 80+ CRI

30 = 3000K, 80+ CRI **40** = 4000K, 80+ 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

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)

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).

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others
Note: ED is **not** suitable for MRI use (**0M** option).

**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.

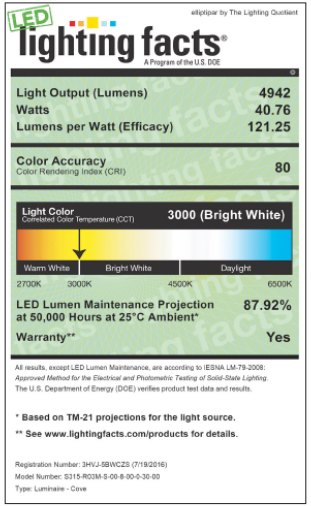
Accessories

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.

3ft/108 LEDs @ 700mA, 1647 lm/ft (3000K/80+CRI) shown >



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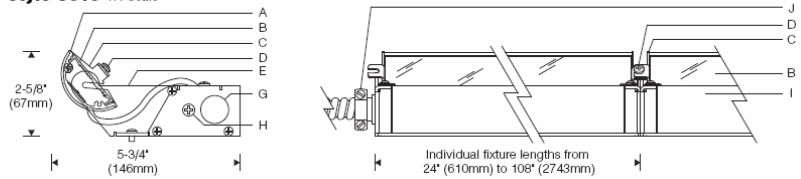
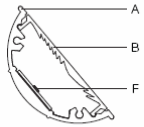
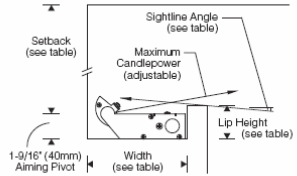
Style S315 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions
(maximum candlepower aimed 15° above horizontal)

Sightline	0° (horiz. cutoff)	5°	10°
***Width** (inside)*	6-1/4" (159mm)	7-1/2" (190mm)	7-1/2" (190mm)
***Lip** (inside)*	2-3/16" (56mm)	1-5/8" (41mm)	1-1/2" (38mm)
Setback	Recommendedminimum:12"(305mm) for 350mA, 18" (457mm) for 700mA		

Note: Finish interior of cove matte white for best results.

Specifications

- **A** Serviceable extruded aluminum heat sink/housing
- **B** Extruded acrylic beam shaping lens
- **C** Stainless steel end plates with interlocking tabs
- **D** Rotation locking tab with locking set screw
- **E** Aluminum side arm with adjustable mounting tab (fasteners by others)
- **F** Constant current LED board
- **G** Conduit entry (one each end, conduit and connections by others)
- **H** Driver/housing joiner screw (one per fixture)
- **I** Extruded aluminum driver housing and driver
- **J** Supply conduit and connectors by others

Housing and Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens. Extruded aluminum driver housing and removable cover.

Finish:
Optic assembly – bright anodized aluminum.
Side arms and driver compartment – mill finish aluminum.
All 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.

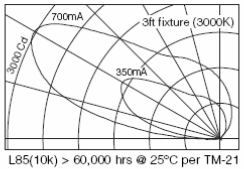
Standard:
UL listed or CSA certified for dry locations.
5 year warranty, maximum ambient temperature 45°C (113°F).

Features

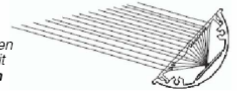
- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Low profile – allows smaller cove height*

Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21



For photometric and lumen maintenance reports, visit ***thelightingquotient.com***

SC 17.0

SC 18.0

Project:

Type:

To form a Catalog Number

S 3 1 5 - R ___ - S - 0 0 - ___ - ___ - ___ - ___ - ___ - ___

1 2 3 4 5 6 7 8 9 10

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed LED with integral driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G = 2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L = 2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M = 2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G = 3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L = 3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M = 3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G = 4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
R04L = 4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M = 4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05G = 5ft fixture,	180 LEDs @ 175mA,	17.0 watts,	2336 lm
R05L = 5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M = 5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06G = 6ft fixture,	216 LEDs @ 175mA,	20.4 watts,	2803 lm
R06L = 6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M = 6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07G = 7ft fixture,	252 LEDs @ 175mA,	23.8 watts,	3271 lm
R07L = 7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M = 7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08G = 8ft fixture,	288 LEDs @ 175mA,	27.2 watts,	3738 lm
R08L = 8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M = 8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G = 9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L = 9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M = 9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. **Click here** for scaled performance table.

Note: Other drive currents are available, consult factory.

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
3 = 347V	**K** = 347V

*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

0K = 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

30 = 3000K, 80+ CRI

35 = 3500K, 80+ CRI

40 = 4000K, 80+ 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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

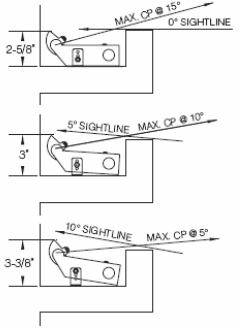
**Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document MA-1303

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

Adjustable Mounting Feet

The optical assembly is adjustable and lockable, in addition, the S315 is provided with mounting feet that can raise the optical assembly to achieve lower aiming angles.

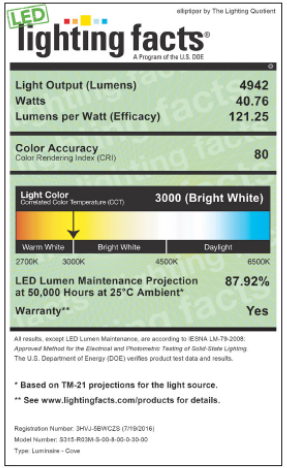


Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**

Middle position allows peak candlepower to be aimed as low as **10° above horizontal.**

High position allows peak candlepower to be aimed as low as **5° above horizontal.**

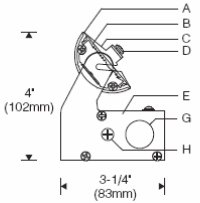
3ft/108 LEDs @ 700mA, 1647 lm/ft (3000K/80+CRI) shown >



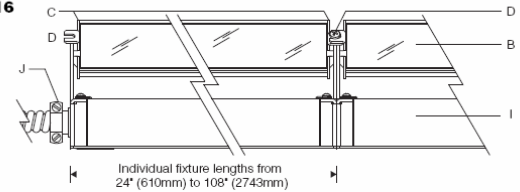
elliptipar with LED

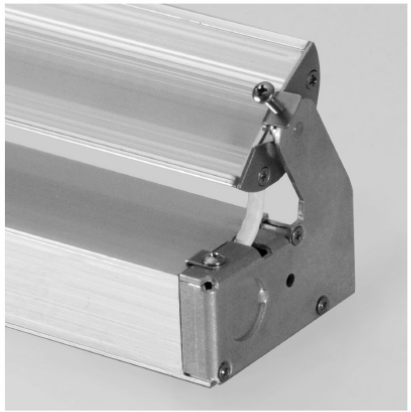
elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

SC 17.
SC 18.1

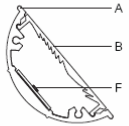


Style S316
1:4 Scale

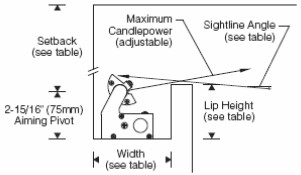




Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions
(maximum candlepower aimed 15° above horizon)

Sightline	0° (horiz. cutoff)	5°	10°
Width *(inside)*	5-1/8" (130mm)	4-1/4" (108mm)	4-1/4" (108mm)
Lip *(inside)*	4" (102mm)	3-5/8" (92mm)	3-1/4" (83mm)
Setback	Recommended minimum: 12" (305mm) for 350mA, 18" (457mm) for 700mA		

Note: Finish interior of cove matte white for best results.

Specifications

- **A** Serviceable extruded aluminum heat sink/housing
- **B** Extruded acrylic beam shaping lens
- **C** Stainless steel end plates with interlocking tabs
- **D** Rotation locking tab with locking set screw
- **E** Aluminum side arm with adjustable mounting tab (fasteners by others)
- **F** Constant current LED board
- **G** Conduit entry (one each end, conduit and connectors by others)
- **H** Driver/housing joiner screw (one per fixture)
- **I** Extruded aluminum driver housing and cover
- **J** Supply conduit and connections by others

Housing and Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens. Extruded aluminum driver housing and removable cover.

Finish:
Optic assembly – bright anodized aluminum.
Side arms and driver compartment – mill finish aluminum.
All 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.

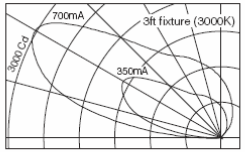
Standard:
UL listed or CSA certified for dry location.
5 year warranty, maximum ambient temperature 45°C (113°F).

Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Slim profile – ideal for tight coves*

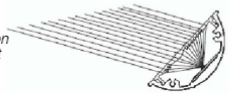
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



SC 17.
SC 18.
SC 19.0

To Order

Style S316

To form a Catalog Number

S 3 1 6 - R _ _ _ _ - S - 0 0 - _ _ - _ _ _ - _ - _ _ _ - _ _ _

1 2 3 4 5 6 7 8 9 10

Project:

Type:

1 Source

S = Solid state (LED)

2 Style

316 = Small linear concealed LED with integral driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G =	2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G =	3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G =	4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05G =	5ft fixture,	180 LEDs @ 175mA,	17.0 watts,	2336 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06G =	6ft fixture,	216 LEDs @ 175mA,	20.4 watts,	2803 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07G =	7ft fixture,	252 LEDs @ 175mA,	23.8 watts,	3271 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08G =	8ft fixture,	288 LEDs @ 175mA,	27.2 watts,	3738 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G =	9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M =	9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.

Note: Other drive currents are available, consult factory.

4 Mounting

S = Sidearms with mounting tabs

5 Finish

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

6 Voltage/Driver

Electronic Driver	*Electronic Dimming Driver**
8 = 120-277V	**M** = 120-277V
3 = 347V	**K** = 347V

*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

0K = 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

30 = 3000K, 80+ CRI

35 = 3500K, 80+ CRI

40 = 4000K, 80+ 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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

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

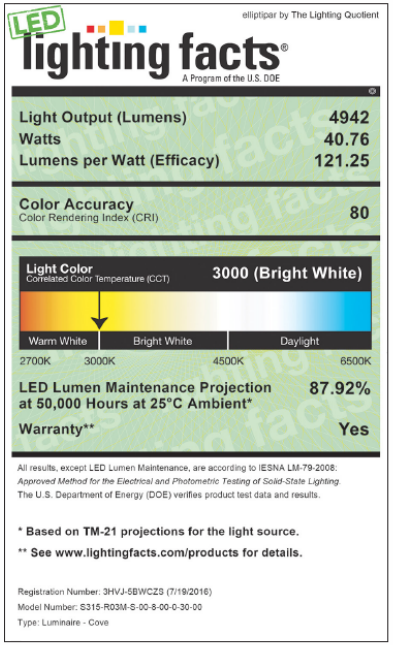
Refer to Driver Information document MA-1303

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

Example

S316-R06L-S-00-L-00-0-35-ZX

Small concealed LED, 6 foot long (1.82m) luminaire driven at 350mA. Anodized aluminum housing, mill finish integral driver enclosure. 120-277V input, 0-10V analog dimming controls by others. UL listed or CSA certified for U.S., dry location. 3500K/80+ CRI.



3ft/108 LEDs @ 700mA, 1647 lm/ft (3000K/ 80+CRI) shown

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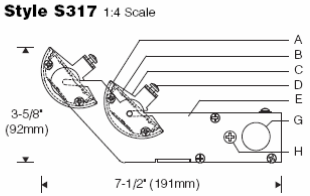
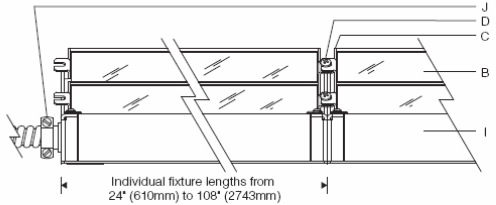
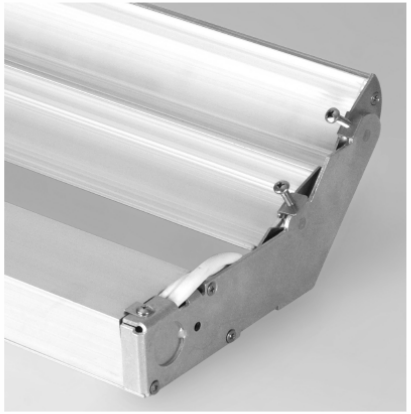
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

elliptipar with LED

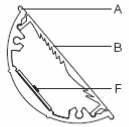
Style S317 1:4 Scale



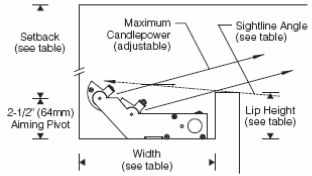




Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions

(maximum candlepower aimed 15° above horizontal)

Sightline	0° (horiz. cutoff)	5°	10°
Width *(inside)*	11" (279mm)	8-1/4" (210mm)	8-1/4" (210mm)
Lip *(inside)*	3-5/8" (92mm)	2-7/8" (73mm)	2-5/8" (67mm)
Setback	Recommended minimum: 18" (457mm)		

Note: Finish interior of cove matte white for best results.

Specifications

A Serviceable extruded aluminum heat sink/housings

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E Aluminum side arm with adjustable mounting tab (fasteners by others)

F Constant current LED board

G Conduit entry (one each end, conduit and connections by others)

H Driver/housing joiner screw (one per fixture)

I Extruded aluminum driver housing and driver

J Supply conduit and connectors by others

Housing and Optic Assembly:

Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens. Extruded aluminum driver housing and removable cover.

Finish:

Optic assembly – bright anodized aluminum.
Side arms and driver compartment – mill finish aluminum.
All 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:

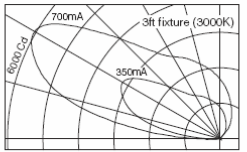
UL listed or CSA certified for dry locations.
5 year warranty, maximum ambient temperature 45°C (113°F).

Features

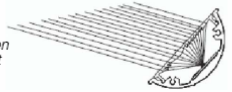
- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assemblies*
- *Integral driver with optional pre-wired harness*

Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21



For photometric and lumen maintenance reports, visit ***thelightingquotient.com***

elliptipar with LED

SC 17. SC 18. SC 19. SC 20.0

To Order

Style S317

Project: Type:

To form a Catalog Number

S	3	1	7	-	R				-	S	-	0	0	-		-			-		-		
1				2			3			4	5			6		7		8		9		10	

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed dual head LED, integral driver

3 Drive Current/Length/No. of LEDs

Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L = 2ft fixture, 144 LEDs @ 350mA, 27.2 watts, 3450 lm
R02M = 2ft fixture, 144 LEDs @ 700mA, 54.4 watts, 6590 lm
R03L = 3ft fixture, 216 LEDs @ 350mA, 40.8 watts, 5174 lm
R03M = 3ft fixture, 216 LEDs @ 700mA, 81.6 watts, 9884 lm
R04L = 4ft fixture, 288 LEDs @ 350mA, 81.6 watts, 6900 lm
R04M = 4ft fixture, 288 LEDs @ 700mA, 108.6 watts, 13178 lm
R05L = 5ft fixture, 360 LEDs @ 350mA, 68.0 watts, 8624 lm
R05M = 5ft fixture, 360 LEDs @ 700mA, 135.8 watts, 16474 lm
R06L = 6ft fixture, 432 LEDs @ 350mA, 81.6 watts, 10350 lm
R06M = 6ft fixture, 432 LEDs @ 700mA, 163.0 watts, 19768 lm
R07L = 7ft fixture, 504 LEDs @ 350mA, 95.2 watts, 12074 lm
R07M = 7ft fixture, 504 LEDs @ 700mA, 190.2 watts, 23062 lm
R08L = 8ft fixture, 576 LEDs @ 350mA, 108.6 watts, 13800 lm
R08M = 8ft fixture, 576 LEDs @ 700mA, 217.4 watts, 26358 lm
R09L = 9ft fixture, 648 LEDs @ 350mA, 122.2 watts, 15524 lm
R09M = 9ft fixture, 648 LEDs @ 700mA, 244.6 watts, 29652 lm

Based on 3000K/80+CRI. Click here for scaled performance table.

Note: Other drive currents are available, consult factory.

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
3 = 347V	**K** = 347V

*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
0K = 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
30 = 3000K, 80+ CRI
35 = 3500K, 80+ CRI
40 = 4000K, 80+ CRI

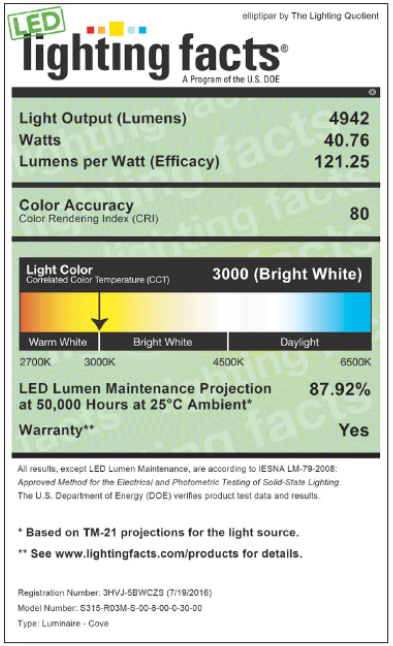
Note: Additional CCT and CRI options are available; consult factory.

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



3ft/108 LEDs @ 700mA, 1647 lm/ft (3000K/ 80+CRI) shown, refers to a single head of the dual-head fixture

elliptipar with LED

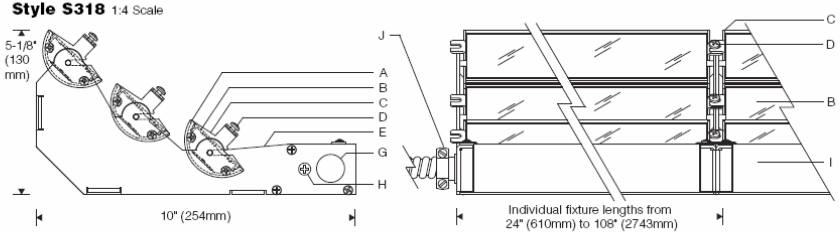
elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

Lighting the Ceiling

Small triple linear concealed, integral driver — Solid State (LED)

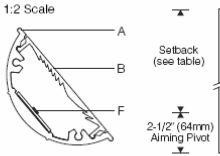
Style S318

Style S318 1:4 Scale

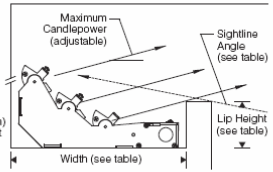


Optical Assembly

1:2 Scale



Cove 1:8 Scale



Cove Dimensions

(maximum candlepower aimed 15° above horizontal)

	0° (horiz. cutoff)	5°	10°
Sightline			
Width *(inside)*	19" (483mm)	14-1/4" (362mm)	11-1/4" (286mm)
Lip *(inside)*	5-1/8" (130mm)	3-7/8" (98mm)	3" (76mm)
Setback	Recommended minimum: 18" (457mm)		

Note: Finish interior of cove matte white for best results.

Specifications

A Serviceable extruded aluminum heat sink/housings

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E Aluminum side arm with adjustable mounting tab (fasteners by others)

F Constant current LED board

G Conduit entry (one each end, conduit and connections by others)

H Driver/housing joiner screw (one per fixture)

I Extruded aluminum driver housing and driver

J Supply conduit and connectors by others

Housing and Optic Assembly:

Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens. Extruded aluminum driver housing and removable cover.

Finish:

Optic assembly – bright anodized aluminum.
Side arms and driver compartment – mill finish aluminum.
All 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 locations.
5 year warranty, maximum ambient temperature 45°C (113°F).

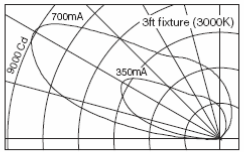
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assemblies*
- *Integral driver with optional pre-wired harness*

SC 21.0

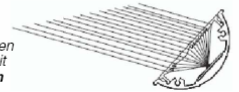
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



8/16

elliptipar® with LED

To Order

Style S318

Project:

Type:

To form a Catalog Number

S 3 1 8 - R _ _ _ - S - 0 0 - _ _ _ - _ _ - _ _ - _ _ _ - _ _

1 2 3 4 5 6 7 8 9 10

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed triple head LED, integral driver

3 Drive Current/Length/No. of LEDs

Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L = 2ft fixture, 216 LEDs @ 350mA, 40.8 watts, 5175 lm
R02M = 2ft fixture, 216 LEDs @ 700mA, 81.6 watts, 9885 lm
R03L = 3ft fixture, 324 LEDs @ 350mA, 61.2 watts, 7761 lm
R03M = 3ft fixture, 324 LEDs @ 700mA, 122.4 watts, 14826 lm
R04L = 4ft fixture, 432 LEDs @ 350mA, 81.6 watts, 10350 lm
R04M = 4ft fixture, 432 LEDs @ 700mA, 162.9 watts, 19767 lm
R05L = 5ft fixture, 540 LEDs @ 350mA, 102.0 watts, 12936 lm
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R06M = 6ft fixture, 648 LEDs @ 700mA, 244.5 watts, 29652 lm
R07L = 7ft fixture, 756 LEDs @ 350mA, 142.8 watts, 18111 lm
R07M = 7ft fixture, 756 LEDs @ 700mA, 285.3 watts, 34593 lm
R08L = 8ft fixture, 864 LEDs @ 350mA, 162.9 watts, 20700 lm
R08M = 8ft fixture, 864 LEDs @ 700mA, 326.1 watts, 39537 lm
R09L = 9ft fixture, 972 LEDs @ 350mA, 183.3 watts, 23286 lm
R09M = 9ft fixture, 972 LEDs @ 700mA, 366.9 watts, 44478 lm

Based on 3000K/80+CRI. **Click here** for scaled performance table.

Note: Other drive currents are available, consult factory.

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
3 = 347V	**K** = 347V

*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
0K = Modular through-wire harness with quick connectors

8 Destination Requirement

0 = UL listed or CSA certified for U.S.
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9 Color Temperature

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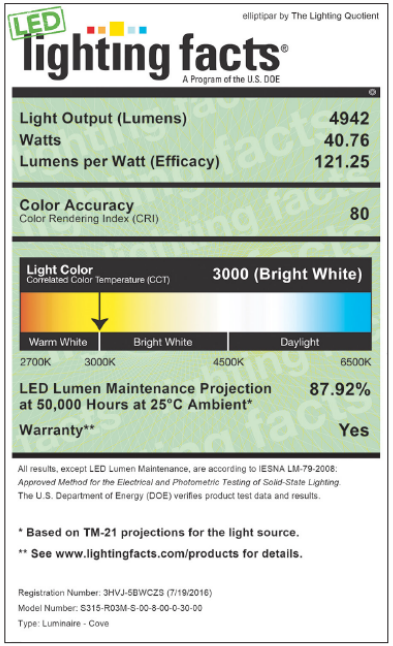
LH = Lutron A-Series 120-277V input, dimming range 100%-1%, Lutron 3-wire dimming (controls by others)
EL = eldoLED SOLOdrive 120-277V input, 0-10V analog gamma corrected dimming 100%-0.1% power (controls by others)
ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

**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.



3ft/108 LEDs @ 700mA, 1647 lm/ft (3000K/ 80+CRI) shown, refers to a single head of the triple-head fixture

elliptipar with LED

elliptipar *from* **The Lighting Quotient**
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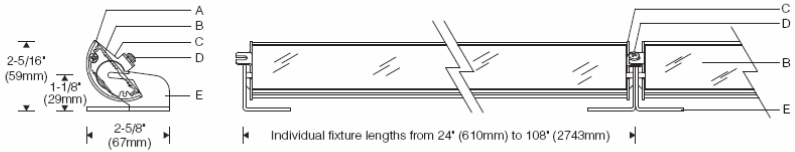
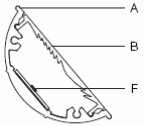
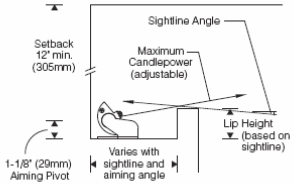
Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Remote Driver
See remote LED driver document MA-1357 for dimensions and wiring, mounting instructions.

Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E L-shaped mounting feet, one pair per optical assembly (fasteners by others)

F Constant current LED board

Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens.

Finish:
Optic assembly – bright anodized aluminum.
Mounting feet – mill finish aluminum.
All 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. 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).

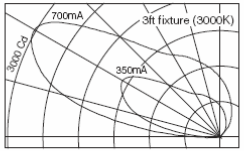
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Remote driver – ideal for MRI applications or where access to fixture is difficult*

SC 17.0

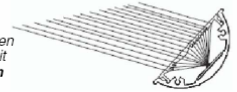
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

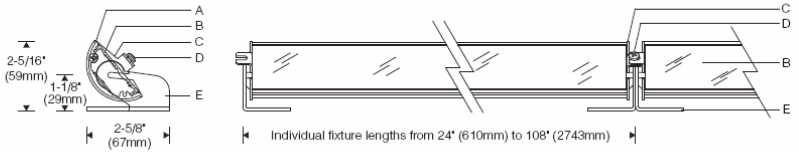
For photometric and lumen maintenance reports, visit ***thelightingquotient.com***

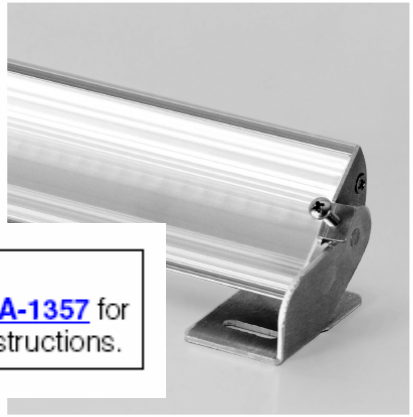


LED lighting facts LED Product Partner

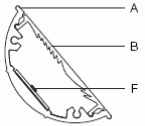
elliptipar with LED

Style S314 1:4 Scale

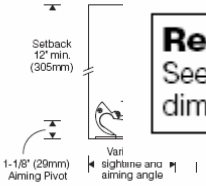




Optical Assembly 1:2 Scale



Cove



Remote Driver
See remote LED driver document MA-1357 for dimensions and wiring, mounting instructions.

Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E L-shaped mounting feet, one pair per optical assembly (fasteners by others)

F Constant current LED board

Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens.

Finish:
Optic assembly – bright anodized aluminum.
Mounting feet – mill finish aluminum.
All 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. 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).

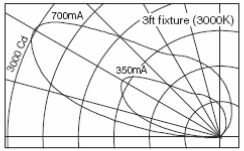
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Remote driver – ideal for MRI applications or where access to fixture is difficult*

SC 17.0

Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

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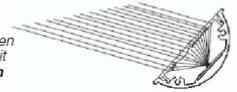
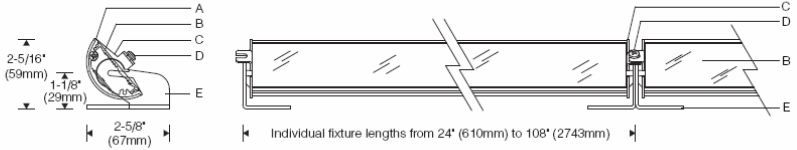


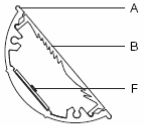
LED lighting facts LED Product Partner

elliptipar with LED

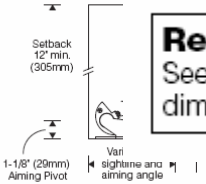
Style S314 1:4 Scale



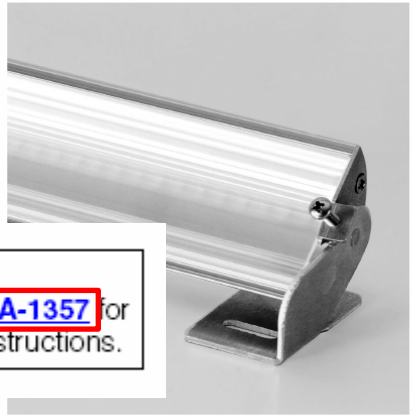
Optical Assembly 1:2 Scale



Cove



Remote Driver
See remote LED driver document MA-1357 for dimensions and wiring, mounting instructions.



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E L-shaped mounting feet, one pair per optical assembly (fasteners by others)

F Constant current LED board

Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens.

Finish:
Optic assembly – bright anodized aluminum.
Mounting feet – mill finish aluminum.
All 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. 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).

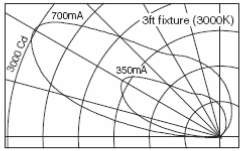
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Remote driver – ideal for MRI applications or where access to fixture is difficult*

SC 17.0

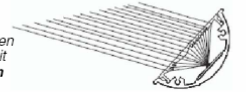
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



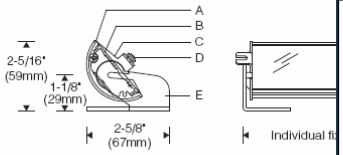
LED lighting facts LED Product Partner

elliptipar with LED

Lighting the Ceiling

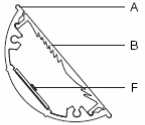
Small linear conce

Style S314 1:4 Scale

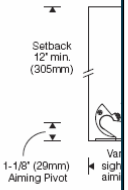


Individual fi

Optical Assembly 1:2 Scale



Cove



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

C Stainless ste with interlock

D Rotation lock locking set s

Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior h anodized for maximum emissivity. Stainless steel end Extruded acrylic refractive semi-diffuse asymmetric b shaping lens.

Finish:
Optic assembly – bright anodized aluminum.
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mounting tabs can b wall mounted (fasteners by others). Luminaires can be individually or joined together to form a continuous row assembly aiming is adjustable and is fixed in position rotation locking screws at each side arm. When mount continuous row, assemblies lock together allowing all to be aimed together.

8/16

RCDI

Remote LED Driver

WARNING - RISK OF FIRE AND ELECTRIC SHOCK. THIS PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY.

CAUTION - BE SURE POWER IS DISCONNECTED PRIOR TO WIRING.

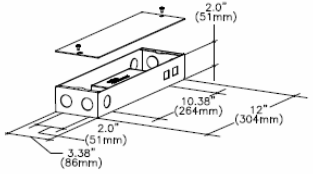
INSTALL IN ACCORDANCE WITH ALL N.E.C. AND LOCAL ELECTRICAL CODES.

MOUNTING AND WIRING INSTRUCTIONS:

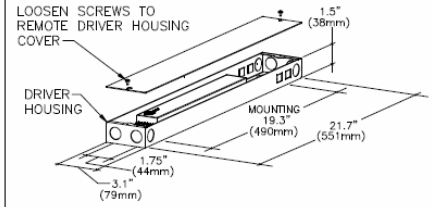
1. INSTALL LUMINAIRE PER INSTRUCTION SHEET PROVIDED WITH LUMINAIRE
2. LOOSEN SCREW AND REMOVE DRIVER HOUSING COVER.
   NOTE: FOR MRI APPLICATIONS, INSTALL MRI FILTER (BY OTHERS) ON EACH DRIVER OUTPUT.
3. ESTABLISH REMOTE LOCATION FOR DRIVER HOUSING(S) AND FASTEN IN PLACE.
4. RUN SUPPLY TO REMOVE DRIVER(S) AND MAKE SUPPLY CONNECTIONS (BLACK TO LINE, WHITE TO NEUTRAL, GREEN TO GROUND).
5. RUN CORD(S) FROM FIXITURE TO REMOTE DRIVER(S)
6. INSTALL CONNECTOR TO CORD PER MA-1333
7. MATCH CURRENT RATING ON WIRE LABEL TO LABEL ON REMOTE DRIVER PORT (EXAMPLE: 700mA CORD TO 700mA PORT) AND PLUG WIRE INTO PORT
8. REINSTALL DRIVER COVER(S) AND TIGHTEN SCREWS.

REMOTE DRIVER HOUSING FOR DRY LOCATION

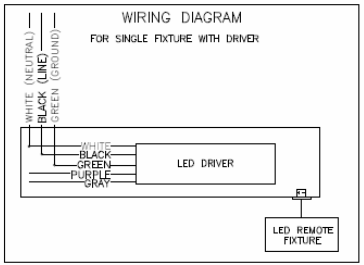
SMALL CASE

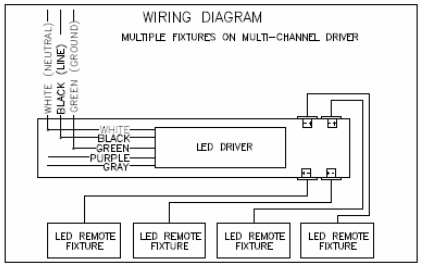


LARGE CASE



WRING INSTRUCTIONS





SAVE THESE INSTRUCTIONS FOR FUTURE USE.

MA-1357 C

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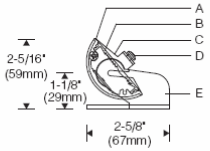
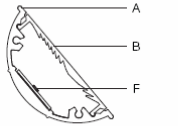
114 BOSTON POST ROAD/WEST HAVEN/CONNECTICUT/06516 203-931-4455

Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

Optic Assembly:
Extruded aluminum heat sink/optic h
anodized for maximum emissivity. S
Extruded acrylic refractive semi-diffu
shaping lens.

Finish:
Optic assembly – bright anodized a
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mo
wall mounted (fasteners by others). L
individually or joined together to form
assembly aiming is adjustable and is
rotation locking screws at each side
continuous row, assemblies lock toge
to be aimed together.

SC 17.1

To Order

Style S314

To form a Catalog Number

S 3 1 4 - R ___ - S - 0 0 - ___ - ___ - ___ - ___ - ___

1 2 3 4 5 6 7 8 9 10

Project: _____ Type: _____

1 Source
S = Solid state (LED)

2 Style
314 = Small linear concealed LED with remote driver

3 Drive Current/Length/No. of LEDs
Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M =	9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.
Note: Other drive currents are available, consult factory.

4 Mounting
S = Mounting feet (2 per fixture)

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	**35** =	3500K, 80+ CRI
30 =	3000K, 80+ CRI	**40** =	4000K, 80+ 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
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)
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).
ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others
Note: ED is **not** suitable for MRI use (**0M** option).

**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
S314-R09M-S-00-M-00-0-30-ZX

Small concealed LED, 9 foot long (2.74m) luminaire driven at 700mA. Anodized aluminum housing, mill finish mounting feet and remote driver enclosure. 120-277V input, 0-10V analog dimming controls by others, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

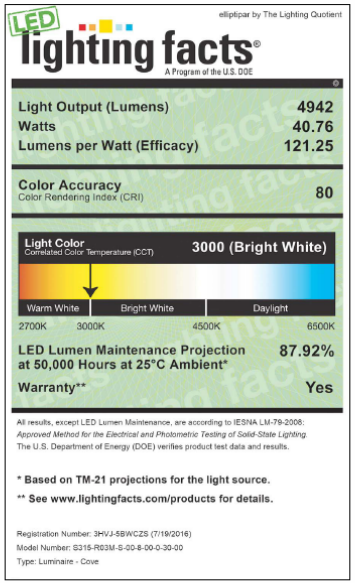
elliptipar with LED

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.

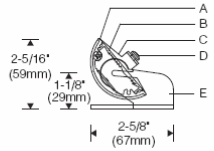
AXC0810 = Accessory extension cord, black jacket 20AWG, 10' long with plug and socket quick connectors at each end.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >

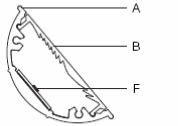


LIGHT QUOTIENT

Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

Optic Assembly:
Extruded aluminum heat sink/optic h
anodized for maximum emissivity. S
Extruded acrylic refractive semi-diffu
shaping lens.

Finish:
Optic assembly – bright anodized a
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mo
wall mounted (fasteners by others). L
individually or joined together to form
assembly aiming is adjustable and is
rotation locking screws at each side
continuous row, assemblies lock toge
to be aimed together.

Project: Type:

To form a Catalog Number

S	3	1	4	-	R				-	S	-	0	0	-		-		-		-		-	
1		2			3					4		5		6		7		8		9		10	

1 Source

S = Solid state (LED)

2 Style

314 = Small linear concealed LED with remote driver

3 Drive Current/Length/No. of LEDs

Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M =	9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.

Note: Other drive currents are available, consult factory.

SC 17.1

4 Mounting

S = Mounting feet (2 per fixture)

5 Finish

00 = Anodized optical housing/he
and remote driver enclosure;
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 **35** = 3500K, 80+ CRI

30 = 3000K, 80+ CRI **40** = 4000K, 80+ 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

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)

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).

ED = eldoLED SOLOdrive 120-277V input, dimming range

****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.

S314-R09M-S-00-M-00-0-30-ZX

Small concealed LED, 9 foot long (2.74m) luminaire driven at 700mA. Anodized aluminum housing, mill finish mounting feet and remote driver enclosure. 120-277V input, 0-10V analog dimming controls by others, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

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114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

elliptipar with LED

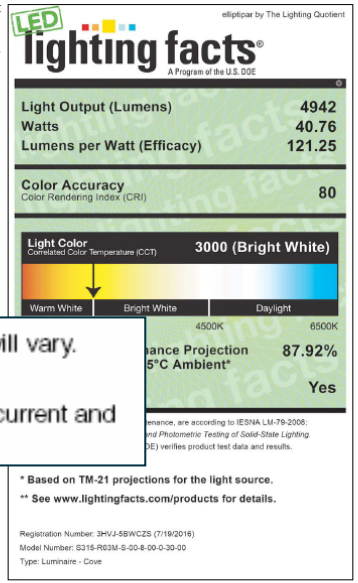
Accessories

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.

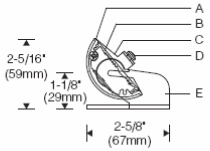
3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >



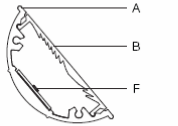
LIGHT QUOTIENT

Lighting the Ceiling

Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

Optic Assembly:
Extruded aluminum heat sink/optic h
anodized for maximum emissivity. S
Extruded acrylic refractive semi-diffu
shaping lens.

Finish:
Optic assembly – bright anodized a
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mo
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individually or joined together to form
assembly aiming is adjustable and is
rotation locking screws at each side
continuous row, assemblies lock toge
to be aimed together.

8/16

To Order

Style S314

Project:

Type:

To form a Catalog Number

S 3 1 4 - R ___ - S - 0 0 - ___ - ___ - ___ - ___ - ___

1 2 3 4 5 6 7 8 9 10

1 Source
S = Solid state (LED)

2 Style
314 = Small linear concealed LED with remote driver

3 Drive Current/Length/No. of LEDs
Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
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R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M =	9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.
Note: Other drive currents are available, consult factory.

SC 17.1

4 Mounting
S = Mounting feet (2 per fixture)

5 Finish
00 = Anodized optical housing/he
and remote driver enclosure;
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)
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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.
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27 = 2700K, 80+ CRI **35** = 3500K, 80+ CRI
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Note: Additional CCT and CRI options are available; consult factory.

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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
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)
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).
ED = eldoLED SOLOdrive 120-277V input, dimming range

**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.

S314-R09M-S-00-M-00-0-30-ZX

Small concealed LED, 9 foot long (2.74m) luminaire driven at 700mA. Anodized aluminum housing, mill finish mounting feet and remote driver enclosure. 120-277V input, 0-10V analog dimming controls by others, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
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8/16

elliptipar with LED

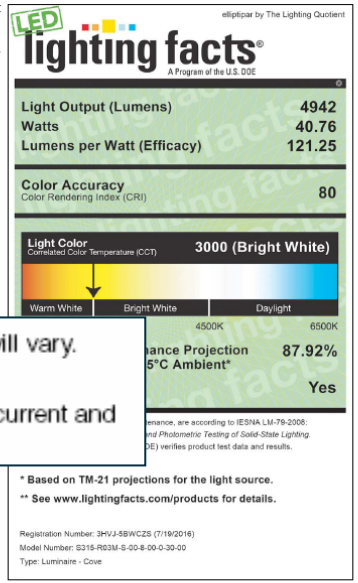
Accessories

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.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >



LIGHT QUOTIENT

LED Dimming Drivers and Controls

elliptipar LED luminaires use high power factor constant current drivers. The table below provides driver information as well as links to the manufacturer's website. The dimming code in the catalog number determines the manufacturer and type of dimming driver used. For example: In this catalog number S305-R06M-S-00-T-00-0-30-TE-A the dimming code "TE" designates a GE/LighTech dimming driver which is compatible with reverse phase/ELV/Trailing Edge controls.

Dimming Code	Driver Manufacturer	Driver Model Numbers	Dims to % Power	Dimming Interface Type	Compatible Controls
00	Non-Dimming	N/A	N/A	N/A	N/A
TE	GE/LighTech	66871 66902 66884 66904	10%	ELV/Reverse Phase/ Trailing Edge	Lutron ELV Leviton ELV
EL	eldoLED	SL0561M2 SL1061M1	0.1%	0-10V	Click here
ZX	Thomas Research Universal	LED-20W D700C30UNVTW D10CC55UNVTW D21CC80UNVTW	10% 1%	0-10V	Click here
LH L3	Lutron A-Series	L3DA4U1UMN L3DA4U1UKN	1% 1%	3-wire Lutron 4-wire EcoSystem	Click here Click here

Not all dimming drivers are available for each luminaire style (based on driver size and case configuration).

LED Drivers – Remote Distance

When remote mounting drivers, the allowable distance varies by the drive current and size of the wire. The table below shows maximum distance in feet (meters) based on 700mA drive current.

Dimming Code	Driver Manufacturer	Driver Model Numbers	Remote Distance #18 AWG	Remote Distance #16 AWG	Remote Distance #12 AWG
00	Non-Dimming	N/A	30 ft (9m)	30 ft (9m)	30 ft (9m)
TE	GE/LighTech	66871 66902 66884 66904	30 ft (9m)	30 ft (9m)	30 ft (9m)
EL	eldoLED	SL0561M2 SL1061M1	72 ft (22m)	118 ft (36m)	118 ft (36m)
ZX	Thomas Research Universal	LED-20W D700C30UNVTW D10CC55UNVTW D21CC80UNVTW	112 ft (34m)	178 ft (54m)	283 ft (86m)
L3	Lutron A-Series	L3DA4U1UMN L3DA4U1UKN	30 ft (9m)	35 ft (10.5m)	100 ft (30m)
LH	Lutron A-Series	L3DA4U1UMN L3DA4U1UKN	30 ft (9m)	35 ft (10.5m)	100 ft (30m)

LED Drivers – Minimum Starting Temperatures

GE/LighTech (00, TE)	eldoLED (EL)	0-10V Analog (ZX)	Lutron (L3, LH)
-25°C (-13°F)	-20°C (-4°F)	-40°C (-40°F)	-0°C (+32°F)

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THE LIGHTING QUOTIENT™

Type:

ee Accessories Section for specifications)

MRI medical facility. MRI filters (by others)
output of each remote driver. Consult factory
cification.

ion Requirement

CSA certified for U.S.
CSA certified for Canada

mperature

CRI **35** = 3500K, 80+ CRI
CRI **40** = 4000K, 80+ CRI

T and CRI options are available; consult factory.

**

ng
e voltage dimming 100-10% power (trailing
se phase, ELV dimming controls by others)
g dimming 120-277V input, dimming range
0-10V controls by others
ries 120-277V input, dimming range
Lutron EcoBus dimming (controls by others)
ries 120-277V input, dimming range
Lutron 3-wire dimming (controls by others)
LOdrive 120-277V input, 0-10V analog gamma
imming 100%-0.1% power (controls by others)
not suitable for MRI use (**0M** option).
LOdrive 120-277V input, dimming range

% power input, % light output will vary.
on document **MA-1303**
aries with number of LEDs, drive current and

R09M-S-00-M-00-0-30-ZX

LED, 9 foot long (2.74m) luminaire driven at
aluminum housing, mill finish mounting feet
enclosure. 120-277V input, 0-10V analog
by others, UL listed or CSA certified for U.S.,
K/80+ CRI.

Lighting Quotient
ad, West Haven, Connecticut 06516, USA
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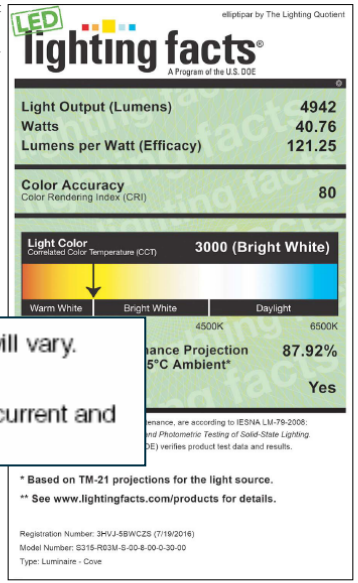
Accessories

Order separately. See Accessories Section for specifications.

AMR02810 = 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.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >



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LED Dimming Drivers and Controls

elliptipar LED luminaires use high power factor constant current drivers. The table below provides driver information as well as links to the manufacturer's website. The dimming code in the catalog number determines the manufacturer and type of dimming driver used. For example: In this catalog number S305-R06M-S-00-T-00-0-30-TE-A the dimming code "TE" designates a GE/LighTech dimming driver which is compatible with reverse phase/ELV/Trailing Edge controls.

Dimming Code	Driver Manufacturer	Driver Model Numbers	Dims to % Power	Dimming Interface Type	Compatible Controls
00	Non-Dimming	N/A	N/A	N/A	N/A
TE	GE/LighTech	66871 66902 66884 66904	10%	ELV/Reverse Phase/ Trailing Edge	Lutron ELV Leviton ELV
EL	eldoLED	SL0561M2 SL1061M1	0.1%	0-10V	Click here
ZX	Thomas Research Universal	LED-20W D700C30UNVTW D10CC55UNVTW D21CC80UNVTW	10% 1%	0-10V	Click here
LH L3	Lutron A-Series	L3DA4U1UMN L3DA4U1UKN	1% 1%	3-wire Lutron 4-wire EcoSystem	Click here Click here

Not all dimming drivers are available for each luminaire style (based on driver size and case configuration).

LED Drivers – Remote Distance

When remote mounting drivers, the allowable distance varies by the drive current and size of the wire. The table below shows maximum distance in feet (meters) based on 700mA drive current.

Dimming Code	Driver Manufacturer	Driver Model Numbers	Remote Distance #18 AWG	Remote Distance #16 AWG	Remote Distance #12 AWG
00	Non-Dimming	N/A	30 ft (9m)	30 ft (9m)	30 ft (9m)
TE	GE/LighTech	66871 66902 66884 66904	30 ft (9m)	30 ft (9m)	30 ft (9m)
EL	eldoLED	SL0561M2 SL1061M1	72 ft (22m)	118 ft (36m)	118 ft (36m)
ZX	Thomas Research Universal	LED-20W D700C30UNVTW D10CC55UNVTW D21CC80UNVTW	112 ft (34m)	178 ft (54m)	283 ft (86m)
L3	Lutron A-Series	L3DA4U1UMN L3DA4U1UKN	30 ft (9m)	35 ft (10.5m)	100 ft (30m)
LH	Lutron A-Series	L3DA4U1UMN L3DA4U1UKN	30 ft (9m)	35 ft (10.5m)	100 ft (30m)

LED Drivers – Minimum Starting Temperatures

GE/LighTech (00, TE)	eldoLED (EL)	0-10V Analog (ZX)	Lutron (L3, LH)
-25°C (-13°F)	-20°C (-4°F)	-40°C (-40°F)	-0°C (+32°F)

D21CC80UNVTW-D

2100mA LED Driver w/ Constant Power Tuning

- Universal (120-277V) Input Voltage
- Class 2, 80W Constant Current Output
- 0-10V Dimming

Performance	
Input Voltage	120 ~ 277 Vac
Input Current Max	0.77 /120V 0.33/277V
Input Power Max	93W
Input Frequency	50 - 60 (Hz)
Power Factor*	> 0.95
THD max*	< 20 %
Output Voltage (See Power Curve Chart)	17V to 38V @ 2.1Amps 17V to 56V @ 1.4Amps
Max. Output Current	2100mA
Min Dimming Current	35mA
Output Power	80W
Line Regulation	±3 %
Load Regulation	±5 %
Output Current Ripple	<10% (Pk-Pk/avg)
Inrush Current Peak / >50% Duration	120V: 18A / 65uS 277V: 32A / 30uS

* Refer to charts for additional information
- Harmonic Emissions comply with ANSI C82.77
- Inrush current complies with NEMA 410

Environmental	
EMI and RFI	Meets FCC part 15 (Class A) Non-Consumer Limits
Min. Operating Temperature	-40°C (-40°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
tc	85°C (185°F) max
Protection Rating	UL Dry & Damp
Transient Protection	IEEE C62.41 2.5kV/2.5kV

Physical	
Length	16.88 in (428.7 mm)
Width	1.25 in (31.8 mm)
Height	1.00 in (25.4 mm)
Mounting Length	16.28 in (413.5 mm)
Weight (lbs)	1.25
Wire Trap / Plug-in Connectors for 18 AWG Solid Wire	

Protection:
Short Circuit and Open Circuit

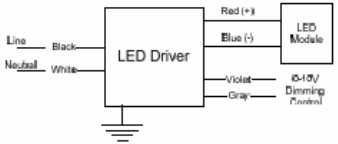
Safety:
UL 8750 & CSA 250.13-12
Type TL

Ordering Information

Order Number	Description	Qty/Carton
D21CC80UNVTW-D10C	Standard Product	10

*Consult Factory for Tuning ordering information

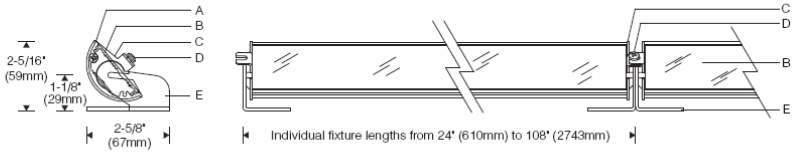
Wiring Diagram:



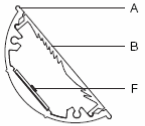
EVERLINE

Application and operation performance specification information subject to change without notification.

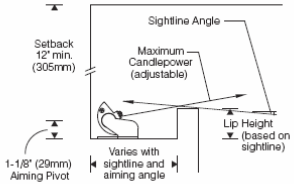
Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Remote Driver
See remote LED driver document MA-1357 for dimensions and wiring, mounting instructions.

Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E L-shaped mounting feet, one pair per optical assembly (fasteners by others)

F Constant current LED board

Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens.

Finish:
Optic assembly – bright anodized aluminum.
Mounting feet – mill finish aluminum.
All 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. 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).

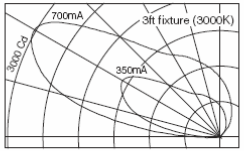
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Remote driver – ideal for MRI applications or where access to fixture is difficult*

SC 17.0

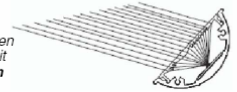
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

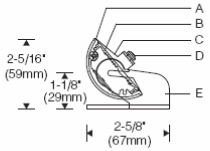
For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



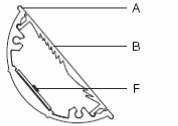
LED lighting facts LED Product Partner

elliptipar with LED

Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

Optic Assembly:
Extruded aluminum heat sink/optic h
anodized for maximum emissivity. S
Extruded acrylic refractive semi-diffu
shaping lens.

Finish:
Optic assembly – bright anodized a
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mo
wall mounted (fasteners by others). L
individually or joined together to form
assembly aiming is adjustable and is
rotation locking screws at each side
continuous row, assemblies lock toge
to be aimed together.

SC 17.1

To Order

Style S314

To form a Catalog Number

S 3 1 4 - R ___ - S - 0 0 - ___ - ___ - ___ - ___ - ___

1 2 3 4 5 6 7 8 9 10

Project: _____ Type: _____

1 Source
S = Solid state (LED)

2 Style
314 = Small linear concealed LED with remote driver

3 Drive Current/Length/No. of LEDs
Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M =	9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.
Note: Other drive currents are available, consult factory.

4 Mounting
S = Mounting feet (2 per fixture)

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	**35** =	3500K, 80+ CRI
30 =	3000K, 80+ CRI	**40** =	4000K, 80+ 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
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)
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).
ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others
Note: ED is **not** suitable for MRI use (**0M** option).

**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
S314-R09M-S-00-M-00-0-30-ZX

Small concealed LED, 9 foot long (2.74m) luminaire driven at 700mA. Anodized aluminum housing, mill finish mounting feet and remote driver enclosure. 120-277V input, 0-10V analog dimming controls by others, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

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Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

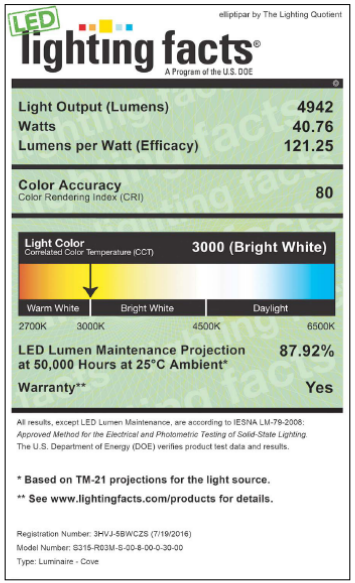
elliptipar with LED

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.

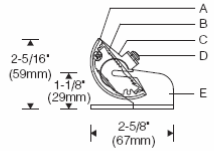
AXC0810 = Accessory extension cord, black jacket 20AWG, 10' long with plug and socket quick connectors at each end.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >

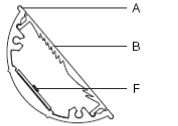


LIGHT QUOTIENT

Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

Optic Assembl
Extruded alumi
anodized for m
Extruded acryli
shaping lens.

Finish:
Optic assembly – bright anodized a
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mo
wall mounted (fasteners by others). L
individually or joined together to form
assembly aiming is adjustable and is
rotation locking screws at each side
continuous row, assemblies lock toge
to be aimed together.

8/16

To Order

Style S314

To form a Catalog Number

S 3 1 4 - R ___ - S - 0 0 - ___ - ___ - ___ - ___ - ___

1 2 3 4 5 6 7 8 9 10

1 Source
S = Solid state (LED)

2 Style
314 = Small linear concealed LED with remote driver

3 Drive Current/Length/No. of LEDs
Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm

SC 17.1

Based on 3000K/80+CRI. Click here for scaled performance table.

Note: Other drive currents are available, consult factory.

4 Mounting
S = Mounting feet (2 per fixture)

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

elliptipar with LED

8/16

Project:

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 **35** = 3500K, 80+ CRI

30 = 3000K, 80+ CRI **40** = 4000K, 80+ 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

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 [illegible] 3-wire dimming (controls by others)
[illegible]ive 120-277V input, 0-10V analog gamma
[illegible]g 100%-0.1% power (controls by others)
[illegible]uitable for MRI use (**0M** option).

[illegible]ive 120-277V input, dimming range 100%-0.1%, DALI controls by others
Note: ED is **not** suitable for MRI use (**0M** option).

**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
S314-R09M-S-00-M-00-0-30-ZX

Small concealed LED, 9 foot long (2.74m) luminaire driven at 700mA. Anodized aluminum housing, mill finish mounting feet and remote driver enclosure. 120-277V input, 0-10V analog dimming controls by others, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

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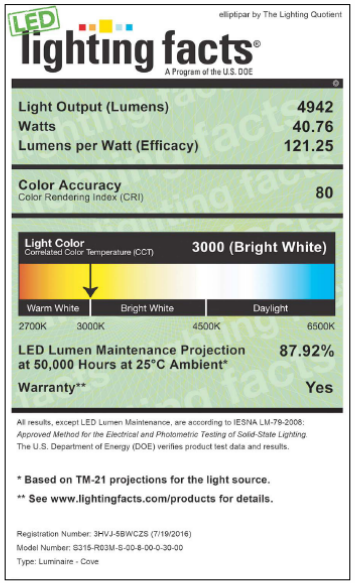
Type:

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.

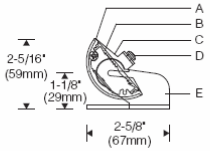
AXC0810 = Accessory extension cord, black jacket 20AWG, 10' long with plug and socket quick connectors at each end.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >

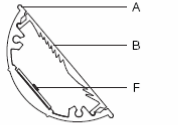


LIGHT QUOTIENT

Style S314 1:4 Scale



Optical Assembly 1:2 Scale



Specifications

A Serviceable extruded aluminum heat sink/housing

B Extruded acrylic beam shaping lens

Optic Assembl
Extruded alumi
anodized for m
Extruded acryli
shaping lens.

Finish:
Optic assembly – bright anodized a
Mounting feet – mill finish aluminum.
All hardware – stainless steel.

Mounting:
Lay-in installation, side arms with mo
wall mounted (fasteners by others). L
individually or joined together to form
assembly aiming is adjustable and is
rotation locking screws at each side
continuous row, assemblies lock toge
to be aimed together.

8/16

To Order

Style S314

To form a Catalog Number

S	3	1	4	-	R				-	S	-	0	0	-		-		-		-		-	
1		2			3					4		5		6		7		8		9		10	

Project:

Type:

1 Source

S = Solid state (LED)

2 Style

314 = Small linear concealed LED with remote driver

3 Drive Current/Length/No. of LEDs

Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L =	2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M =	2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03L =	3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M =	3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04L =	4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M =	4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05L =	5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M =	5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06L =	6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M =	6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07L =	7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M =	7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08L =	8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M =	8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09L =	9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm

SC 17.1

Based on 3000K/80+CRI, Click here for scaled performance table.
Note: Other drive currents are available, consult factory.

4 Mounting

S = Mounting feet (2 per fixture)

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	**35** = 3500K, 80+ CRI
30 = 3000K, 80+ CRI	**40** = 4000K, 80+ 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

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 [illegible] 3-wire dimming (controls by others)
[illegible]ive 120-277V input, 0-10V analog gamma
[illegible]g 100%-0.1% power (controls by others)
[illegible]uitable for MRI use (**0M** option).

[illegible]ive 120-277V input, dimming range 100%-0.1%, DALI controls by others
Note: ED is **not** suitable for MRI use (**0M** option).

**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

S314-R09M-S-00-M-00-0-30-ZX

Small concealed LED, 9 foot long (2.74m) luminaire driven at 700mA. Anodized aluminum housing, mill finish mounting feet and remote driver enclosure. 120-277V input, 0-10V analog dimming controls by others, UL listed or CSA certified for U.S., dry location. 3000K/80+ CRI.

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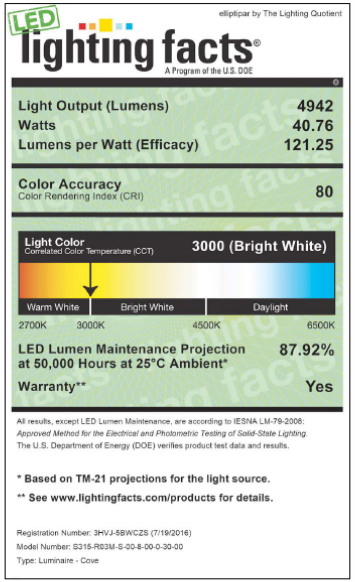
Accessories

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.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >



LIGHT QUOTIENT

Scaled Performance Tables

elliptipar S314

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Catalog Number	Length	# LEDs	Lumens Out	Lumens Per Ft	Input Watts	Efficacy (LM/W)	Drive Current	Rated CCT	Rated CRI
S314-R02L-*-**-*-**-*-27-00	2FT	72	1619	810	13.6	119.2	350mA	2700K	80+
S314-R02L-*-**-*-**-*-30-00	2FT	72	1725	862	13.6	127.0	350mA	3000K	80+
S314-R02L-*-**-*-**-*-35-00	2FT	72	1812	906	13.6	133.3	350mA	3500K	80+
S314-R02L-*-**-*-**-*-40-00	2FT	72	1861	931	13.6	137.0	350mA	4000K	80+
S314-R02M-*-**-*-**-*-27-00	2FT	72	3090	1545	27.2	113.7	700mA	2700K	80+
S314-R02M-*-**-*-**-*-30-00	2FT	72	3295	1647	27.2	121.2	700mA	3000K	80+
S314-R02M-*-**-*-**-*-35-00	2FT	72	3475	1737	27.2	127.9	700mA	3500K	80+
S314-R02M-*-**-*-**-*-40-00	2FT	72	3555	1778	27.2	130.8	700mA	4000K	80+
S314-R03L-*-**-*-**-*-27-00	3FT	108	2429	810	20.4	119.2	350mA	2700K	80+
S314-R03L-*-**-*-**-*-30-00	3FT	108	2587	862	20.4	127.0	350mA	3000K	80+
S314-R03L-*-**-*-**-*-35-00	3FT	108	2718	906	20.4	133.3	350mA	3500K	80+
S314-R03L-*-**-*-**-*-40-00	3FT	108	2792	931	20.4	137.0	350mA	4000K	80+
S314-R03M-*-**-*-**-*-27-00	3FT	108	4635	1545	40.8	113.7	700mA	2700K	80+
S314-R03M-*-**-*-**-*-30-00	3FT	108	4942	1647	40.8	121.2	700mA	3000K	80+
S314-R03M-*-**-*-**-*-35-00	3FT	108	5212	1737	40.8	127.9	700mA	3500K	80+
S314-R03M-*-**-*-**-*-40-00	3FT	108	5333	1778	40.8	130.8	700mA	4000K	80+
S314-R04L-*-**-*-**-*-27-00	4FT	144	3239	810	27.2	119.2	350mA	2700K	80+
S314-R04L-*-**-*-**-*-30-00	4FT	144	3450	862	27.2	127.0	350mA	3000K	80+
S314-R04L-*-**-*-**-*-35-00	4FT	144	3624	906	27.2	133.3	350mA	3500K	80+
S314-R04L-*-**-*-**-*-40-00	4FT	144	3723	931	27.2	137.0	350mA	4000K	80+
S314-R04M-*-**-*-**-*-27-00	4FT	144	6180	1545	54.3	113.7	700mA	2700K	80+
S314-R04M-*-**-*-**-*-30-00	4FT	144	6589	1647	54.3	121.2	700mA	3000K	80+
S314-R04M-*-**-*-**-*-35-00	4FT	144	6949	1737	54.3	127.9	700mA	3500K	80+
S314-R04M-*-**-*-**-*-40-00	4FT	144	7111	1778	54.3	130.8	700mA	4000K	80+
S314-R05L-*-**-*-**-*-27-00	5FT	180	4049	810	34.0	119.2	350mA	2700K	80+
S314-R05L-*-**-*-**-*-30-00	5FT	180	4312	862	34.0	127.0	350mA	3000K	80+
S314-R05L-*-**-*-**-*-35-00	5FT	180	4529	906	34.0	133.3	350mA	3500K	80+
S314-R05L-*-**-*-**-*-40-00	5FT	180	4653	931	34.0	137.0	350mA	4000K	80+
S314-R05M-*-**-*-**-*-27-00	5FT	180	7725	1545	67.9	113.7	700mA	2700K	80+
S314-R05M-*-**-*-**-*-30-00	5FT	180	8237	1647	67.9	121.2	700mA	3000K	80+
S314-R05M-*-**-*-**-*-35-00	5FT	180	8687	1737	67.9	127.9	700mA	3500K	80+
S314-R05M-*-**-*-**-*-40-00	5FT	180	8888	1778	67.9	130.8	700mA	4000K	80+

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ect:

Type:

-

10

Option (See Accessories Section for specifications)

= No options
= For use in MRI medical facility. MRI filters (by others) required on output of each remote driver. Consult factory prior to specification.

Destination Requirement

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

Color Temperature

= 2700K, 80+ CRI **35** = 3500K, 80+ CRI
= 3000K, 80+ CRI **40** = 4000K, 80+ CRI

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

Dimming**

= Non-dimming
= LighTech line voltage dimming 100-10% power (trailing edge, reverse phase, ELV dimming controls by others)
= 0-10V analog dimming 120-277V input, dimming range 100%-5%, 0-10V controls by others
= Lutron A-Series 120-277V input, dimming range 100%-1%, Lutron EcoBus dimming (controls by others)
= Lutron A-Series 120-277V input, dimming range [illegible] 3-wire dimming (controls by others)
[illegible]ive 120-277V input, 0-10V analog gamma [illegible]g 100%-0.1% power (controls by others)
[illegible]uitable for MRI use (**0M** option).
[illegible]ive 120-277V input, dimming range 100%-0.1%, DALI controls by others
Note: ED is **not** suitable for MRI use (**0M** option).

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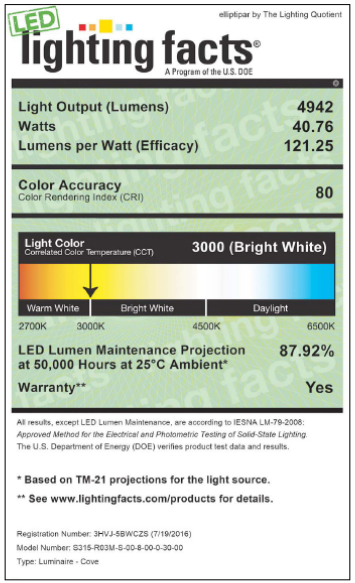
3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >



Certain products illustrated may be covered by applicable patents and patents pending. These specifications supersede all prior publications and are subject to change without notice.

LIGHT
QUOTIENT

Scaled Perfor

elliptipa

Catalog Number	L
S314-R02L-*-**-*-**-*-27-00	
S314-R02L-*-**-*-**-*-30-00	
S314-R02L-*-**-*-**-*-35-00	
S314-R02L-*-**-*-**-*-40-00	
S314-R02M-*-**-*-**-*-27-00	
S314-R02M-*-**-*-**-*-30-00	
S314-R02M-*-**-*-**-*-35-00	
S314-R02M-*-**-*-**-*-40-00	
S314-R03L-*-**-*-**-*-27-00	
S314-R03L-*-**-*-**-*-30-00	
S314-R03L-*-**-*-**-*-35-00	
S314-R03L-*-**-*-**-*-40-00	
S314-R03M-*-**-*-**-*-27-00	
S314-R03M-*-**-*-**-*-30-00	
S314-R03M-*-**-*-**-*-35-00	
S314-R03M-*-**-*-**-*-40-00	
S314-R04L-*-**-*-**-*-27-00	
S314-R04L-*-**-*-**-*-30-00	
S314-R04L-*-**-*-**-*-35-00	
S314-R04L-*-**-*-**-*-40-00	
S314-R04M-*-**-*-**-*-27-00	
S314-R04M-*-**-*-**-*-30-00	
S314-R04M-*-**-*-**-*-35-00	
S314-R04M-*-**-*-**-*-40-00	
S314-R05L-*-**-*-**-*-27-00	
S314-R05L-*-**-*-**-*-30-00	
S314-R05L-*-**-*-**-*-35-00	
S314-R05L-*-**-*-**-*-40-00	
S314-R05M-*-**-*-**-*-27-00	
S314-R05M-*-**-*-**-*-30-00	
S314-R05M-*-**-*-**-*-35-00	
S314-R05M-*-**-*-**-*-40-00	

elliptipar with LED

Scaled Performance Tables

elliptipar **S315**

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THE LIGHTING QUOTIENT

Catalog Number	Length	# LEDs	Lumens Out	Lumens Per Ft	Input Watts	Efficacy (LM/W)	Drive Current	Rated CCT	Rated CRI
S315-R02L-*-**-*-**-*-27-00	2FT	72	1619	810	13.6	119.2	350mA	2700K	80+
S315-R02L-*-**-*-**-*-30-00	2FT	72	1725	862	13.6	127.0	350mA	3000K	80+
S315-R02L-*-**-*-**-*-35-00	2FT	72	1812	906	13.6	133.3	350mA	3500K	80+
S315-R02L-*-**-*-**-*-40-00	2FT	72	1861	931	13.6	137.0	350mA	4000K	80+
S315-R02M-*-**-*-**-*-27-00	2FT	72	3090	1545	27.2	113.7	700mA	2700K	80+
S315-R02M-*-**-*-**-*-30-00	2FT	72	3295	1647	27.2	121.2	700mA	3000K	80+
S315-R02M-*-**-*-**-*-35-00	2FT	72	3475	1737	27.2	127.9	700mA	3500K	80+
S315-R02M-*-**-*-**-*-40-00	2FT	72	3555	1778	27.2	130.8	700mA	4000K	80+
S315-R03L-*-**-*-**-*-27-00	3FT	108	2429	810	20.4	119.2	350mA	2700K	80+
S315-R03L-*-**-*-**-*-30-00	3FT	108	2587	862	20.4	127.0	350mA	3000K	80+
S315-R03L-*-**-*-**-*-35-00	3FT	108	2718	906	20.4	133.3	350mA	3500K	80+
S315-R03L-*-**-*-**-*-40-00	3FT	108	2792	931	20.4	137.0	350mA	4000K	80+
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S315-R03M-*-**-*-**-*-40-00	3FT	108	5333	1778	40.8	130.8	700mA	4000K	80+
S315-R04L-*-**-*-**-*-27-00	4FT	144	3239	810	27.2	119.2	350mA	2700K	80+
S315-R04L-*-**-*-**-*-30-00	4FT	144	3450	862	27.2	127.0	350mA	3000K	80+
S315-R04L-*-**-*-**-*-35-00	4FT	144	3624	906	27.2	133.3	350mA	3500K	80+
S315-R04L-*-**-*-**-*-40-00	4FT	144	3723	931	27.2	137.0	350mA	4000K	80+
S315-R04M-*-**-*-**-*-27-00	4FT	144	6180	1545	54.3	113.7	700mA	2700K	80+
S315-R04M-*-**-*-**-*-30-00	4FT	144	6589	1647	54.3	121.2	700mA	3000K	80+
S315-R04M-*-**-*-**-*-35-00	4FT	144	6949	1737	54.3	127.9	700mA	3500K	80+
S315-R04M-*-**-*-**-*-40-00	4FT	144	7111	1778	54.3	130.8	700mA	4000K	80+
S315-R05L-*-**-*-**-*-27-00	5FT	180	4049	810	34.0	119.2	350mA	2700K	80+
S315-R05L-*-**-*-**-*-30-00	5FT	180	4312	862	34.0	127.0	350mA	3000K	80+
S315-R05L-*-**-*-**-*-35-00	5FT	180	4529	906	34.0	133.3	350mA	3500K	80+
S315-R05L-*-**-*-**-*-40-00	5FT	180	4653	931	34.0	137.0	350mA	4000K	80+
S315-R05M-*-**-*-**-*-27-00	5FT	180	7725	1545	67.9	113.7	700mA	2700K	80+
S315-R05M-*-**-*-**-*-30-00	5FT	180	8237	1647	67.9	121.2	700mA	3000K	80+
S315-R05M-*-**-*-**-*-35-00	5FT	180	8687	1737	67.9	127.9	700mA	3500K	80+
S315-R05M-*-**-*-**-*-40-00	5FT	180	8888	1778	67.9	130.8	700mA	4000K	80+

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Style S314

Type:

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s (by others)
. Consult factory

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power (trailing
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drive current and

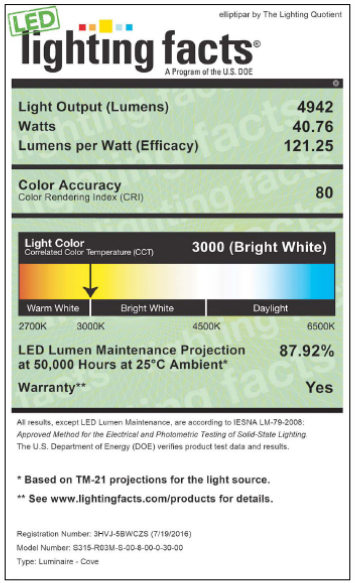
Accessories

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.

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/ 80+CRI) shown >



30-ZX

inaire driven at
h mounting feet
0-10V analog
certified for U.S.,

6516, USA
tingquotient.com

LIGHT

QUOTIENT

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Catalog Number	
S314-R02L-*-**-*-**-*-27-00	
S314-R02L-*-**-*-**-*-30-00	
S314-R02L-*-**-*-**-*-35-00	
S314-R02L-*-**-*-**-*-40-00	
S314-R02M-*-**-*-**-*-27-00	
S314-R02M-*-**-*-**-*-30-00	
S314-R02M-*-**-*-**-*-35-00	
S314-R02M-*-**-*-**-*-40-00	
S314-R03L-*-**-*-**-*-27-00	
S314-R03L-*-**-*-**-*-30-00	
S314-R03L-*-**-*-**-*-35-00	
S314-R03L-*-**-*-**-*-40-00	
S314-R03M-*-**-*-**-*-27-00	
S314-R03M-*-**-*-**-*-30-00	
S314-R03M-*-**-*-**-*-35-00	
S314-R03M-*-**-*-**-*-40-00	
S314-R04L-*-**-*-**-*-27-00	
S314-R04L-*-**-*-**-*-30-00	
S314-R04L-*-**-*-**-*-35-00	
S314-R04L-*-**-*-**-*-40-00	
S314-R04M-*-**-*-**-*-27-00	
S314-R04M-*-**-*-**-*-30-00	
S314-R04M-*-**-*-**-*-35-00	
S314-R04M-*-**-*-**-*-40-00	
S314-R05L-*-**-*-**-*-27-00	
S314-R05L-*-**-*-**-*-30-00	
S314-R05L-*-**-*-**-*-35-00	
S314-R05L-*-**-*-**-*-40-00	
S314-R05M-*-**-*-**-*-27-00	
S314-R05M-*-**-*-**-*-30-00	
S314-R05M-*-**-*-**-*-35-00	
S314-R05M-*-**-*-**-*-40-00	

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Catalog Number	
S315-R02L-*-**-*-**-*-27-00	
S315-R02L-*-**-*-**-*-30-00	
S315-R02L-*-**-*-**-*-35-00	
S315-R02L-*-**-*-**-*-40-00	
S315-R02M-*-**-*-**-*-27-00	
S315-R02M-*-**-*-**-*-30-00	
S315-R02M-*-**-*-**-*-35-00	
S315-R02M-*-**-*-**-*-40-00	
S315-R03L-*-**-*-**-*-27-00	
S315-R03L-*-**-*-**-*-30-00	
S315-R03L-*-**-*-**-*-35-00	
S315-R03L-*-**-*-**-*-40-00	
S315-R03M-*-**-*-**-*-27-00	
S315-R03M-*-**-*-**-*-30-00	
S315-R03M-*-**-*-**-*-35-00	
S315-R03M-*-**-*-**-*-40-00	
S315-R04L-*-**-*-**-*-27-00	
S315-R04L-*-**-*-**-*-30-00	
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S315-R04M-*-**-*-**-*-40-00	
S315-R05L-*-**-*-**-*-27-00	
S315-R05L-*-**-*-**-*-30-00	
S315-R05L-*-**-*-**-*-35-00	
S315-R05L-*-**-*-**-*-40-00	
S315-R05M-*-**-*-**-*-27-00	
S315-R05M-*-**-*-**-*-30-00	
S315-R05M-*-**-*-**-*-35-00	
S315-R05M-*-**-*-**-*-40-00	

elliptipar with LED

Scaled Performance Tables

elliptipar **S316**

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THE LIGHTING QUOTIENT

Catalog Number	Length	# LEDs	Lumens Out	Lumens Per Ft	Input Watts	Efficacy (LM/W)	Drive Current	Rated CCT	Rated CRI
S316-R02L-*-**-*-**-*-27-00	2FT	72	1619	810	13.6	119.2	350mA	2700K	80+
S316-R02L-*-**-*-**-*-30-00	2FT	72	1725	862	13.6	127.0	350mA	3000K	80+
S316-R02L-*-**-*-**-*-35-00	2FT	72	1812	906	13.6	133.3	350mA	3500K	80+
S316-R02L-*-**-*-**-*-40-00	2FT	72	1861	931	13.6	137.0	350mA	4000K	80+
S316-R02M-*-**-*-**-*-27-00	2FT	72	3090	1545	27.2	113.7	700mA	2700K	80+
S316-R02M-*-**-*-**-*-30-00	2FT	72	3295	1647	27.2	121.2	700mA	3000K	80+
S316-R02M-*-**-*-**-*-35-00	2FT	72	3475	1737	27.2	127.9	700mA	3500K	80+
S316-R02M-*-**-*-**-*-40-00	2FT	72	3555	1778	27.2	130.8	700mA	4000K	80+
S316-R03L-*-**-*-**-*-27-00	3FT	108	2429	810	20.4	119.2	350mA	2700K	80+
S316-R03L-*-**-*-**-*-30-00	3FT	108	2587	862	20.4	127.0	350mA	3000K	80+
S316-R03L-*-**-*-**-*-35-00	3FT	108	2718	906	20.4	133.3	350mA	3500K	80+
S316-R03L-*-**-*-**-*-40-00	3FT	108	2792	931	20.4	137.0	350mA	4000K	80+
S316-R03M-*-**-*-**-*-27-00	3FT	108	4635	1545	40.8	113.7	700mA	2700K	80+
S316-R03M-*-**-*-**-*-30-00	3FT	108	4942	1647	40.8	121.2	700mA	3000K	80+
S316-R03M-*-**-*-**-*-35-00	3FT	108	5212	1737	40.8	127.9	700mA	3500K	80+
S316-R03M-*-**-*-**-*-40-00	3FT	108	5333	1778	40.8	130.8	700mA	4000K	80+
S316-R04L-*-**-*-**-*-27-00	4FT	144	3239	810	27.2	119.2	350mA	2700K	80+
S316-R04L-*-**-*-**-*-30-00	4FT	144	3450	862	27.2	127.0	350mA	3000K	80+
S316-R04L-*-**-*-**-*-35-00	4FT	144	3624	906	27.2	133.3	350mA	3500K	80+
S316-R04L-*-**-*-**-*-40-00	4FT	144	3723	931	27.2	137.0	350mA	4000K	80+
S316-R04M-*-**-*-**-*-27-00	4FT	144	6180	1545	54.3	113.7	700mA	2700K	80+
S316-R04M-*-**-*-**-*-30-00	4FT	144	6589	1647	54.3	121.2	700mA	3000K	80+
S316-R04M-*-**-*-**-*-35-00	4FT	144	6949	1737	54.3	127.9	700mA	3500K	80+
S316-R04M-*-**-*-**-*-40-00	4FT	144	7111	1778	54.3	130.8	700mA	4000K	80+
S316-R05L-*-**-*-**-*-27-00	5FT	180	4049	810	34.0	119.2	350mA	2700K	80+
S316-R05L-*-**-*-**-*-30-00	5FT	180	4312	862	34.0	127.0	350mA	3000K	80+
S316-R05L-*-**-*-**-*-35-00	5FT	180	4529	906	34.0	133.3	350mA	3500K	80+
S316-R05L-*-**-*-**-*-40-00	5FT	180	4653	931	34.0	137.0	350mA	4000K	80+
S316-R05M-*-**-*-**-*-27-00	5FT	180	7725	1545	67.9	113.7	700mA	2700K	80+
S316-R05M-*-**-*-**-*-30-00	5FT	180	8237	1647	67.9	121.2	700mA	3000K	80+
S316-R05M-*-**-*-**-*-35-00	5FT	180	8687	1737	67.9	127.9	700mA	3500K	80+
S316-R05M-*-**-*-**-*-40-00	5FT	180	8888	1778	67.9	130.8	700mA	4000K	80+

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114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

Style S314

Accessories
ns.
ory Magnetic
nce imaging filter.
uctor up to 5 amps,
tion > 100dB
to 10GHz).
e filter required
te driver – consult factory for
of drivers required per luminaire.

ry extension cord, black jacket 20AWG,
socket quick connectors at each end.

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ting facts®
A Program of the U.S. DOE

ut (Lumens) 4942
r Watt (Efficacy) 40.76
121.25
racy
ndex (CRI) 80

mperature (CCT) 3000 (Bright White)
Bright White | Daylight
0K 4500K 6500K

Maintenance Projection 87.92%
urs at 25°C Ambient* Yes

Lumen Maintenance, are according to IESNA LM-79-2008:
the Electrical and Photometric Testing of Solid-State Lighting.
of Energy (DOE) verifies product test data and results.

-21 projections for the light source.
htingfacts.com/products for details.

3HVJ-5BWCZS (7/19/2016)
-R03M-S-00-8-00-0-30-00

LIGHT

QUOTIENT®

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Catalog Number	L
S314-R02L-*-**-*-**-*-27-00	
S314-R02L-*-**-*-**-*-30-00	
S314-R02L-*-**-*-**-*-35-00	
S314-R02L-*-**-*-**-*-40-00	
S314-R02M-*-**-*-**-*-27-00	
S314-R02M-*-**-*-**-*-30-00	
S314-R02M-*-**-*-**-*-35-00	
S314-R02M-*-**-*-**-*-40-00	
S314-R03L-*-**-*-**-*-27-00	
S314-R03L-*-**-*-**-*-30-00	
S314-R03L-*-**-*-**-*-35-00	
S314-R03L-*-**-*-**-*-40-00	
S314-R03M-*-**-*-**-*-27-00	
S314-R03M-*-**-*-**-*-30-00	
S314-R03M-*-**-*-**-*-35-00	
S314-R03M-*-**-*-**-*-40-00	
S314-R04L-*-**-*-**-*-27-00	
S314-R04L-*-**-*-**-*-30-00	
S314-R04L-*-**-*-**-*-35-00	
S314-R04L-*-**-*-**-*-40-00	
S314-R04M-*-**-*-**-*-27-00	
S314-R04M-*-**-*-**-*-30-00	
S314-R04M-*-**-*-**-*-35-00	
S314-R04M-*-**-*-**-*-40-00	
S314-R05L-*-**-*-**-*-27-00	
S314-R05L-*-**-*-**-*-30-00	
S314-R05L-*-**-*-**-*-35-00	
S314-R05L-*-**-*-**-*-40-00	
S314-R05M-*-**-*-**-*-27-00	
S314-R05M-*-**-*-**-*-30-00	
S314-R05M-*-**-*-**-*-35-00	
S314-R05M-*-**-*-**-*-40-00	

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Catalog Number	L
S315-R02L-*-**-*-**-*-27-00	
S315-R02L-*-**-*-**-*-30-00	
S315-R02L-*-**-*-**-*-35-00	
S315-R02L-*-**-*-**-*-40-00	
S315-R02M-*-**-*-**-*-27-00	
S315-R02M-*-**-*-**-*-30-00	
S315-R02M-*-**-*-**-*-35-00	
S315-R02M-*-**-*-**-*-40-00	
S315-R03L-*-**-*-**-*-27-00	
S315-R03L-*-**-*-**-*-30-00	
S315-R03L-*-**-*-**-*-35-00	
S315-R03L-*-**-*-**-*-40-00	
S315-R03M-*-**-*-**-*-27-00	
S315-R03M-*-**-*-**-*-30-00	
S315-R03M-*-**-*-**-*-35-00	
S315-R03M-*-**-*-**-*-40-00	
S315-R04L-*-**-*-**-*-27-00	
S315-R04L-*-**-*-**-*-30-00	
S315-R04L-*-**-*-**-*-35-00	
S315-R04L-*-**-*-**-*-40-00	
S315-R04M-*-**-*-**-*-27-00	
S315-R04M-*-**-*-**-*-30-00	
S315-R04M-*-**-*-**-*-35-00	
S315-R04M-*-**-*-**-*-40-00	
S315-R05L-*-**-*-**-*-27-00	
S315-R05L-*-**-*-**-*-30-00	
S315-R05L-*-**-*-**-*-35-00	
S315-R05L-*-**-*-**-*-40-00	
S315-R05M-*-**-*-**-*-27-00	
S315-R05M-*-**-*-**-*-30-00	
S315-R05M-*-**-*-**-*-35-00	
S315-R05M-*-**-*-**-*-40-00	

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Catalog Number	L
S316-R02L-*-**-*-**-*-27-00	
S316-R02L-*-**-*-**-*-30-00	
S316-R02L-*-**-*-**-*-35-00	
S316-R02L-*-**-*-**-*-40-00	
S316-R02M-*-**-*-**-*-27-00	
S316-R02M-*-**-*-**-*-30-00	
S316-R02M-*-**-*-**-*-35-00	
S316-R02M-*-**-*-**-*-40-00	
S316-R03L-*-**-*-**-*-27-00	
S316-R03L-*-**-*-**-*-30-00	
S316-R03L-*-**-*-**-*-35-00	
S316-R03L-*-**-*-**-*-40-00	
S316-R03M-*-**-*-**-*-27-00	
S316-R03M-*-**-*-**-*-30-00	
S316-R03M-*-**-*-**-*-35-00	
S316-R03M-*-**-*-**-*-40-00	
S316-R04L-*-**-*-**-*-27-00	
S316-R04L-*-**-*-**-*-30-00	
S316-R04L-*-**-*-**-*-35-00	
S316-R04L-*-**-*-**-*-40-00	
S316-R04M-*-**-*-**-*-27-00	
S316-R04M-*-**-*-**-*-30-00	
S316-R04M-*-**-*-**-*-35-00	
S316-R04M-*-**-*-**-*-40-00	
S316-R05L-*-**-*-**-*-27-00	
S316-R05L-*-**-*-**-*-30-00	
S316-R05L-*-**-*-**-*-35-00	
S316-R05L-*-**-*-**-*-40-00	
S316-R05M-*-**-*-**-*-27-00	
S316-R05M-*-**-*-**-*-30-00	
S316-R05M-*-**-*-**-*-35-00	
S316-R05M-*-**-*-**-*-40-00	

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Scaled Performance Tables

elliptipar **S317**

SOLVING FOR LIGHT
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THE LIGHTING QUOTIENT

Catalog Number	Length	# LEDs	Lumens Out	Lumens Per Ft	Input Watts	Efficacy (LM/W)	Drive Current	Rated CCT	Rated CRI
S317-R02L-*-**-*-**-*-27-00	2FT	144	3238	1619	27.2	119.2	350mA	2700K	80+
S317-R02L-*-**-*-**-*-30-00	2FT	144	3450	1725	27.2	127.0	350mA	3000K	80+
S317-R02L-*-**-*-**-*-35-00	2FT	144	3624	1812	27.2	133.3	350mA	3500K	80+
S317-R02L-*-**-*-**-*-40-00	2FT	144	3722	1861	27.2	137.0	350mA	4000K	80+
S317-R02M-*-**-*-**-*-27-00	2FT	144	6180	3090	54.4	113.7	700mA	2700K	80+
S317-R02M-*-**-*-**-*-30-00	2FT	144	6590	3295	54.4	121.2	700mA	3000K	80+
S317-R02M-*-**-*-**-*-35-00	2FT	144	6950	3475	54.4	127.9	700mA	3500K	80+
S317-R02M-*-**-*-**-*-40-00	2FT	144	7110	3555	54.4	130.8	700mA	4000K	80+
S317-R03L-*-**-*-**-*-27-00	3FT	216	4858	1619	40.8	119.2	350mA	2700K	80+
S317-R03L-*-**-*-**-*-30-00	3FT	216	5174	1725	40.8	127.0	350mA	3000K	80+
S317-R03L-*-**-*-**-*-35-00	3FT	216	5436	1812	40.8	133.3	350mA	3500K	80+
S317-R03L-*-**-*-**-*-40-00	3FT	216	5584	1861	40.8	137.0	350mA	4000K	80+
S317-R03M-*-**-*-**-*-27-00	3FT	216	9270	3090	81.6	113.7	700mA	2700K	80+
S317-R03M-*-**-*-**-*-30-00	3FT	216	9884	3295	81.6	121.2	700mA	3000K	80+
S317-R03M-*-**-*-**-*-35-00	3FT	216	10424	3475	81.6	127.9	700mA	3500K	80+
S317-R03M-*-**-*-**-*-40-00	3FT	216	10666	3555	81.6	130.8	700mA	4000K	80+
S317-R04L-*-**-*-**-*-27-00	4FT	288	6478	1619	54.4	119.2	350mA	2700K	80+
S317-R04L-*-**-*-**-*-30-00	4FT	288	6900	1725	54.4	127.0	350mA	3000K	80+
S317-R04L-*-**-*-**-*-35-00	4FT	288	7248	1812	54.4	133.3	350mA	3500K	80+
S317-R04L-*-**-*-**-*-40-00	4FT	288	7446	1861	54.4	137.0	350mA	4000K	80+
S317-R04M-*-**-*-**-*-27-00	4FT	288	12360	3090	108.6	113.7	700mA	2700K	80+
S317-R04M-*-**-*-**-*-30-00	4FT	288	13178	3295	108.6	121.2	700mA	3000K	80+
S317-R04M-*-**-*-**-*-35-00	4FT	288	13898	3475	108.6	127.9	700mA	3500K	80+
S317-R04M-*-**-*-**-*-40-00	4FT	288	14222	3555	108.6	130.8	700mA	4000K	80+
S317-R05L-*-**-*-**-*-27-00	5FT	360	8098	1619	68.0	119.2	350mA	2700K	80+
S317-R05L-*-**-*-**-*-30-00	5FT	360	8624	1725	68.0	127.0	350mA	3000K	80+
S317-R05L-*-**-*-**-*-35-00	5FT	360	9058	1812	68.0	133.3	350mA	3500K	80+
S317-R05L-*-**-*-**-*-40-00	5FT	360	9306	1861	68.0	137.0	350mA	4000K	80+
S317-R05M-*-**-*-**-*-27-00	5FT	360	15450	3090	135.8	113.7	700mA	2700K	80+
S317-R05M-*-**-*-**-*-30-00	5FT	360	16474	3295	135.8	121.2	700mA	3000K	80+
S317-R05M-*-**-*-**-*-35-00	5FT	360	17374	3475	135.8	127.9	700mA	3500K	80+
S317-R05M-*-**-*-**-*-40-00	5FT	360	17776	3555	135.8	130.8	700mA	4000K	80+

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Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

LIGHT
QUOTIENT

Scaled Perfor
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Catalog Number	L
S314-R02L-*-**-*-**-*-27-00	
S314-R02L-*-**-*-**-*-30-00	
S314-R02L-*-**-*-**-*-35-00	
S314-R02L-*-**-*-**-*-40-00	
S314-R02M-*-**-*-**-*-27-00	
S314-R02M-*-**-*-**-*-30-00	
S314-R02M-*-**-*-**-*-35-00	
S314-R02M-*-**-*-**-*-40-00	
S314-R03L-*-**-*-**-*-27-00	
S314-R03L-*-**-*-**-*-30-00	
S314-R03L-*-**-*-**-*-35-00	
S314-R03L-*-**-*-**-*-40-00	
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S314-R04L-*-**-*-**-*-27-00	
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S314-R04L-*-**-*-**-*-35-00	
S314-R04L-*-**-*-**-*-40-00	
S314-R04M-*-**-*-**-*-27-00	
S314-R04M-*-**-*-**-*-30-00	
S314-R04M-*-**-*-**-*-35-00	
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S314-R05L-*-**-*-**-*-30-00	
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S314-R05M-*-**-*-**-*-30-00	
S314-R05M-*-**-*-**-*-35-00	
S314-R05M-*-**-*-**-*-40-00	

elliptipar with LED

Scaled Perfor
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Catalog Number	L
S315-R02L-*-**-*-**-*-27-00	
S315-R02L-*-**-*-**-*-30-00	
S315-R02L-*-**-*-**-*-35-00	
S315-R02L-*-**-*-**-*-40-00	
S315-R02M-*-**-*-**-*-27-00	
S315-R02M-*-**-*-**-*-30-00	
S315-R02M-*-**-*-**-*-35-00	
S315-R02M-*-**-*-**-*-40-00	
S315-R03L-*-**-*-**-*-27-00	
S315-R03L-*-**-*-**-*-30-00	
S315-R03L-*-**-*-**-*-35-00	
S315-R03L-*-**-*-**-*-40-00	
S315-R03M-*-**-*-**-*-27-00	
S315-R03M-*-**-*-**-*-30-00	
S315-R03M-*-**-*-**-*-35-00	
S315-R03M-*-**-*-**-*-40-00	
S315-R04L-*-**-*-**-*-27-00	
S315-R04L-*-**-*-**-*-30-00	
S315-R04L-*-**-*-**-*-35-00	
S315-R04L-*-**-*-**-*-40-00	
S315-R04M-*-**-*-**-*-27-00	
S315-R04M-*-**-*-**-*-30-00	
S315-R04M-*-**-*-**-*-35-00	
S315-R04M-*-**-*-**-*-40-00	
S315-R05L-*-**-*-**-*-27-00	
S315-R05L-*-**-*-**-*-30-00	
S315-R05L-*-**-*-**-*-35-00	
S315-R05L-*-**-*-**-*-40-00	
S315-R05M-*-**-*-**-*-27-00	
S315-R05M-*-**-*-**-*-30-00	
S315-R05M-*-**-*-**-*-35-00	
S315-R05M-*-**-*-**-*-40-00	

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Catalog Number	L
S316-R02L-*-**-*-**-*-27-00	
S316-R02L-*-**-*-**-*-30-00	
S316-R02L-*-**-*-**-*-35-00	
S316-R02L-*-**-*-**-*-40-00	
S316-R02M-*-**-*-**-*-27-00	
S316-R02M-*-**-*-**-*-30-00	
S316-R02M-*-**-*-**-*-35-00	
S316-R02M-*-**-*-**-*-40-00	
S316-R03L-*-**-*-**-*-27-00	
S316-R03L-*-**-*-**-*-30-00	
S316-R03L-*-**-*-**-*-35-00	
S316-R03L-*-**-*-**-*-40-00	
S316-R03M-*-**-*-**-*-27-00	
S316-R03M-*-**-*-**-*-30-00	
S316-R03M-*-**-*-**-*-35-00	
S316-R03M-*-**-*-**-*-40-00	
S316-R04L-*-**-*-**-*-27-00	
S316-R04L-*-**-*-**-*-30-00	
S316-R04L-*-**-*-**-*-35-00	
S316-R04L-*-**-*-**-*-40-00	
S316-R04M-*-**-*-**-*-27-00	
S316-R04M-*-**-*-**-*-30-00	
S316-R04M-*-**-*-**-*-35-00	
S316-R04M-*-**-*-**-*-40-00	
S316-R05L-*-**-*-**-*-27-00	
S316-R05L-*-**-*-**-*-30-00	
S316-R05L-*-**-*-**-*-35-00	
S316-R05L-*-**-*-**-*-40-00	
S316-R05M-*-**-*-**-*-27-00	
S316-R05M-*-**-*-**-*-30-00	
S316-R05M-*-**-*-**-*-35-00	
S316-R05M-*-**-*-**-*-40-00	

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Catalog Number	L
S317-R02L-*-**-*-**-*-27-00	
S317-R02L-*-**-*-**-*-30-00	
S317-R02L-*-**-*-**-*-35-00	
S317-R02L-*-**-*-**-*-40-00	
S317-R02M-*-**-*-**-*-27-00	
S317-R02M-*-**-*-**-*-30-00	
S317-R02M-*-**-*-**-*-35-00	
S317-R02M-*-**-*-**-*-40-00	
S317-R03L-*-**-*-**-*-27-00	
S317-R03L-*-**-*-**-*-30-00	
S317-R03L-*-**-*-**-*-35-00	
S317-R03L-*-**-*-**-*-40-00	
S317-R03M-*-**-*-**-*-27-00	
S317-R03M-*-**-*-**-*-30-00	
S317-R03M-*-**-*-**-*-35-00	
S317-R03M-*-**-*-**-*-40-00	
S317-R04L-*-**-*-**-*-27-00	
S317-R04L-*-**-*-**-*-30-00	
S317-R04L-*-**-*-**-*-35-00	
S317-R04L-*-**-*-**-*-40-00	
S317-R04M-*-**-*-**-*-27-00	
S317-R04M-*-**-*-**-*-30-00	
S317-R04M-*-**-*-**-*-35-00	
S317-R04M-*-**-*-**-*-40-00	
S317-R05L-*-**-*-**-*-27-00	
S317-R05L-*-**-*-**-*-30-00	
S317-R05L-*-**-*-**-*-35-00	
S317-R05L-*-**-*-**-*-40-00	
S317-R05M-*-**-*-**-*-27-00	
S317-R05M-*-**-*-**-*-30-00	
S317-R05M-*-**-*-**-*-35-00	
S317-R05M-*-**-*-**-*-40-00	

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Scaled Performance Tables
elliptipar **S318**

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Catalog Number	Length	# LEDs	Lumens Out	Lumens Per Ft	Input Watts	Efficacy (LM/W)	Drive Current	Rated CCT	Rated CRI
S318-R02L-*-**-*-**-*-27-00	2FT	216	4857	2430	40.8	119.2	350mA	2700K	80+
S318-R02L-*-**-*-**-*-30-00	2FT	216	5175	2586	40.8	127.0	350mA	3000K	80+
S318-R02L-*-**-*-**-*-35-00	2FT	216	5436	2718	40.8	133.3	350mA	3500K	80+
S318-R02L-*-**-*-**-*-40-00	2FT	216	5583	2793	40.8	137.0	350mA	4000K	80+
S318-R02M-*-**-*-**-*-27-00	2FT	216	9270	4725	81.6	113.7	700mA	2700K	80+
S318-R02M-*-**-*-**-*-30-00	2FT	216	9885	4941	81.6	121.2	700mA	3000K	80+
S318-R02M-*-**-*-**-*-35-00	2FT	216	10425	5211	81.6	127.9	700mA	3500K	80+
S318-R02M-*-**-*-**-*-40-00	2FT	216	10665	5334	81.6	130.8	700mA	4000K	80+
S318-R03L-*-**-*-**-*-27-00	3FT	324	7287	2430	61.2	119.2	350mA	2700K	80+
S318-R03L-*-**-*-**-*-30-00	3FT	324	7761	2586	61.2	127.0	350mA	3000K	80+
S318-R03L-*-**-*-**-*-35-00	3FT	324	8154	2718	61.2	133.3	350mA	3500K	80+
S318-R03L-*-**-*-**-*-40-00	3FT	324	8376	2793	61.2	137.0	350mA	4000K	80+
S318-R03M-*-**-*-**-*-27-00	3FT	324	13905	4725	122.4	113.7	700mA	2700K	80+
S318-R03M-*-**-*-**-*-30-00	3FT	324	14826	4941	122.4	121.2	700mA	3000K	80+
S318-R03M-*-**-*-**-*-35-00	3FT	324	15636	5211	122.4	127.9	700mA	3500K	80+
S318-R03M-*-**-*-**-*-40-00	3FT	324	15999	5334	122.4	130.8	700mA	4000K	80+
S318-R04L-*-**-*-**-*-27-00	4FT	432	9717	2430	81.6	119.2	350mA	2700K	80+
S318-R04L-*-**-*-**-*-30-00	4FT	432	10350	2586	81.6	127.0	350mA	3000K	80+
S318-R04L-*-**-*-**-*-35-00	4FT	432	10872	2718	81.6	133.3	350mA	3500K	80+
S318-R04L-*-**-*-**-*-40-00	4FT	432	11169	2793	81.6	137.0	350mA	4000K	80+
S318-R04M-*-**-*-**-*-27-00	4FT	432	18540	4725	162.9	113.7	700mA	2700K	80+
S318-R04M-*-**-*-**-*-30-00	4FT	432	19767	4941	162.9	121.2	700mA	3000K	80+
S318-R04M-*-**-*-**-*-35-00	4FT	432	20847	5211	162.9	127.9	700mA	3500K	80+
S318-R04M-*-**-*-**-*-40-00	4FT	432	21333	5334	162.9	130.8	700mA	4000K	80+
S318-R05L-*-**-*-**-*-27-00	5FT	540	12147	2430	102.0	119.2	350mA	2700K	80+
S318-R05L-*-**-*-**-*-30-00	5FT	540	12936	2586	102.0	127.0	350mA	3000K	80+
S318-R05L-*-**-*-**-*-35-00	5FT	540	13587	2718	102.0	133.3	350mA	3500K	80+
S318-R05L-*-**-*-**-*-40-00	5FT	540	13959	2793	102.0	137.0	350mA	4000K	80+
S318-R05M-*-**-*-**-*-27-00	5FT	540	23175	4725	203.7	113.7	700mA	2700K	80+
S318-R05M-*-**-*-**-*-30-00	5FT	540	24711	4941	203.7	121.2	700mA	3000K	80+
S318-R05M-*-**-*-**-*-35-00	5FT	540	26061	5211	203.7	127.9	700mA	3500K	80+
S318-R05M-*-**-*-**-*-40-00	5FT	540	26664	5334	203.7	130.8	700mA	4000K	80+

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Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

Mounting

4 Mounting

S = Mounting feet (2 per fixture)

Mounting

4 Mounting

S = Mounting feet (2 per fixture)


S314


S315


S318


S316


S317

Mounting

4 Mounting

S = Mounting feet (2 per fixture)


S314


S315


S318


S316


S317

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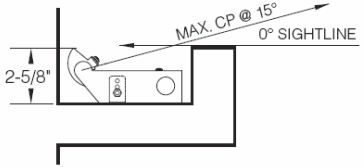
Mounting

4 Mounting

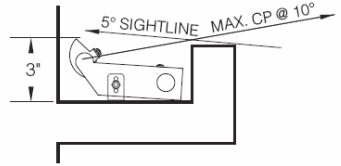
S = Mounting feet (2 per fixture)

Adjustable Mounting Feet

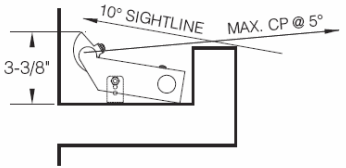
The optical assembly is adjustable and lockable, in addition, the S315 is provided with mounting feet that can raise the optical assembly to achieve lower aiming angles.



Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**



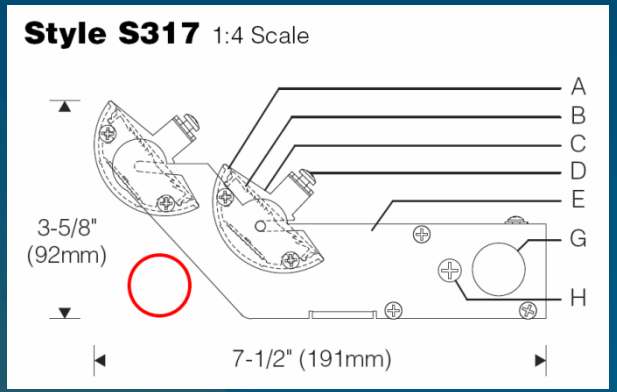
Middle position allows peak candlepower to be aimed as low as **10° above horizontal.**

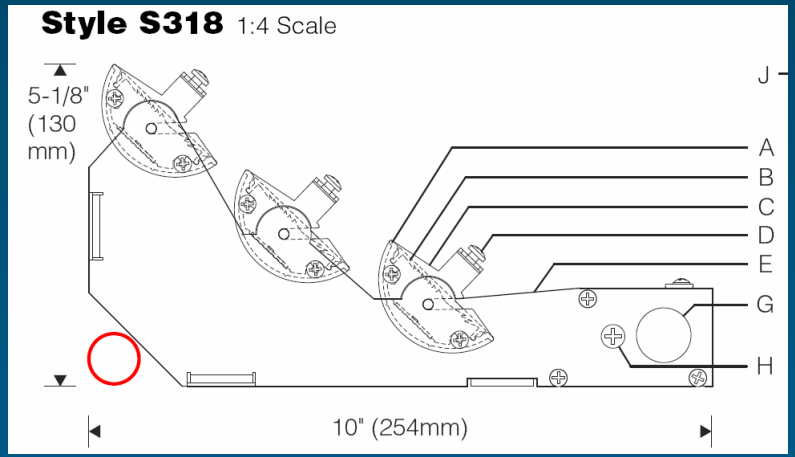


High position allows peak candlepower to be aimed as low as **5° above horizontal.**

Mounting

S317 and S318 side arms are tapered at the rear allowing conduit to run behind fixture (high power = more circuits)





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Finish

5 Finish

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

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Voltage / Driver

6 Voltage/Driver

Electronic Driver	*Electronic Dimming Driver**
8 = 120-277V	**M** = 120-277V
3 = 347V	**K** = 347V

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

Refer to Driver Information document MA-1303

Voltage / Driver

6 Voltage/Driver

Electronic Driver	*Electronic Dimming Driver**
8 = 120-277V	**M** = 120-277V
3 = 347V	**K** = 347V

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

Refer to Driver Information document MA-1303

New 347V options for Canada

Voltage / Driver

6 Voltage/Driver

Electronic Driver	*Electronic Dimming Driver**
8 = 120-277V	**M** = 120-277V
3 = 347V	**K** = 347V

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

Refer to Driver Information document MA-1303

New 347V options for Canada

S314 Options

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.

S315, S316, S317, S318 Options

7 Option (See Accessories Section for specifications)

00 = No options

0K = Modular through-wire harness with quick connectors

Destination Requirement

8 Destination Requirement

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

J = UL listed or CSA certified for Canada

Color Temperature

9 Color Temperature

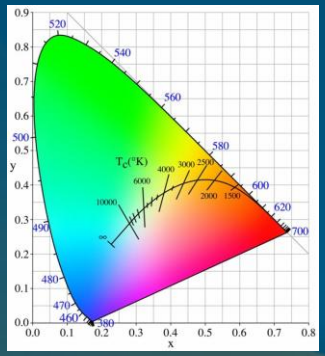
27 = 2700K, 80+ CRI

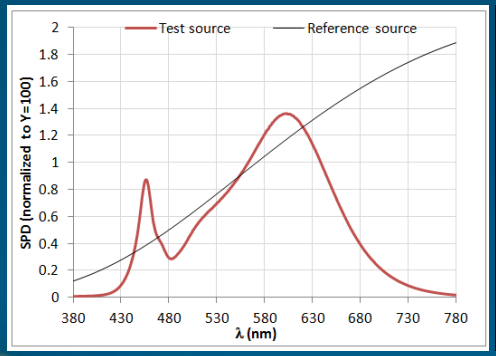
30 = 3000K, 80+ CRI

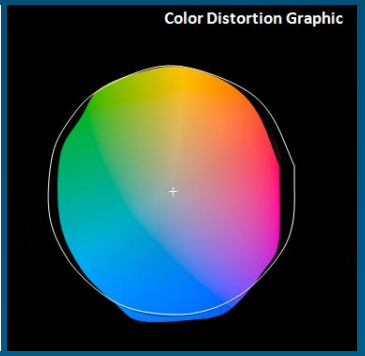
35 = 3500K, 80+ CRI

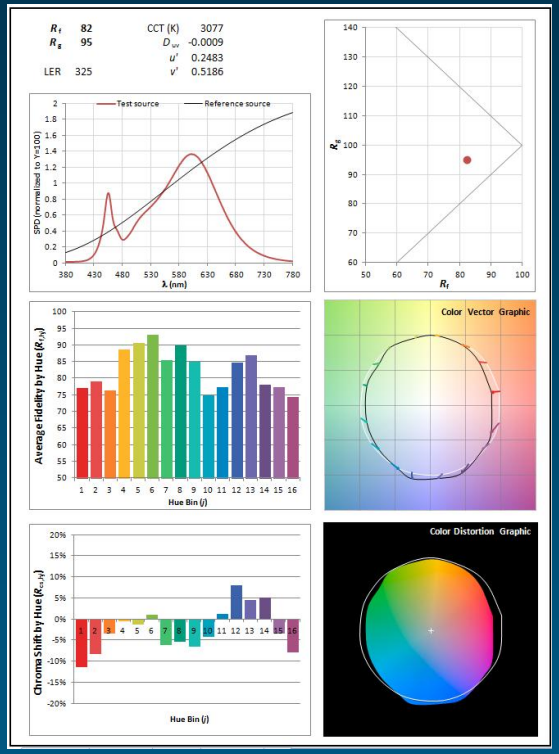
40 = 4000K, 80+ CRI

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









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Color Temperature

9 Color Temperature

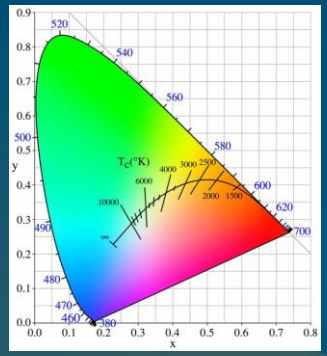
27 = 2700K, 80+ CRI

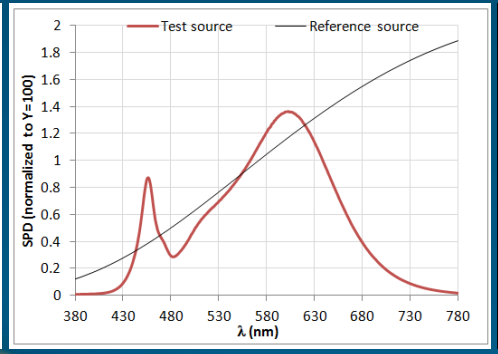
30 = 3000K, 80+ CRI

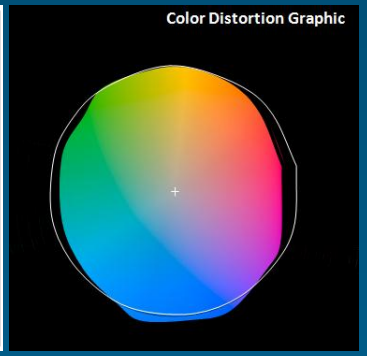
35 = 3500K, 80+ CRI

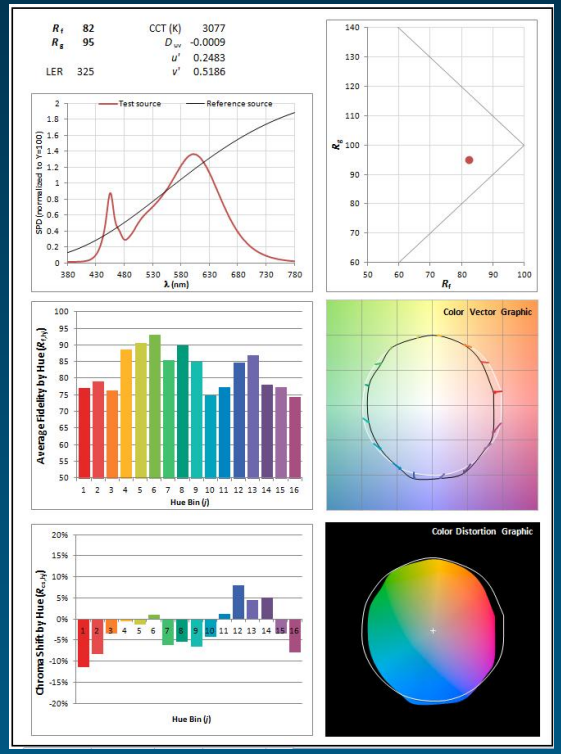
40 = 4000K, 80+ CRI

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









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Dimming

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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI 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.

Dimming

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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI 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.

Dimming

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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI 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.

Dimming

10 Dimming**

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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

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)

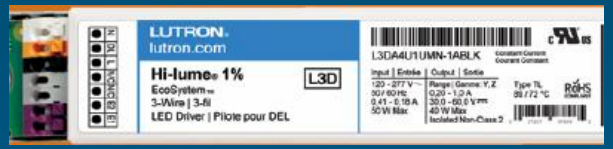
EL = eldoLED SOLOdrive 120-277V input, 0-10V analog gamma corrected dimming 100%-0.1% power (controls by others)

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI 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.



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Dimming

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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI 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.

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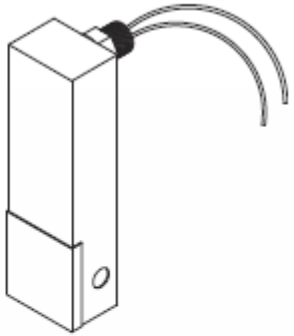
S314 Accessories

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.

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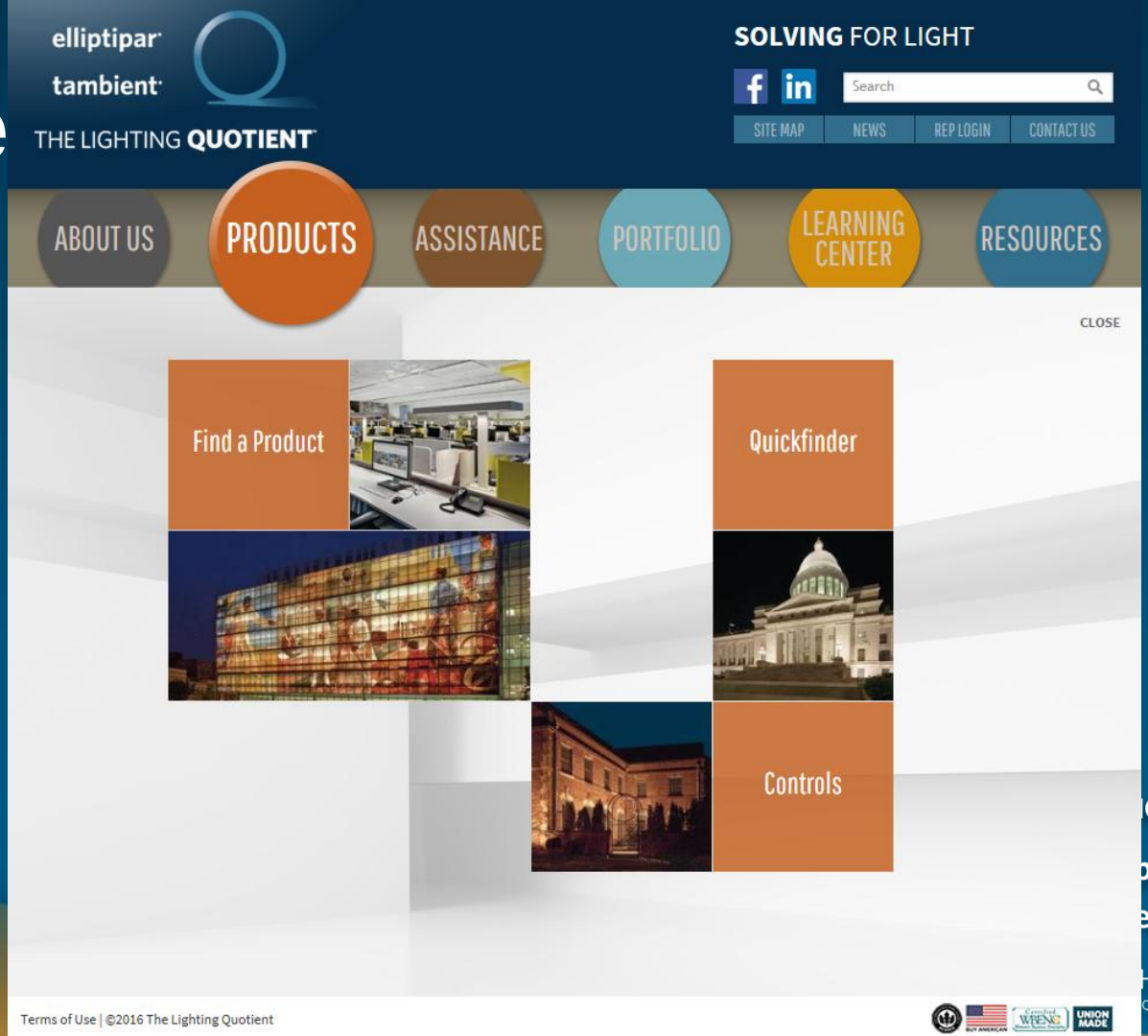
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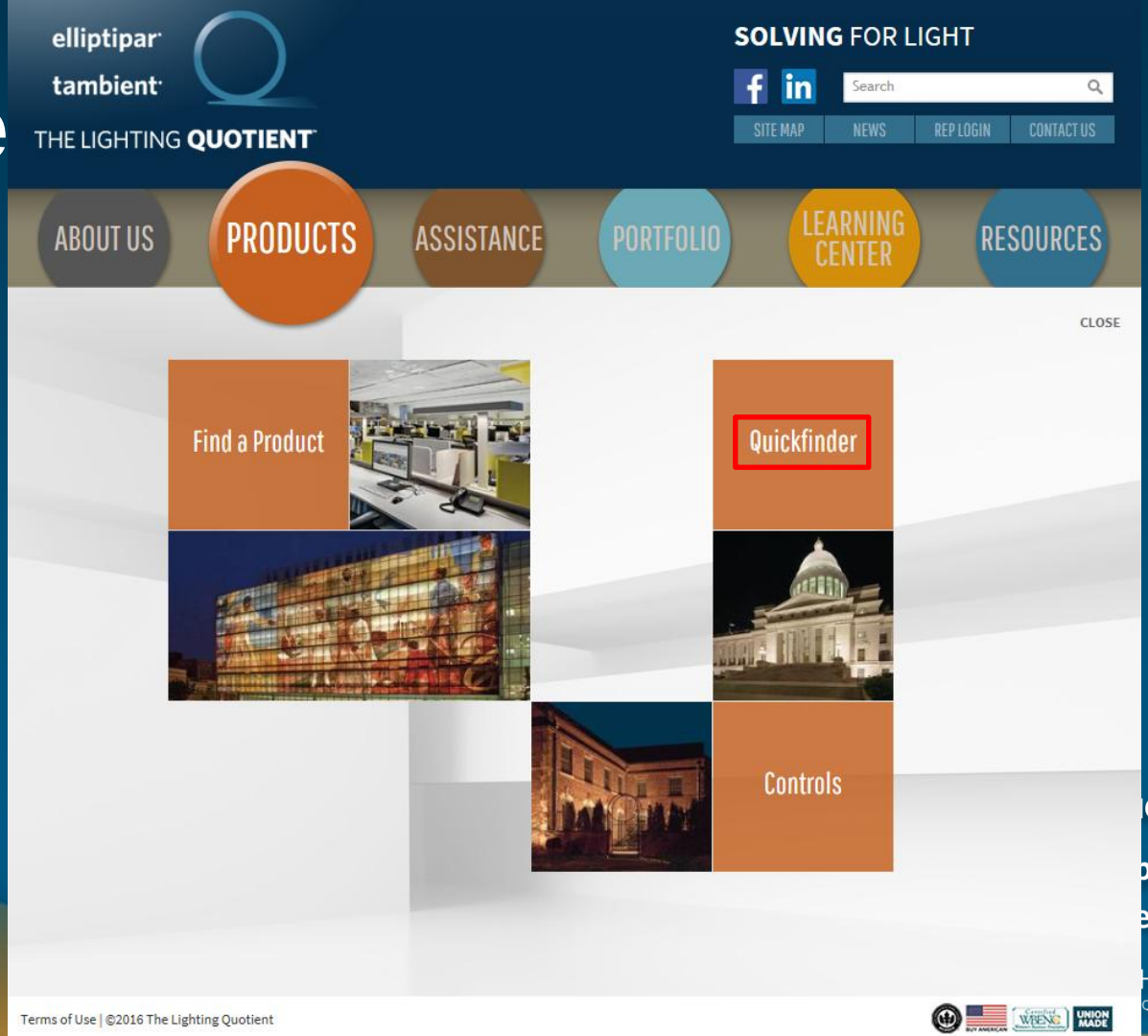
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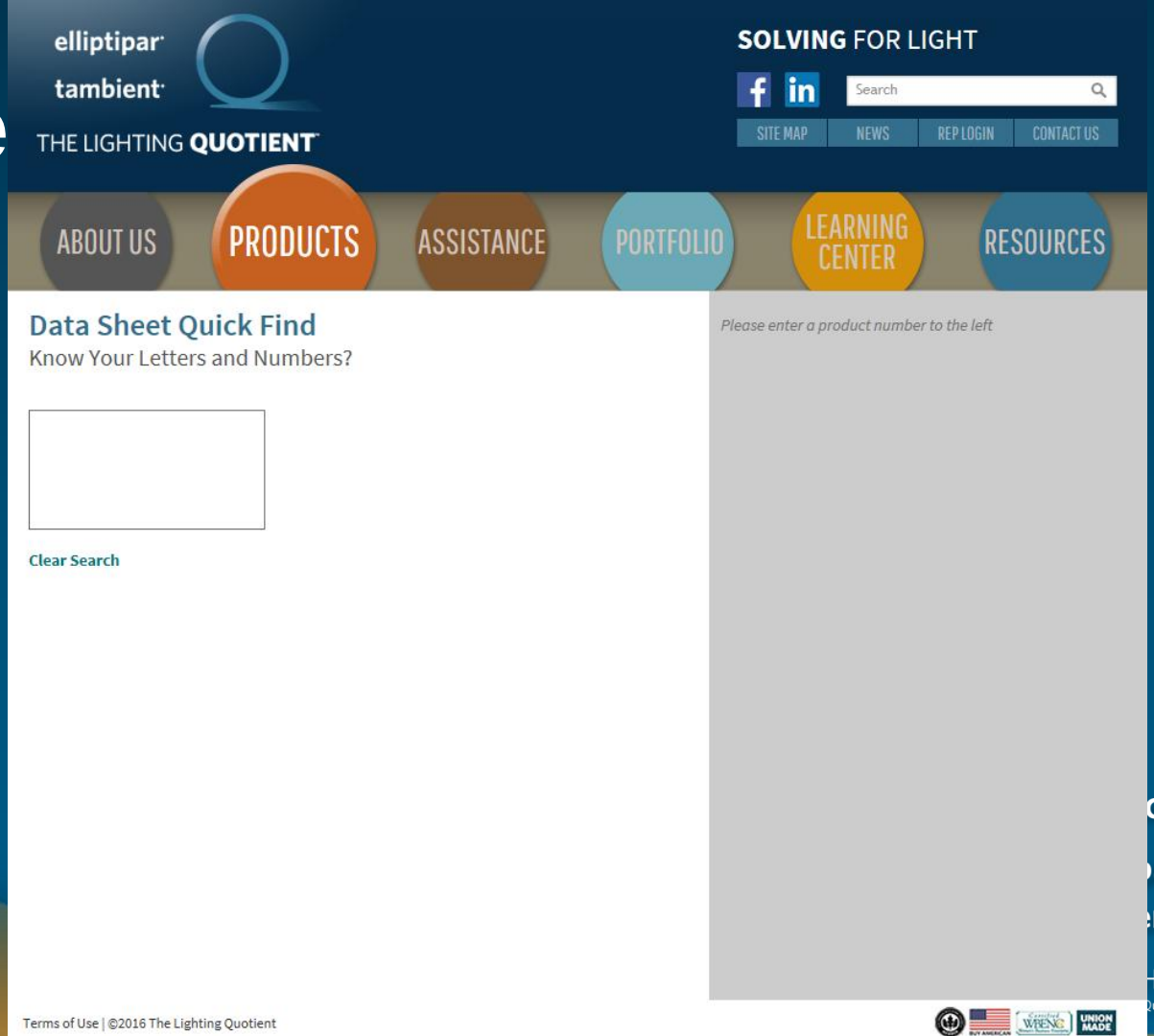
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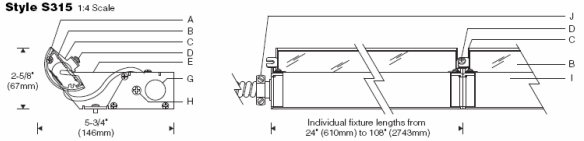
Lighting the Ceiling

Small linear concealed, integral driver

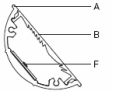
Solid State (LED)

Style S315

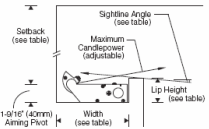
Style S315 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale

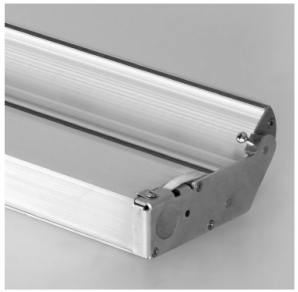


Cove Dimensions

(maximum candlepower aimed 15° above horizontal)

	0° (horiz. cutoff)	5°	10°
Sightline			
Width *(inside)*	6-1/4" (159mm)	7-1/2" (190mm)	7-1/2" (190mm)
Lip *(inside)*	2-3/16" (56mm)	1-5/8" (41mm)	1-1/2" (38mm)
Setback	Recommended minimum: 12" (305mm) for 350mA, 18" (457mm) for 700mA		

Note: Finish interior of cove matte white for best results.



Specifications

A Serviceable extruded aluminum heat sink/housing
B Extruded acrylic beam shaping lens
C Stainless steel end plates with interlocking tabs
D Rotation locking tab with locking set screw
E Aluminum side arm with adjustable mounting tab (fasteners by others)
F Constant current LED board
G Conduit entry (one each end, conduit and connections by others)
H Driver/housing joiner screw (one per fixture)
I Extruded aluminum driver housing and driver
J Supply conduit and connectors by others

Housing and Optic Assembly:
Extruded aluminum heat sink/optic housing. Exterior heat sink anodized for maximum emissivity. Stainless steel end plates. Extruded acrylic refractive semi-diffuse asymmetric beam shaping lens. Extruded aluminum driver housing and removable cover.

Finish:
Optic assembly – bright anodized aluminum.
Side arms and driver compartment – mill finish aluminum.
All 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 locations.
5 year warranty, maximum ambient temperature 45°C (113°F).

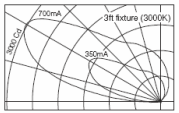
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Low profile – allows smaller cove height*

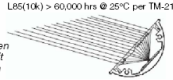
SC 18.0

Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



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S315

Indoor high perfomance, smaller profile LED linear cove, integral driver

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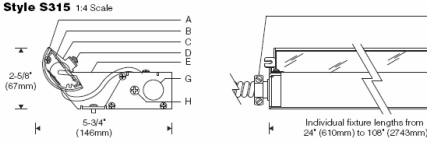
Lighting the Ceiling

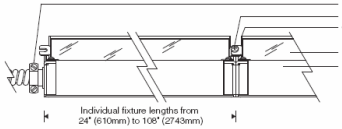
Small linear concealed, integral driver

Solid State (LED)

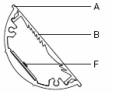
Style

Style S315 1:4 Scale

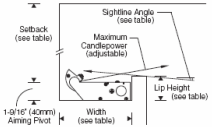




Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions

(maximum candlepower aimed 15° above horizontal)

	0° (horiz. cutoff)	5°	10°
Sightline			
Width (inside)	6-1/4" (159mm)	7-1/2" (190mm)	7-1/2" (190mm)
Lip (inside)	2-3/16" (56mm)	1-5/8" (41mm)	1-1/2" (38mm)
Setback	Recommended minimum: 1-2" (305mm) for 350mA, 18" (457mm) for 700mA		

Note: Finish interior of cove matte white for best results.

Specifications

A Serviceable extruded aluminum heat sink/ housing

B Extruded acrylic beam shaping lens

C Stainless steel end plates with interlocking tabs

D Rotation locking tab with locking set screw

E Aluminum side arm with adjustable mounting tab (fasteners by others)

F Constant current LED board

G Conduit entry (one each end, conduit and connections by others)

H Driver/housing joiner screw (one per fixture)

I Extruded aluminum driver housing and driver

J Supply conduit and connectors by others

Housing and Optic Assembly:
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Finish:
Optic assembly – bright anodized aluminum.
Side arms and driver compartment – mill finish aluminum.
All 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.

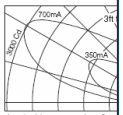
Standard:
UL listed or CSA certified for dry locations.
5 year warranty, maximum ambient temperature 45°C (113°F).

Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illum*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Low profile – allows smaller cove height*

Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



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SC 18.1

To Order

Style S315

To form a Catalog Number

Project:

Type:

S | 3 | 1 | 5 | - | R | | | - | S | - | 0 | 0 | | | | | | | | |
1 2 3 4 5 6 7 8 9 10

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed LED with integral driver

3 Drive Current/Length/No. of LEDs

Solid State LED **linear** drive current, fixture length, number of emitters, options below.

Lumen/Wattage Options:

R02L = 2ft fixture, 72 LEDs @ 350mA, 13.6 watts, 1725 lm
R02M = 2ft fixture, 72 LEDs @ 700mA, 27.2 watts, 3295 lm
R03L = 3ft fixture, 108 LEDs @ 350mA, 20.4 watts, 2587 lm
R03M = 3ft fixture, 108 LEDs @ 700mA, 40.8 watts, 4942 lm
R04L = 4ft fixture, 144 LEDs @ 350mA, 27.2 watts, 3450 lm
R04M = 4ft fixture, 144 LEDs @ 700mA, 54.3 watts, 6589 lm
R05L = 5ft fixture, 180 LEDs @ 350mA, 34.0 watts, 4312 lm
R05M = 5ft fixture, 180 LEDs @ 700mA, 67.9 watts, 8237 lm
R06L = 6ft fixture, 216 LEDs @ 350mA, 40.8 watts, 5175 lm
R06M = 6ft fixture, 216 LEDs @ 700mA, 81.5 watts, 9884 lm
R07L = 7ft fixture, 252 LEDs @ 350mA, 47.6 watts, 6037 lm
R07M = 7ft fixture, 252 LEDs @ 700mA, 95.1 watts, 11531 lm
R08L = 8ft fixture, 288 LEDs @ 350mA, 54.3 watts, 6900 lm
R08M = 8ft fixture, 288 LEDs @ 700mA, 108.7 watts, 13179 lm
R09L = 9ft fixture, 324 LEDs @ 350mA, 61.1 watts, 7762 lm
R09M = 9ft fixture, 324 LEDs @ 700mA, 122.3 watts, 14826 lm

Based on 3000K/80+CRI. Click here for scaled performance table.
Note: Other drive currents are available, consult factory.

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
3 = 347V	**K** = 347V

*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
0K = 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
30 = 3000K, 80+ CRI
35 = 3500K, 80+ CRI
40 = 4000K, 80+ CRI

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

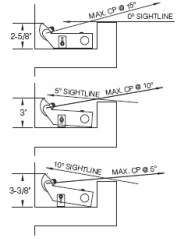
10 Dimming**

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

Adjustable Mounting Feet

The optical assembly is adjustable and lockable, in addition, the S315 is provided with mounting feet that can raise the optical assembly to achieve lower aiming angles.

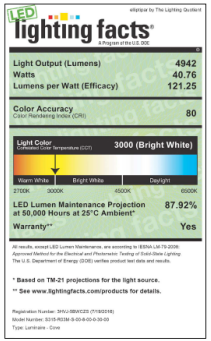


Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**

Middle position allows peak candlepower to be aimed as low as **10° above horizontal.**

High position allows peak candlepower to be aimed as low as **5° above horizontal.**

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/80+CRI) shown >



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Lighting Facts label S315-R03M	SSL Label_S315-R03M
TM-30-15 Reports for MidPower LEDs	TM-30 Reports LiQ MidPower

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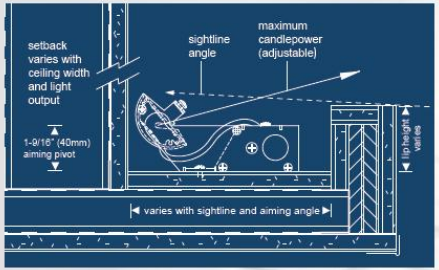

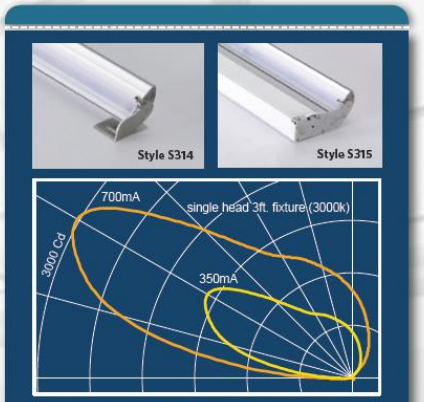

L85(10k) > 60,000 hours @ 25°C per TM-21 (reported)
L70(10k) > 136,000 hours @ 25°C per TM-21 (projected)

- **High performance, smaller profile linear LED cove luminaires in five different body styles**
- **Fully adjustable and lockable aiming**
- **Proprietary refractive lens technology produces an asymmetric distribution –** ideal for illuminating surfaces uniformly from one edge
- **Precise optical control –** ensures virtually all of the light gets out of the cove and is delivered to the target surface
- **Light output – up to 1780 lumens per foot** based on 4000K/80+CRI at 700mA (single head)
- **Up to 16,000 lumens delivered (9' single head) –** several lumen packages available based on fixture length, drive current and color temperature
- **Multiple dimming driver options –** including 0-10V analog, Reverse Phase/ELV/Trailing Edge, Forward phase/Triac/Leading edge and DALI
- **High efficacy –** 127.0 lumens per watt (based on 3000K, 80+ CRI@ 700mA)
- **Several CCT/CRI choices –** 2700K, 3000K, 3500K or 4000K, 80+ CRI (other CCT and CRI options available upon request)
- **Excellent lumen maintenance –**
  - —L85(10k) > 60,000 hours @ 25°C per TM-21 (reported)
  - —L70(10k) > 136,000 hours @ 25°C per TM-21 (projected)
- **Programmable drivers are available –** allows designers to achieve a specific lighting power density or custom light level
- **Continuous wireway channel with easy access cover –** facilitates installation and driver maintenance
- **Optional pre-wired harness with quick connectors –** for fast, simple installation

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Lighting Facts label S315-R03M	SSL Label_S315-R03M
TM-30-15 Reports for MidPower LEDs	TM-30 Reports LiQ MidPower

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Scaled Performance Tables

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Catalog Number	Length	# LEDs	Lumens Out	Lumens Per Ft	Input Watts	Efficacy (LM/W)	Drive Current	Rated CCT	Rated CRI
S315-R02L-*-**-*-**-*-27-00	2FT	72	1619	810	13.6	119.2	350mA	2700K	80+
S315-R02L-*-**-*-**-*-30-00	2FT	72	1725	862	13.6	127.0	350mA	3000K	80+
S315-R02L-*-**-*-**-*-35-00	2FT	72	1812	906	13.6	133.3	350mA	3500K	80+
S315-R02L-*-**-*-**-*-40-00	2FT	72	1861	931	13.6	137.0	350mA	4000K	80+
S315-R02M-*-**-*-**-*-27-00	2FT	72	3090	1545	27.2	113.7	700mA	2700K	80+
S315-R02M-*-**-*-**-*-30-00	2FT	72	3295	1647	27.2	121.2	700mA	3000K	80+
S315-R02M-*-**-*-**-*-35-00	2FT	72	3475	1737	27.2	127.9	700mA	3500K	80+
S315-R02M-*-**-*-**-*-40-00	2FT	72	3555	1778	27.2	130.8	700mA	4000K	80+
S315-R03L-*-**-*-**-*-27-00	3FT	108	2429	810	20.4	119.2	350mA	2700K	80+
S315-R03L-*-**-*-**-*-30-00	3FT	108	2587	862	20.4	127.0	350mA	3000K	80+
S315-R03L-*-**-*-**-*-35-00	3FT	108	2718	906	20.4	133.3	350mA	3500K	80+
S315-R03L-*-**-*-**-*-40-00	3FT	108	2792	931	20.4	137.0	350mA	4000K	80+
S315-R03M-*-**-*-**-*-27-00	3FT	108	4635	1545	40.8	113.7	700mA	2700K	80+
S315-R03M-*-**-*-**-*-30-00	3FT	108	4942	1647	40.8	121.2	700mA	3000K	80+
S315-R03M-*-**-*-**-*-35-00	3FT	108	5212	1737	40.8	127.9	700mA	3500K	80+
S315-R03M-*-**-*-**-*-40-00	3FT	108	5333	1778	40.8	130.8	700mA	4000K	80+
S315-R04L-*-**-*-**-*-27-00	4FT	144	3239	810	27.2	119.2	350mA	2700K	80+
S315-R04L-*-**-*-**-*-30-00	4FT	144	3450	862	27.2	127.0	350mA	3000K	80+
S315-R04L-*-**-*-**-*-35-00	4FT	144	3624	906	27.2	133.3	350mA	3500K	80+
S315-R04L-*-**-*-**-*-40-00	4FT	144	3723	931	27.2	137.0	350mA	4000K	80+
S315-R04M-*-**-*-**-*-27-00	4FT	144	6180	1545	54.3	113.7	700mA	2700K	80+
S315-R04M-*-**-*-**-*-30-00	4FT	144	6589	1647	54.3	121.2	700mA	3000K	80+
S315-R04M-*-**-*-**-*-35-00	4FT	144	6949	1737	54.3	127.9	700mA	3500K	80+
S315-R04M-*-**-*-**-*-40-00	4FT	144	7111	1778	54.3	130.8	700mA	4000K	80+
S315-R05L-*-**-*-**-*-27-00	5FT	180	4049	810	34.0	119.2	350mA	2700K	80+
S315-R05L-*-**-*-**-*-30-00	5FT	180	4312	862	34.0	127.0	350mA	3000K	80+
S315-R05L-*-**-*-**-*-35-00	5FT	180	4529	906	34.0	133.3	350mA	3500K	80+
S315-R05L-*-**-*-**-*-40-00	5FT	180	4653	931	34.0	137.0	350mA	4000K	80+
S315-R05M-*-**-*-**-*-27-00	5FT	180	7725	1545	67.9	113.7	700mA	2700K	80+
S315-R05M-*-**-*-**-*-30-00	5FT	180	8237	1647	67.9	121.2	700mA	3000K	80+
S315-R05M-*-**-*-**-*-35-00	5FT	180	8687	1737	67.9	127.9	700mA	3500K	80+
S315-R05M-*-**-*-**-*-40-00	5FT	180	8888	1778	67.9	130.8	700mA	4000K	80+

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S315

Indoor high perfomance, smaller profile LED linear cove, integral driver

S31x Sell Sheet	S31x_SellSheet.pdf
Scaled Performance Table, S315	ScaledPerfTable S315.pdf
Lighting Facts label S315-R03M	SSL Label_S315-R03M
TM-30-15 Reports for MidPower LEDs	TM-30 Reports LiQ MidPower

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Light Output (Lumens)	4635
Watts	40.76
Lumens per Watt (Efficacy)	113.71
Color Accuracy Color Rendering Index (CRI)	80
Light Color Correlated Color Temperature (CCT)	2700 (Warm White)

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

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.

** See www.lightingfacts.com/products for details.

Registration Number: 3HVJ-58SGBX (7/20/2016)
Model Number: S315-R03M-*-**-*-**-*-27-00
Type: Luminaire - Cove

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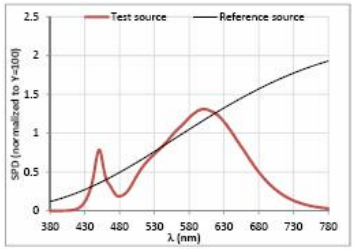
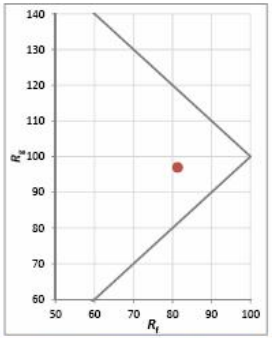
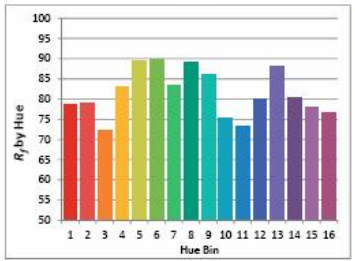
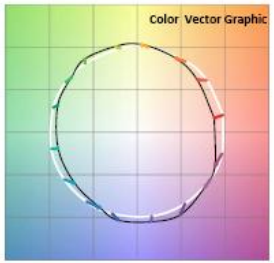
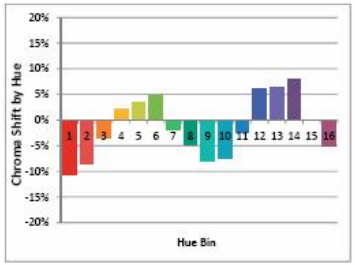
R_f	81	CCT (K)	3045
R_g	97	D_{uv}	0.0019
		u'	0.2483
LER	321	v'	0.5231

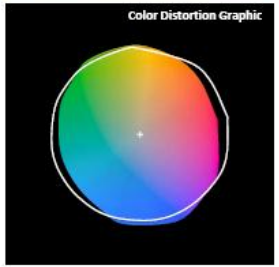












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BASIC RESULTS

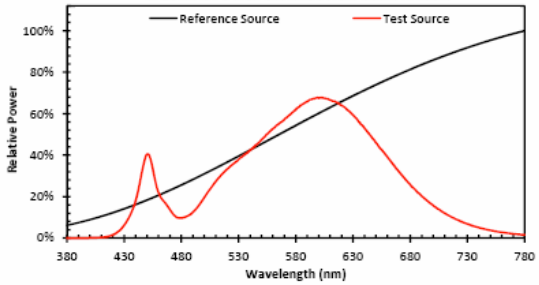
[For additional results, see the *IESGraphical* Sheet or *IESResult* Sheet]

Source:

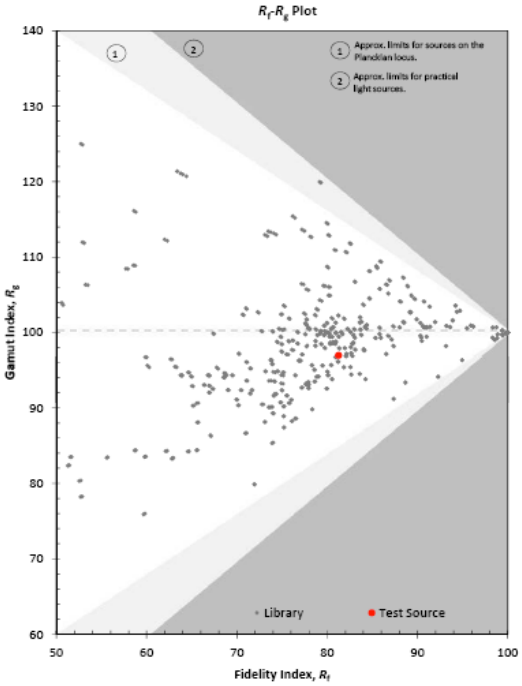
Test Source

R_f	81
R_g	97
CCT (K)	3045
D_{uv}	0.0019
x	0.4365
y	0.4087
CIE R_a	81

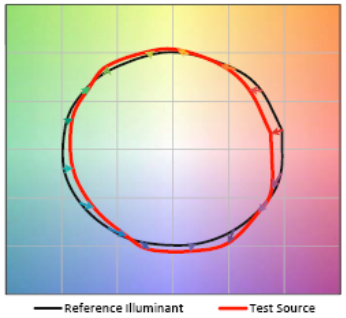
SPECTRAL POWER DISTRIBUTION COMPARISON



R_f-R_g Plot



COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC

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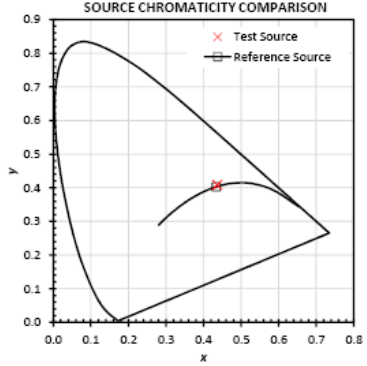
Summary Results

Metric	Test	Reference	Notes	Metric	Test	Reference	Notes
R_f	81	100	IES TM-30-15 Fidelity Index	CCT	3045	3045	Correlated Color Temperature
R_g	97	100	IES TM-30-15 Gamut Index	D_{uv}	0.0019	0.0000	Distance from the blackbody locus
CIE R_a	81	100	CIE Test Color Method General Index	x	0.4365	0.4338	CIE 1931 chromaticity coordinate
R_9	13	100	CIE Test Color Method Sample Nine Score	y	0.4087	0.4030	CIE 1931 chromaticity coordinate
LER	321	165	Luminous Efficacy of Radiation	u	0.2483	0.2490	CIE 1960 chromaticity coordinate
				v	0.3487	0.3470	CIE 1960 chromaticity coordinate
$R_{f,skin}$	86	100	Average of CES15 and CES18 (skin)	u'	0.2483	0.2490	CIE 1976 chromaticity coordinate
				v'	0.5231	0.5205	CIE 1976 chromaticity coordinate

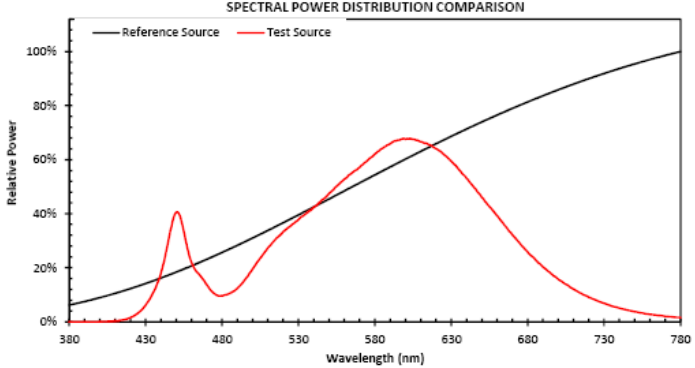
Source Properties

SOURCE CHROMATICITY COMPARISON



This chart plots the chromaticity of the test and reference sources in the CIE 1931 chromaticity diagram.

SPECTRAL POWER DISTRIBUTION COMPARISON



This chart displays the spectral power distributions for the test and reference source. Each SPD has been normalized so that the maximum values is 100%.

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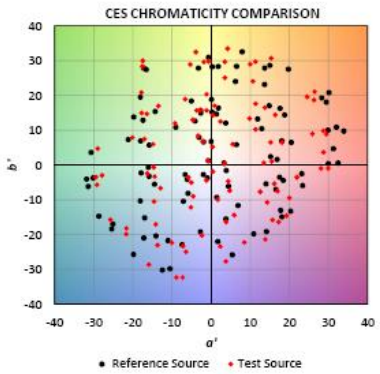
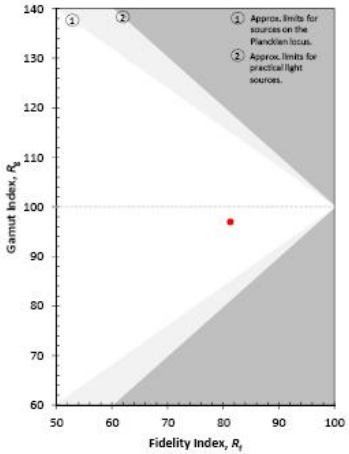
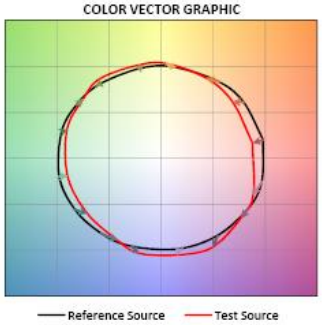
General Color Rendition



This plot shows the shift in chromaticity for each individual CES.



This plot shows a comparison of the R_f and R_g values relative to the range of possible values



This plot shows the average chromaticity shift for the samples within each of 16 hue bins. The values are normalized so that the reference is a circle.

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Color Sample Comparison (Approximate)

WARNING: The colors in this graphic will not update unless the option is selected prior to calculation (see *Main sheet*). The colors shown are approximate and depend on proper monitor calibration. Some colors may be outside of the gamut of the monitor, and will not be displayed accurately. For each sample, the color on the left represents the reference source, and the color on the right represents the test source.

Sample Type:
- A - Nature
- B - Skin
- C - Textiles
- D - Paints
- E - Plastic
- F - Printed

Ref | Test

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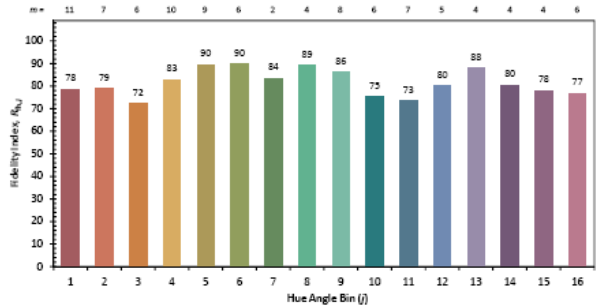
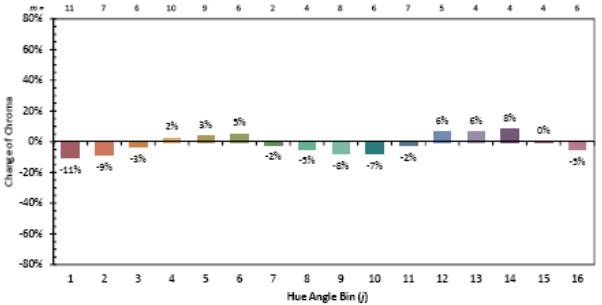
Color Rendition by Hue



This chart displays the average Fidelity Index for all samples within the hue bin. The number of samples per bin, which can vary based on the CCT used for the calculation, is shown at the top. The color of the bar is based on the average chromaticity under the 5000 K reference illuminant; the colors may not display accurately depending on the calibration of the monitor, and should be used for orientation only.

j	Hue Angle
1	0.0°–22.5°
2	22.5° - 45.0°
3	45.0° - 67.5°
4	67.5° - 90.0°
5	90.0°-112.5°
6	112.5°-135.0°
7	135.0°-157.5°
8	157.5°-180.0°
9	180.0°-202.5°
10	202.5°-225.0°
11	225.0°-247.5°
12	247.5°-270.0°
13	270.0°-292.5°
14	292.5°-315.0°
15	315.0°-337.5°
16	337.5°-360.0°



This chart displays the change in chroma for the average sample within each hue bin. The number of samples per bin, which can vary based on the CCT used for the calculation, is shown at the top. The color of the bar is based on the average chromaticity under the 5000 K reference illuminant; the colors may not display accurately depending on the calibration of the monitor, and should be used for orientation only.

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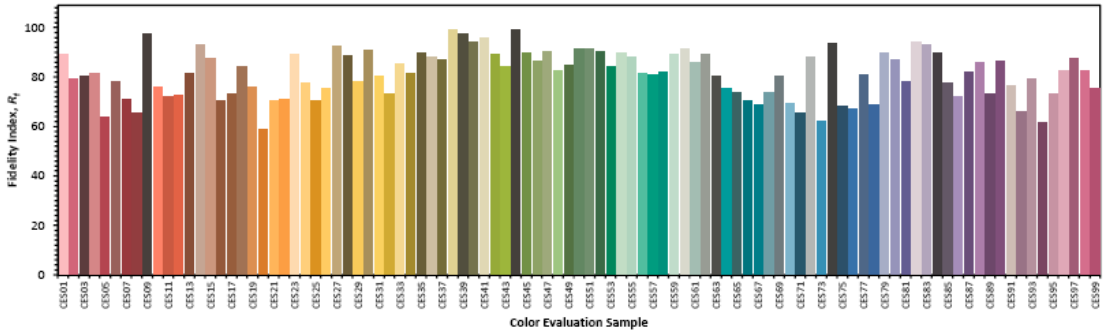
Color Fidelity by Sample



This chart displays the Fidelity Index for each of the 99 CES. The CES are arranged by their hue angle under the 5000 K reference source, which was also used to determine the color of each bar. The colors are approximate and depend on proper monitor calibration. Some colors may be outside of the gamut of the monitor, and will not be displayed accurately.

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Catalog Number
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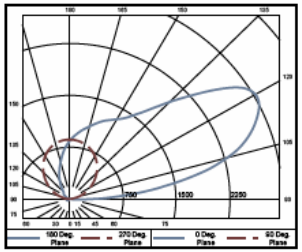
Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.3405 A	40.76 W	0.997	60 Hz	5.87 %

Summary of Results

Total Lumen Output	4942 Lumens
Luminaire Efficacy	121.3 lm/w
Maximum Candela	3020 Candela
CCT	3075 K
CRI	82.5
Duv	-0.0009
TM-30 Rf	82.3
TM-30 Rg	95.0

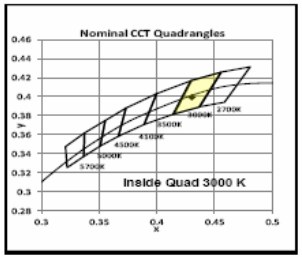


Intensity (Candlepower) Summary

Angle	Mean CP	Lumens
0	5	
5	5	0
10	5	
15	4	1
20	3	
25	3	1
30	3	
35	6	3
40	7	
45	8	7
50	9	
55	11	10
60	12	
65	13	13
70	13	
75	11	12
80	9	
85	36	54
90	163	

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3	0.1%
0-40	6	0.1%
0-60	22	0.5%
0-90	100	2.1%
40-90	94	2.0%
60-90	78	1.6%
90-180	4644	97.9%
0-180	4744	100.0%



Spacing Criteria

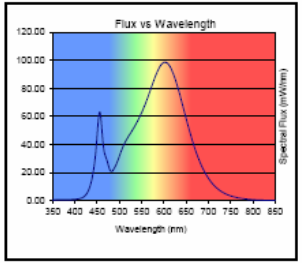
0-180	0.53
90-270	4.82

Color Rendering Index Details

Ra (CRI)	82.5
R1	81.1
R2	91.7
R3	95.7
R4	79.2
R5	81
R6	89.2
R7	82.5
R8	59.7
R9	9.4
R10	80.4
R11	77.6
R12	69.3
R13	83.8
R14	98.4

Average Luminance cd/m²

Vertical Angle	Horizontal Angle 0°
0	37
45	0
55	0
65	0
75	0
85	1666



Cone of Light Tabulation

Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	0.308	9.66
6.00	0.137	14.5
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Chromaticity Coordinates

Chromaticity (x)	0.4303
Chromaticity (y)	0.3995
Chromaticity (u)	0.2483
Chromaticity (v)	0.3457
Chromaticity (u')	0.2483
Chromaticity (v')	0.5186
Duv	-0.0009

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #1265418

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S315

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S315

Indoor high perfomance, smaller profile LED linear cove, integral driver

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Small Concealed Linear LED, integral driver

S315 - SC18

175mA, S315-RXXG, 2700K, 80+ CRI, ceiling	S315-RXXG_27_80_C_126518.IES
175mA, S315-RXXG, 3000K, 80+ CRI, ceiling	S315-RXXG_30_80_C_126518.IES
175mA, S315-RXXG, 3500K, 80+ CRI, ceiling	S315-RXXG_35_80_C_126518.IES
175mA, S315-RXXG, 4000K, 80+ CRI, ceiling	S315-RXXG_40_80_C_126518.IES
350mA, S315-RXXL, 2700K, 80+ CRI, ceiling	S315-RXXL_27_80_C_126518.IES
350mA, S315-RXXL, 3000K, 80+ CRI, ceiling	S315-RXXL_30_80_C_126518.IES
350mA, S315-RXXL, 3500K, 80+ CRI, ceiling	S315-RXXL_35_80_C_126518.IES
350mA, S315-RXXL, 4000K, 80+ CRI, ceiling	S315-RXXL_40_80_C_126518.IES
700mA, S315-RXXM, 2700K, 80+ CRI, ceiling	S315-RXXM_27_80_C_126518.IES
700mA, S315-RXXM, 3000K, 80+ CRI, ceiling	S315-RXXM_30_80_C_126518.IES
700mA, S315-RXXM, 3500K, 80+ CRI, ceiling	S315-RXXM_35_80_C_126518.IES
700mA, S315-RXXM, 4000K, 80+ CRI, ceiling	S315-RXXM_40_80_C_126518.IES

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S315

Indoor high perfomance, smaller profile LED linear cove, integral driver

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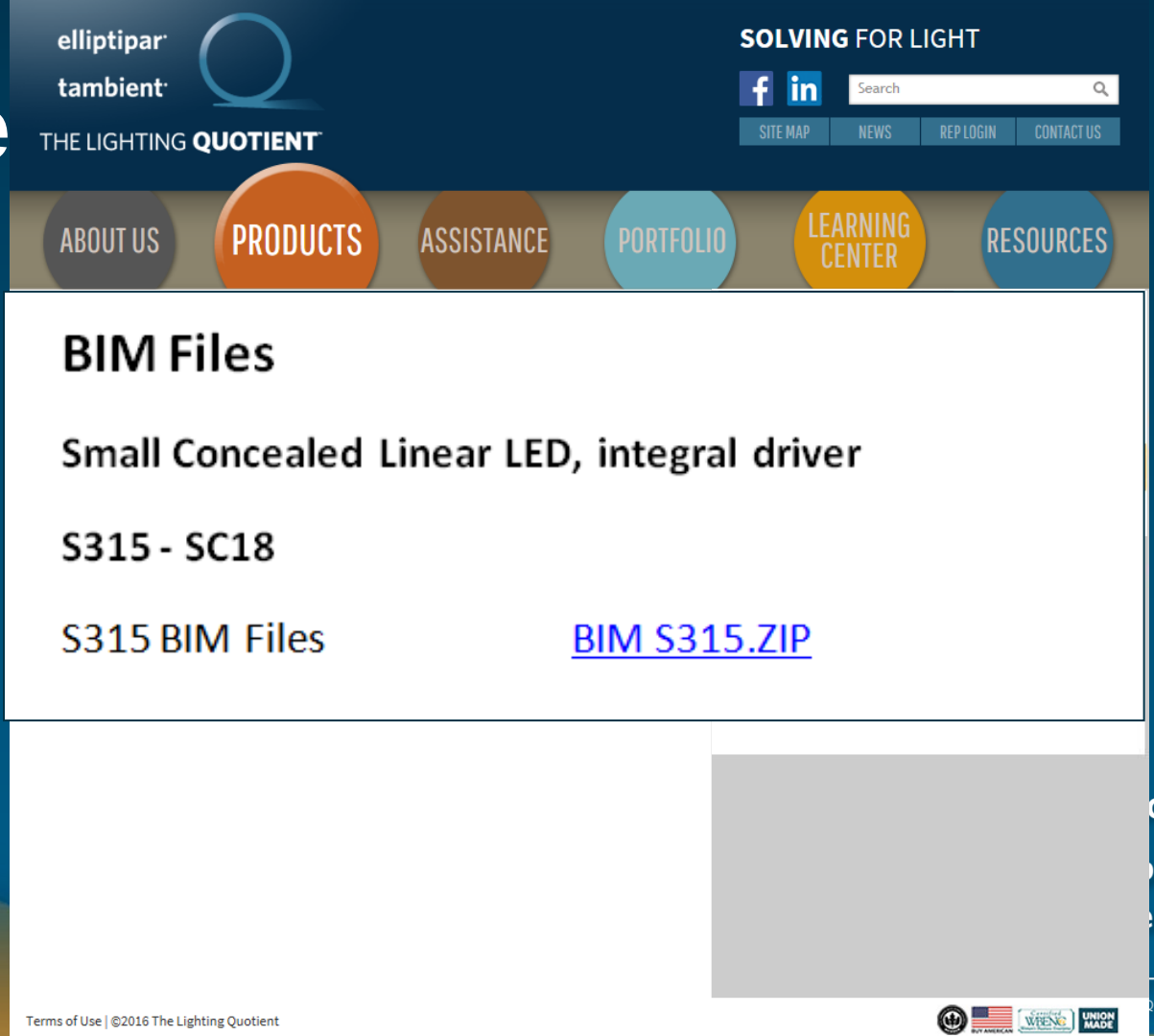
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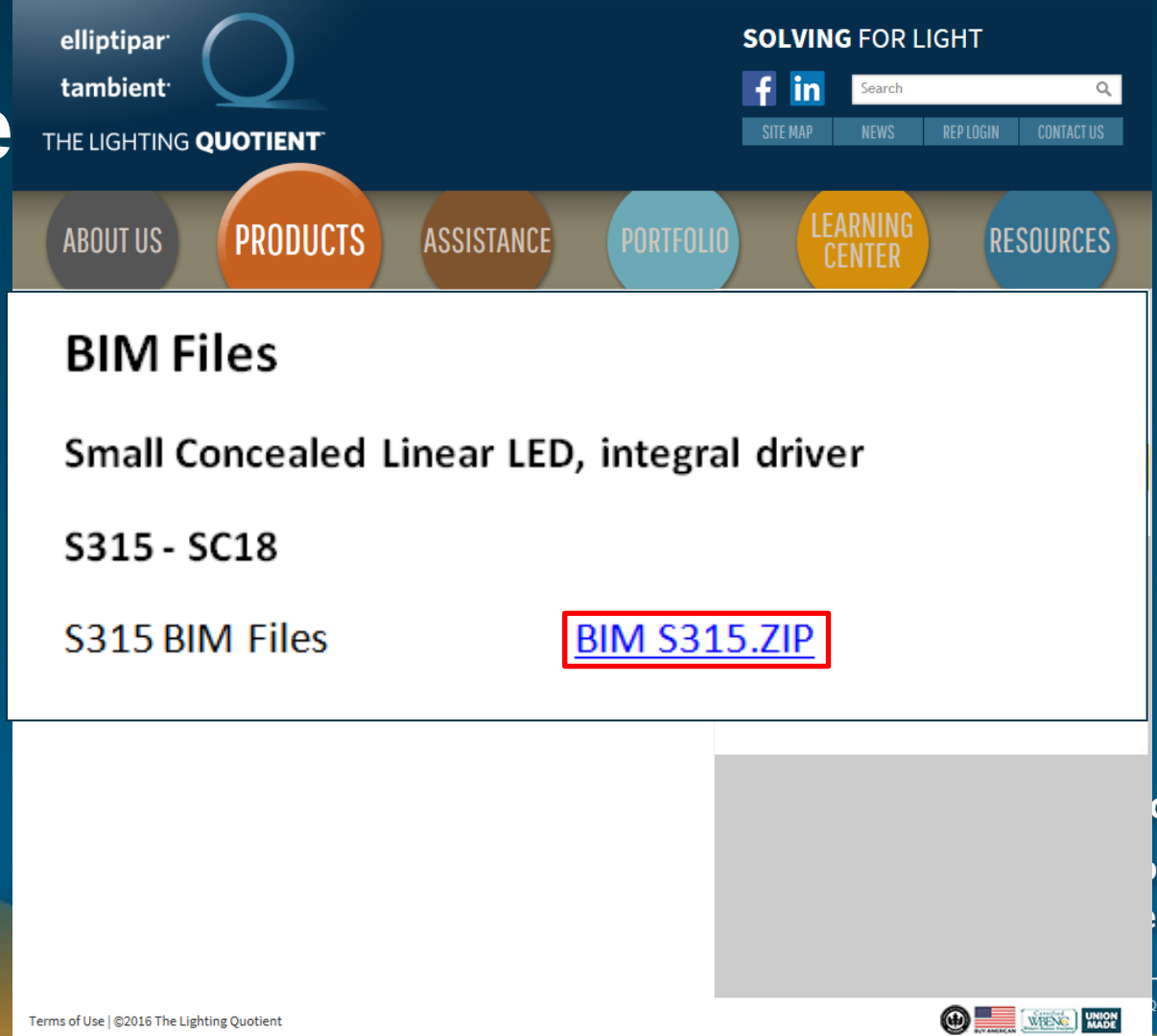
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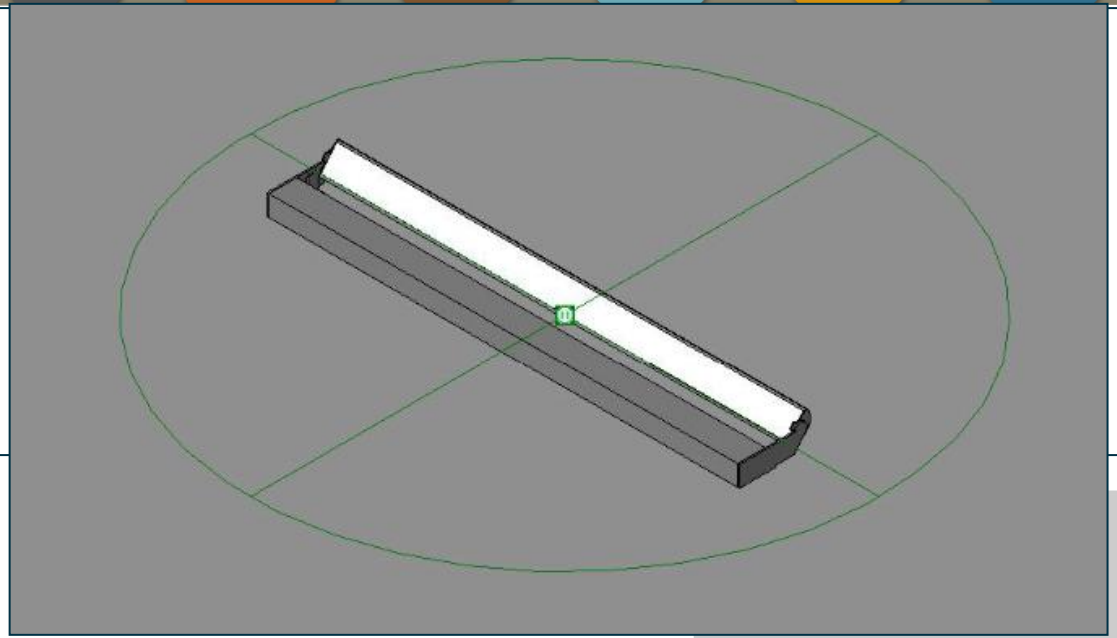

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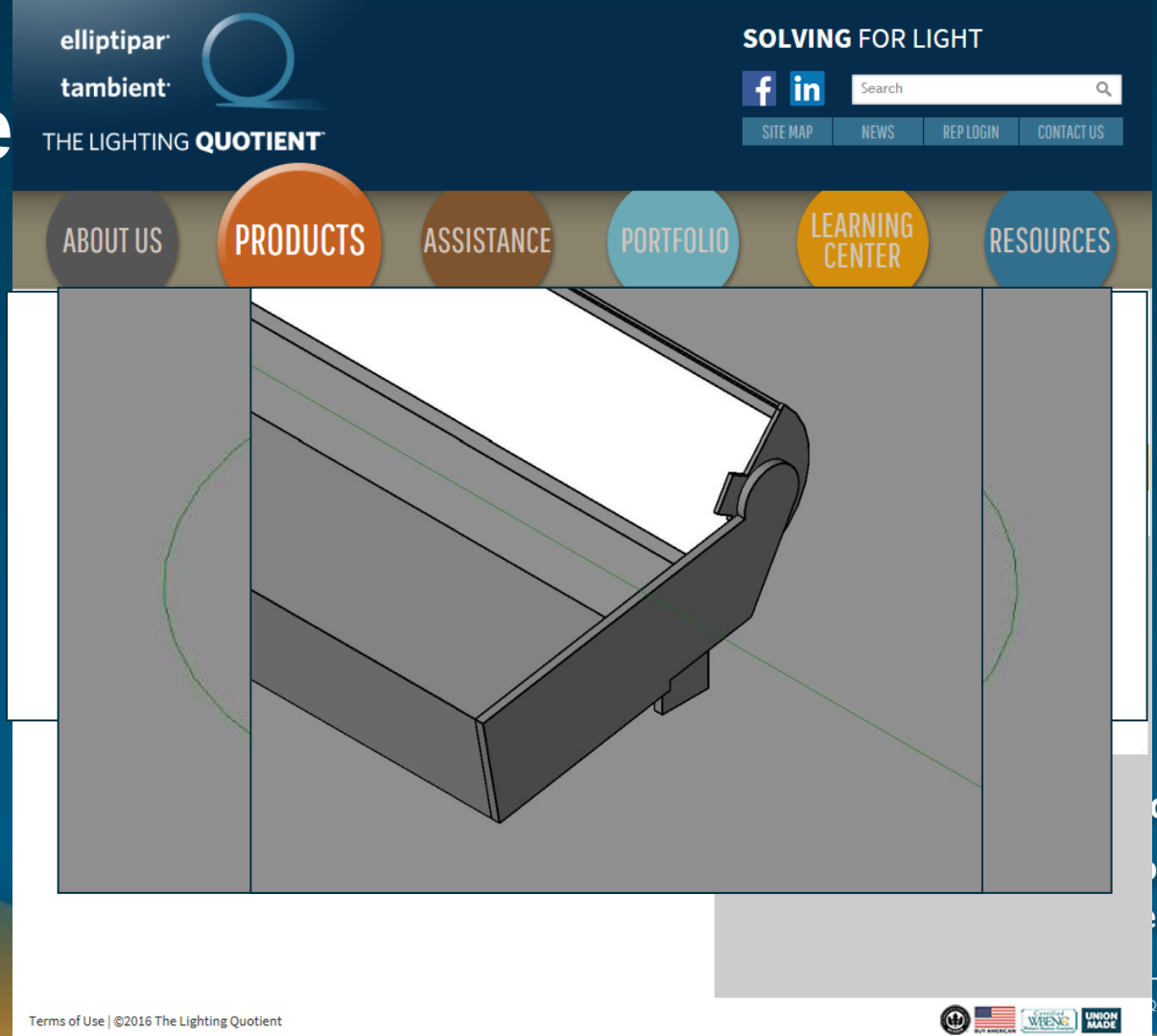
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Data Sheet Quick Find

Know Your Letters and Numbers?

S315

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Indoor high perfomance, smaller profile LED linear cove, integral driver

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S315 - SW22

S315, S316, S317, S318 Mounting and Wiring Instructions	MA-1417.pdf
S315, S316, S317, S318 — 0K Option	MA-1418.pdf
S31_ Disassembly and Recycling Instructions	MA-1420.pdf

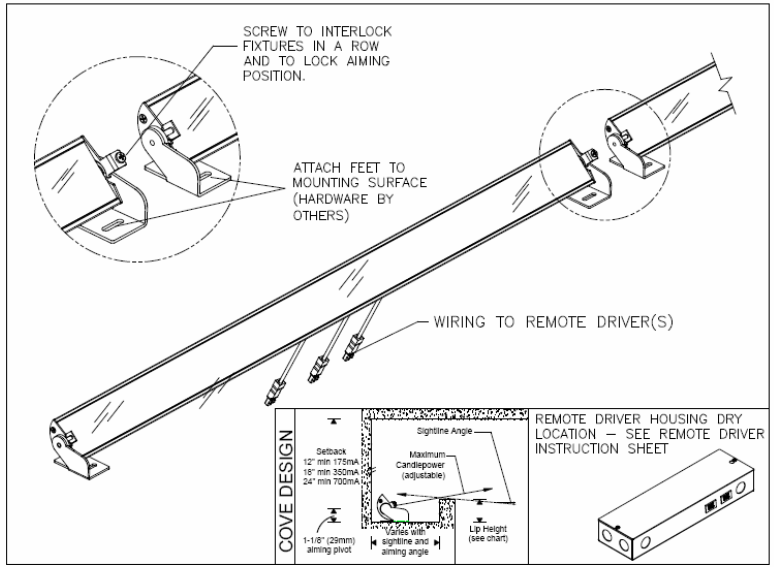
Small Concealed LED

SOLID STATE LED (UL/CSA)

WARNING – RISK OF FIRE AND ELECTRIC SHOCK. THIS PRODUCT IS TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY.
CAUTION – BE SURE POWER IS DISCONNECTED PRIOR TO WIRING.
INSTALL IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.
SAVE THESE INSTRUCTIONS FOR FUTURE USE.

MOUNTING AND WIRING INSTRUCTIONS:

1. LAY FIXTURE(S) IN COVE AND SECURELY FASTEN MOUNTING BRACKETS IN PLACE.
2. ESTABLISH REMOTE LOCATION FOR DRIVER(S). INSTALL PER MA–1357.
3. RUN SUPPLY CONDUIT BETWEEN FIXTURE(S) AND DRIVER HOUSING(S).
   NOTE: FOR MRI APPLICATIONS, INSTALL MRI FILTER (BY OTHERS) ON EACH DRIVER OUTPUT.
4. INTERLOCK REFLECTORS IN ROW WITH SCREWS PROVIDED ON HEAD ASSEMBLY
5. AIM FIXTURES AS DESIRED. LOCK AIMING POSITION OF EACH FIXTURE WITH SCREW PROVIDED.



MA–1419 A STYLE S314

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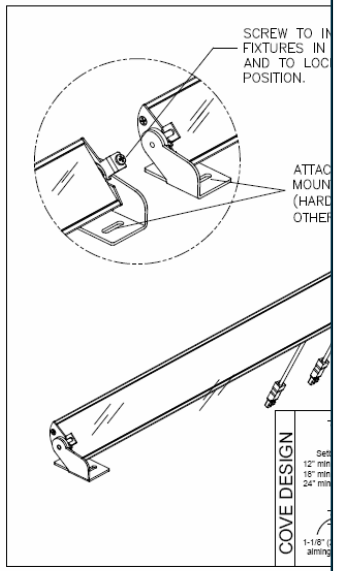
114 BOSTON POST ROAD, WEST HAVEN, CONNECTICUT, 06516

Small Concealed LED
SOLID STATE LED (UL/CSA)

WARNING – RISK OF FIRE A
IS TO BE INSTALLED B
CAUTION – BE SURE POWE
INSTALL IN ACCORDANCE
SAVE THESE INST

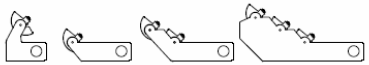
MOUNTING AND WIRING INSTRUCTIONS:
1. LAY FIXTURE(S) IN COVE AND SECURELY FA
2. ESTABLISH REMOTE LOCATION FOR DRIVER(S
3. RUN SUPPLY CONDUIT BETWEEN FIXTURE(S)
   NOTE: FOR MRI APPLICATIONS, INSTALL MRI
4. INTERLOCK REFLECTORS IN ROW WITH SCRE
5. AIM FIXTURES AS DESIRED. LOCK AIMING PO



MA–1419 A STYLE S314

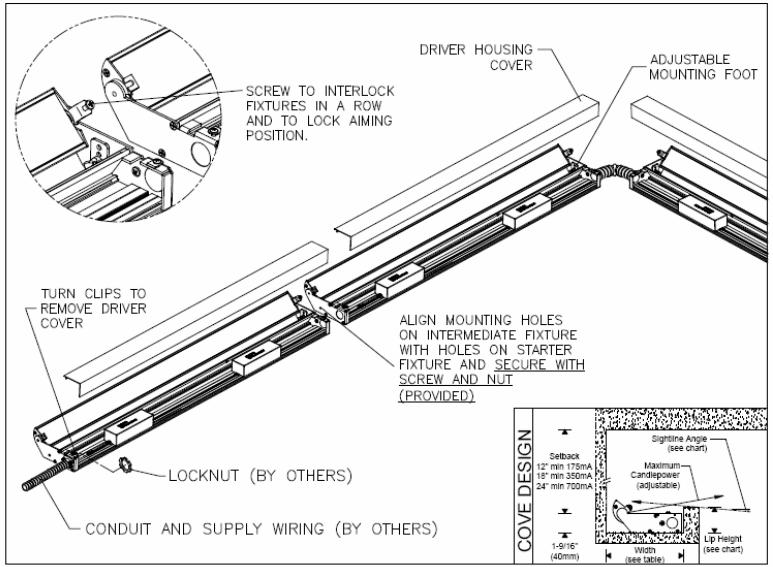
114 BOSTON POST ROA

Small Concealed LED
SOLID STATE LED (UL/CSA)
SINGLE, DOUBLE AND TRIPLE HEAD UNIT



WARNING – RISK OF FIRE AND ELECTRIC SHOCK. THIS PRODUCT IS TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY.
CAUTION – BE SURE POWER IS DISCONNECTED PRIOR TO WIRING.
INSTALL IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.
SAVE THESE INSTRUCTIONS FOR FUTURE USE.

MOUNTING AND WIRING INSTRUCTIONS:
1. LAY FIXTURE(S) IN COVE AND REMOVE DRIVER HOUSING COVER(S). TURN CLIPS TO REMOVE COVERS.
2. REMOVE KNOCK–OUT(S) FOR SUPPLY WIRING (CONDUIT AND CONNECTORS BY OTHERS).
3. WHEN MOUNTING MORE THAN ONE FIXTURE IN A ROW, CONNECT FIXTURES USING HARDWARE PROVIDED.
4. MOUNT FIXTURES TO BASE OF COVE WITH ADJUSTABLE MOUNTING FEET (MOUNTING HARDWARE BY OTHERS).
5. RUN SUPPLY WIRING (90°C MIN) BETWEEN FIXTURES (WIRE BY OTHERS).
6. CONNECT SUPPLY WIRING TO DRIVER WIRING (LINE TO BLACK, NEUTRAL TO WHITE AND GROUND TO GRN/YEL).
7. REINSTALL DRIVER HOUSING COVER(S) USING CLIPS FROM STEP #1.
8. INTERLOCK REFLECTORS IN ROW WITH SCREWS PROVIDED ON HEAD ASSEMBLY
9. AIM FIXTURES AS DESIRED. LOCK AIMING POSITION OF EACH FIXTURE WITH SCREW PROVIDED.



MA–1417 A STYLE S315/S316/S317/S318

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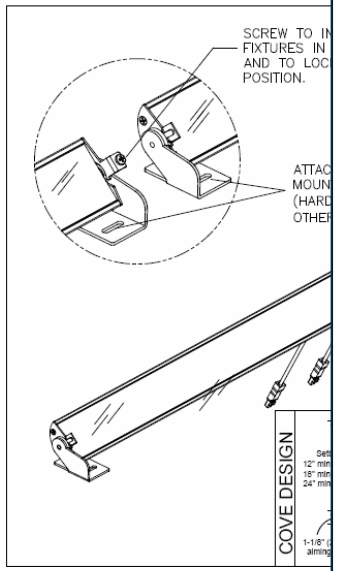
114 BOSTON POST ROAD, WEST HAVEN, CONNECTICUT, 06516

Small Concealed LED
SOLID STATE LED (UL/CSA)

WARNING – RISK OF FIRE A
IS TO BE INSTALLED B
CAUTION – BE SURE POWE
INSTALL IN ACCORDANCE
SAVE THESE INST

MOUNTING AND WIRING INSTRUCTIONS:
1. LAY FIXTURE(S) IN COVE AND SECURELY FA
2. ESTABLISH REMOTE LOCATION FOR DRIVER(S
3. RUN SUPPLY CONDUIT BETWEEN FIXTURE(S)
NOTE: FOR MRI APPLICATIONS, INSTALL MRI
4. INTERLOCK REFLECTORS IN ROW WITH SCRE
5. AIM FIXTURES AS DESIRED. LOCK AIMING PO



MA–1419 A STYLE S314

114 BOSTON POST ROA

Small Concealed LED
SOLID STATE LED (UL/CSA)
SINGLE, DOUBLE AND TRIPLE HEA

WARNING – RISK OF FIRE A
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CAUTION – BE SURE POWE
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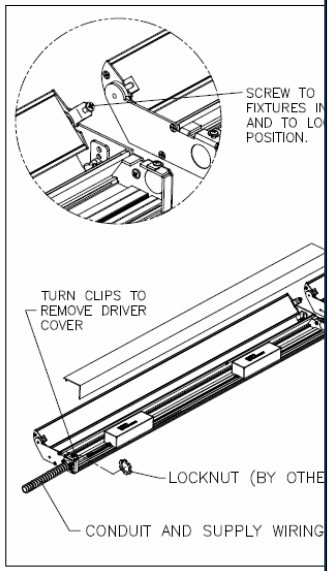
SAVE THESE INST

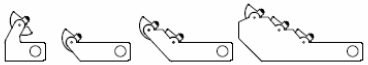
MOUNTING AND WIRING INSTRUCTIONS:
1. LAY FIXTURE(S) IN COVE AND REMOVE DRIVE
2. REMOVE KNOCK–OUT(S) FOR SUPPLY WIRING
3. WHEN MOUNTING MORE THAN ONE FIXTURE
4. MOUNT FIXTURES TO BASE OF COVE WITH A
5. RUN SUPPLY WIRING (90°C MIN) BETWEEN F
6. CONNECT SUPPLY WIRING TO DRIVER WIRING
7. REINSTALL DRIVER HOUSING COVER(S) USING
8. INTERLOCK REFLECTORS IN ROW WITH SCRE
9. AIM FIXTURES AS DESIRED. LOCK AIMING PO



MA–1417 A STYLE S315/S316/

114 BOSTON POST ROA

Small Concealed LED
SOLID STATE LED (UL/CSA)
SINGLE, DOUBLE AND TRIPLE HEAD UNIT



WARNING – RISK OF FIRE AND ELECTRIC SHOCK. THIS PRODUCT IS TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY.
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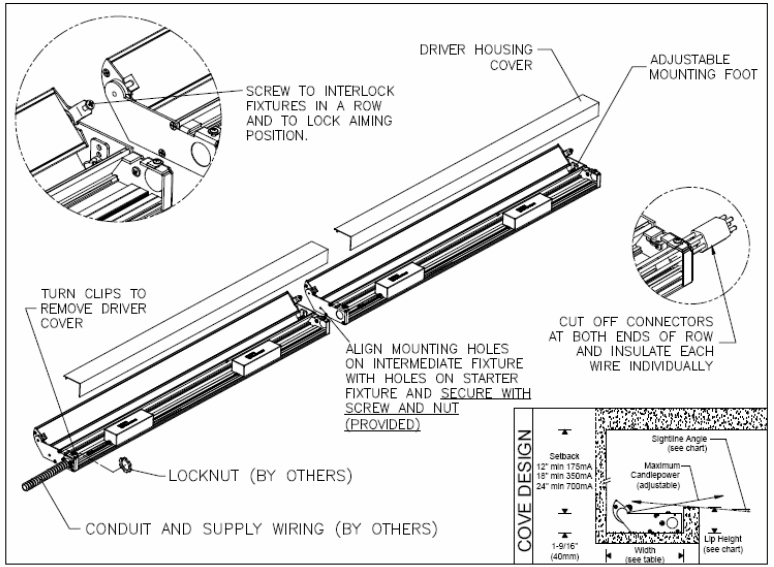
INSTALL IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.
SAVE THESE INSTRUCTIONS FOR FUTURE USE.

MOUNTING AND WIRING INSTRUCTIONS:
1. LAY FIXTURE(S) IN COVE AND REMOVE DRIVER HOUSING COVER(S). TURN CLIPS TO REMOVE COVERS.
2. REMOVE KNOCK–OUT(S) FOR SUPPLY WIRING (CONDUIT AND CONNECTORS BY OTHERS).
3. WHEN MOUNTING MORE THAN ONE FIXTURE IN A ROW, CONNECT FIXTURES USING HARDWARE PROVIDED.
4. MOUNT FIXTURES TO BASE OF COVE WITH ADJUSTABLE MOUNTING FEET (MOUNTING HARDWARE BY OTHERS).
5. RUN SUPPLY WIRING (90°C MIN) BETWEEN FIXTURES (WIRE BY OTHERS).
6. CONNECT SUPPLY WIRING TO DRIVER WIRING (LINE TO BLACK, NEUTRAL TO WHITE AND GROUND TO GRN/YEL).
7. REINSTALL DRIVER HOUSING COVER(S) USING CLIPS FROM STEP #1.
8. INTERLOCK REFLECTORS IN ROW WITH SCREWS PROVIDED ON HEAD ASSEMBLY.
9. AIM FIXTURES AS DESIRED. LOCK AIMING POSITION OF EACH FIXTURE WITH SCREW PROVIDED.



MA–1418 A STYLE S315/S316/S317/S318 0K OPTION

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Small Concealed LED
SOLID STATE LED (UL/CSA)

WARNING – RISK OF FIRE A
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MOUNTING AND WIRING INSTRUCTIONS:
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3. RUN SUPPLY CONDUIT BETWEEN FIXTURE(S)
NOTE: FOR MRI APPLICATIONS, INSTALL MRI
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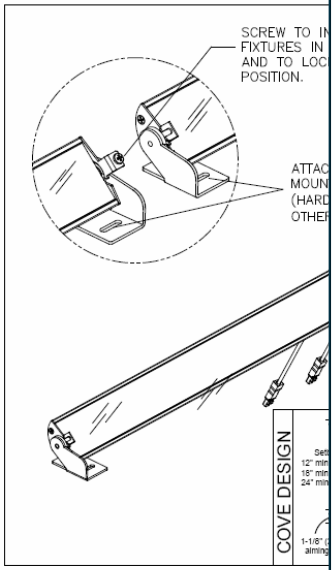

MA–1419 A STYLE S314

114 BOSTON POST ROA

Small Concealed LED
SOLID STATE LED (UL/CSA)
SINGLE, DOUBLE AND TRIPLE HEA

WARNING – RISK OF FIRE A
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MOUNTING AND WIRING INSTRUCTIONS:
1. LAY FIXTURE(S) IN COVE AND REMOVE DRIVE
2. REMOVE KNOCK–OUT(S) FOR SUPPLY WIRING
3. WHEN MOUNTING MORE THAN ONE FIXTURE
4. MOUNT FIXTURES TO BASE OF COVE WITH A
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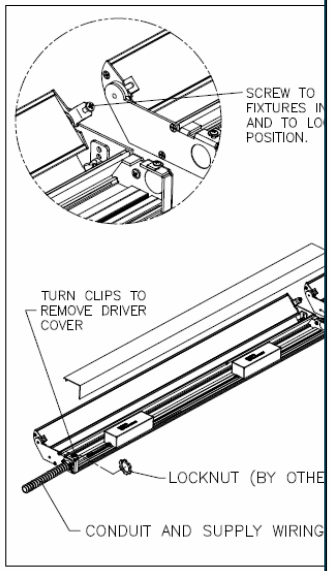

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114 BOSTON POST ROA

Small Concealed LED
SOLID STATE LED (UL/CSA)
SINGLE, DOUBLE AND TRIPLE HEA

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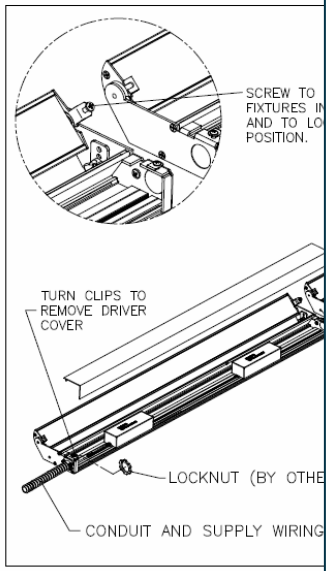

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114 BOSTON POST ROA

STYLES S314, S315, S316, S317, S318
Disassembly and Recycling Instructions

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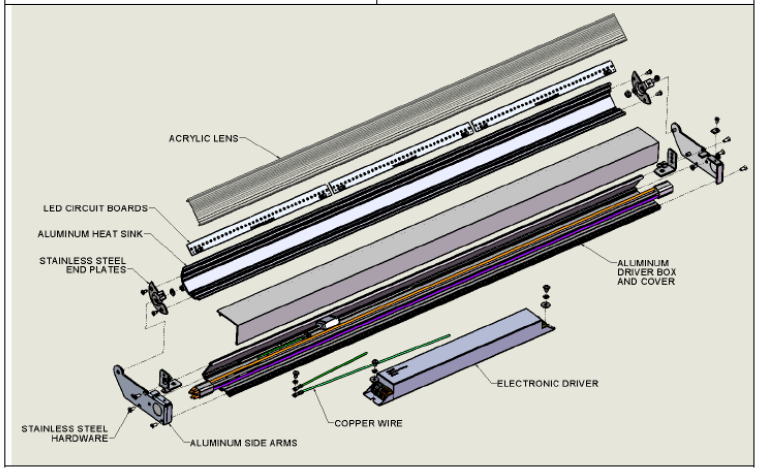
Disassembly Instructions:
1) Loosen driver box cover screws, remove cover.
2) Remove acrylic lens
3) Remove nuts on inside of LED housing and remove housing from side arms
4) Remove side arm screws (6 total), remove side arms
5) Remove end plate screws (4 total), remove end plates
6) Remove wires from LED boards and LED driver
7) Remove driver from driver box channel
8) Using a gasket scraper or putty knife, remove the LED boards from LED housing extrusion

Materials for Recycle:
Aluminum
- Driver box extrusion
- Cover extrusion
- LED housing
- Side arms

Stainless Steel
- End plates
- Cover clip, screws and nuts

Copper - Wires
Plastic - Lens (acrylic)
Electronics - LED driver and LED boards



Looking for a local recycle center? Click here

MA-1420 A S314 S315 S316 S317 S318 - Disassembly and Recycling Instructions

The Lighting Quotient
114 Boston Post Road, West Haven, CT 06516
Tel 203.931.4455 Fax 203.931.4464

THE LIGHTING QUOTIENT

Small Concealed LED
SOLID STATE LED (UL/CSA)

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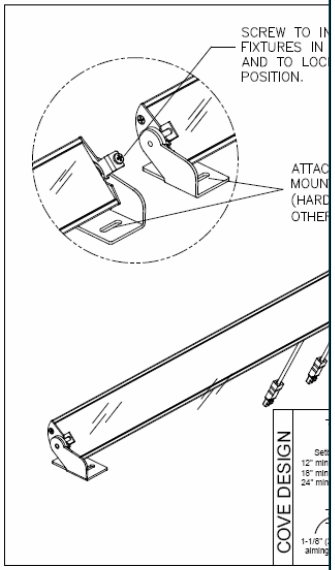

MA–1419 A STYLE S314

114 BOSTON POST ROA

Small Concealed LED
SOLID STATE LED (UL/CSA)
SINGLE, DOUBLE AND TRIPLE HEA

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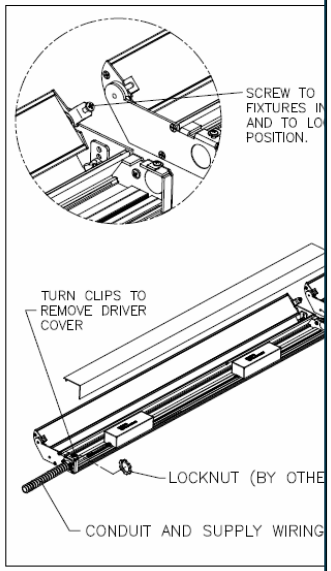

MA–1417 A STYLE S315/S316/

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Small Concealed LED
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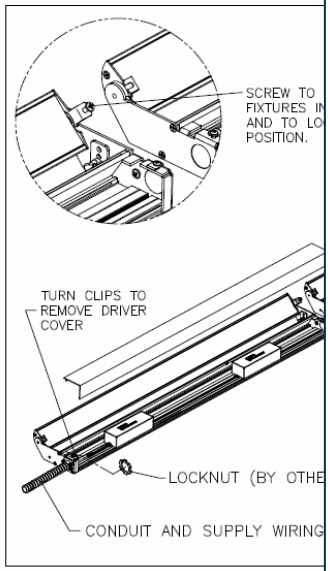

MA–1418 A STYLE S315/S316/

114 BOSTON POST ROA

STYLES S314, S315, S316, S317, S318
Disassembly and Recycling Instructions

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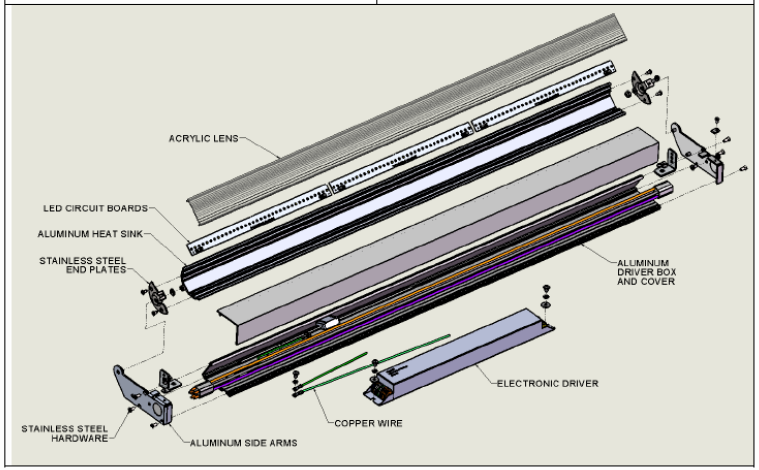
Disassembly Instructions:	**Materials for Recycle:**
1) Loosen driver box cover screws, remove cover. 2) Remove acrylic lens 3) Remove nuts on inside of LED housing and remove housing from side arms 4) Remove side arm screws (6 total), remove side arms 5) Remove end plate screws (4 total), remove end plates 6) Remove wires from LED boards and LED driver 7) Remove driver from driver box channel 8) Using a gasket scraper or putty knife, remove the LED boards from LED housing extrusion	Aluminum Driver box extrusion Cover extrusion LED housing Side arms Stainless Steel End plates Cover clip, screws and nuts Copper - Wires Plastic - Lens (acrylic) Electronics - LED driver and LED boards



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MA-1420 A S314 S315 S316 S317 S318 - Disassembly and Recycling Instructions

The Lighting Quotient
114 Boston Post Road, West Haven, CT 06516
Tel 203.931.4455 Fax 203.931.4464

THE LIGHTING QUOTIENT

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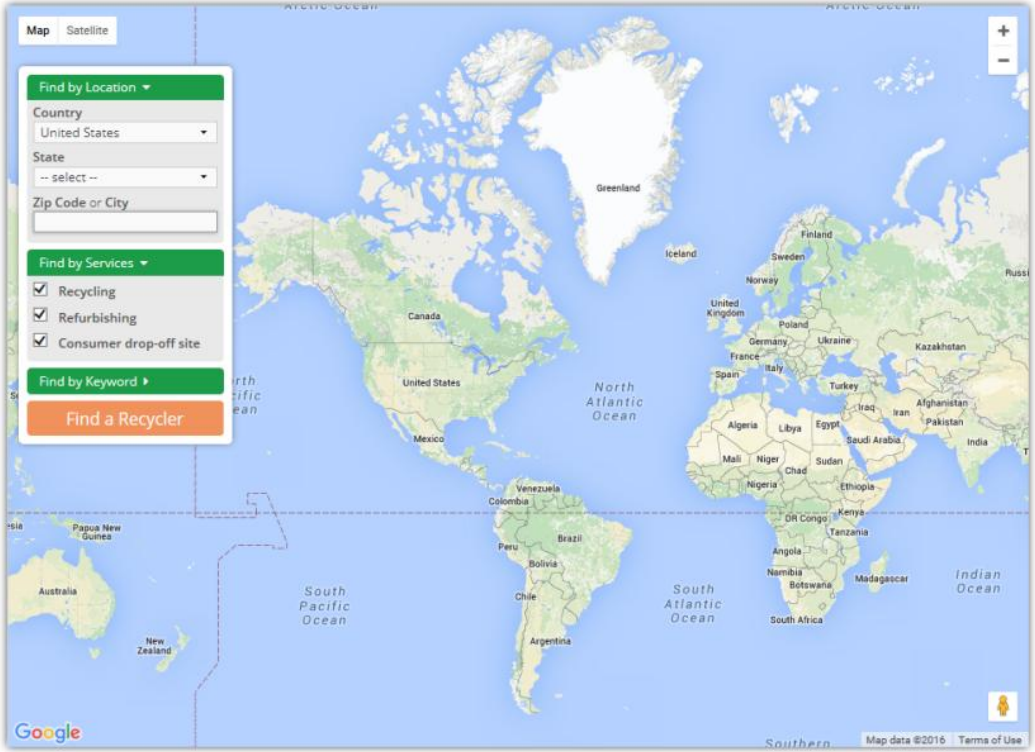

Map Legend

Certified Site | In-Process for Certification Site | Consumer Drop-Off Site (Recycler) | Consumer Drop-Off Site (Enterprise)

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TYLES S314, S315, S316, S317, S318
Disassembly and Recycling Instructions

isassembly Instructions:

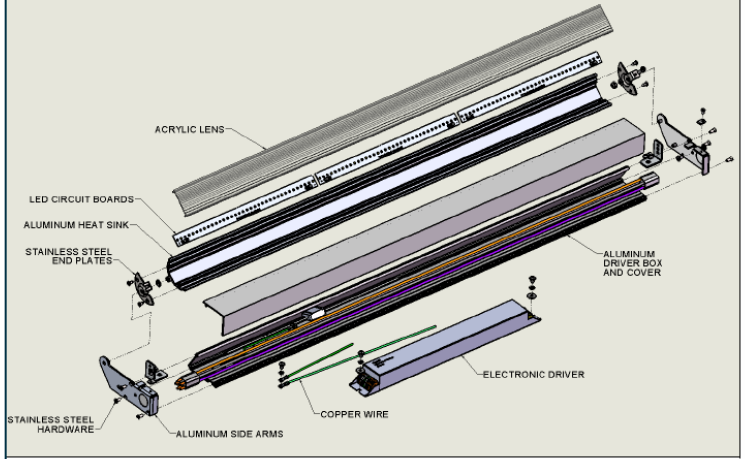
) Loosen driver box cover screws, remove cover.
) Remove acrylic lens
) Remove nuts on inside of LED housing and remove housing from side arms
) Remove side arm screws (6 total), remove side arms
) Remove end plate screws (4 total), remove end plates
) Remove wires from LED boards and LED driver
) Remove driver from driver box channel
) Using a gasket scraper or putty knife, remove the LED boards from LED housing extrusion

Materials for Recycle:

Aluminum
- Driver box extrusion
- Cover extrusion
- LED housing
- Side arms

Stainless Steel
- End plates
- Cover clip, screws and nuts

Copper - Wires
Plastic - Lens (acrylic)
Electronics - LED driver and LED boards



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Certified Site | In-Process for Certification Site | Consumer Drop-Off Site (Recycler)

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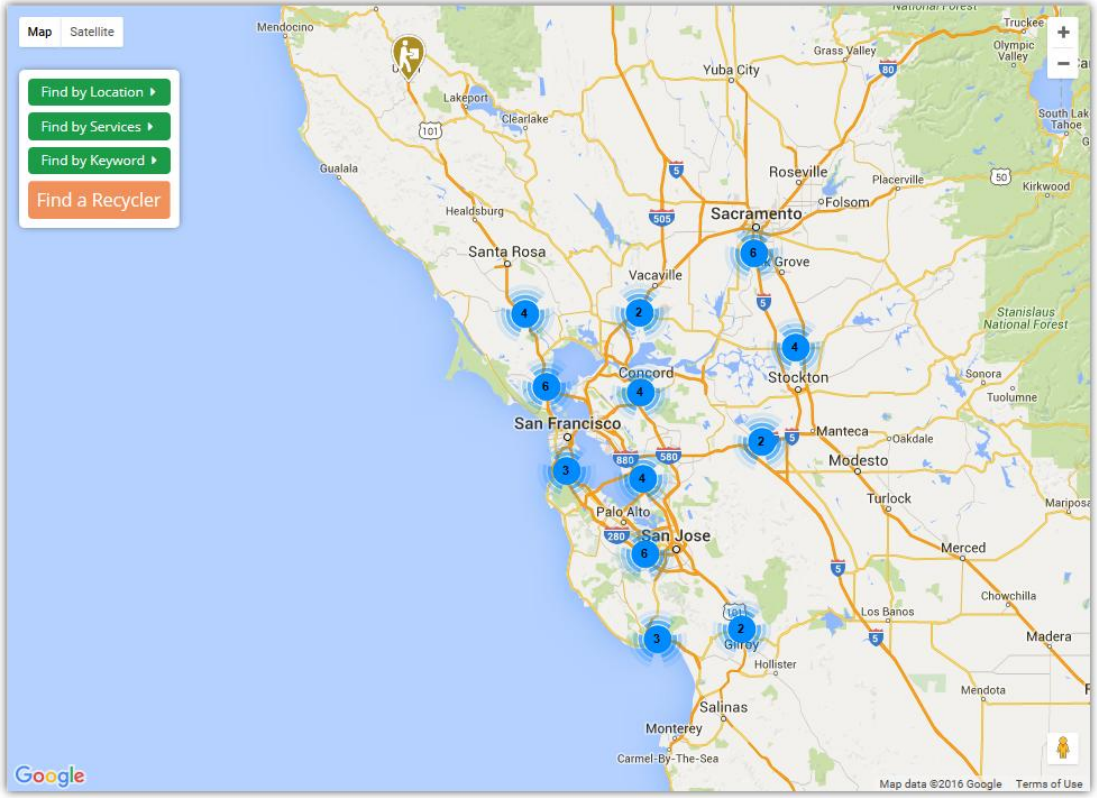

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Data Sheet Quick Find

Know Your Letters and Numbers?

S315

Clear Search

S315

Indoor high perfomance, smaller profile LED linear cove, integral driver

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Data Sheet | Product Fact Sheets
ITL Files | IES Files
BIM File | Installation Files

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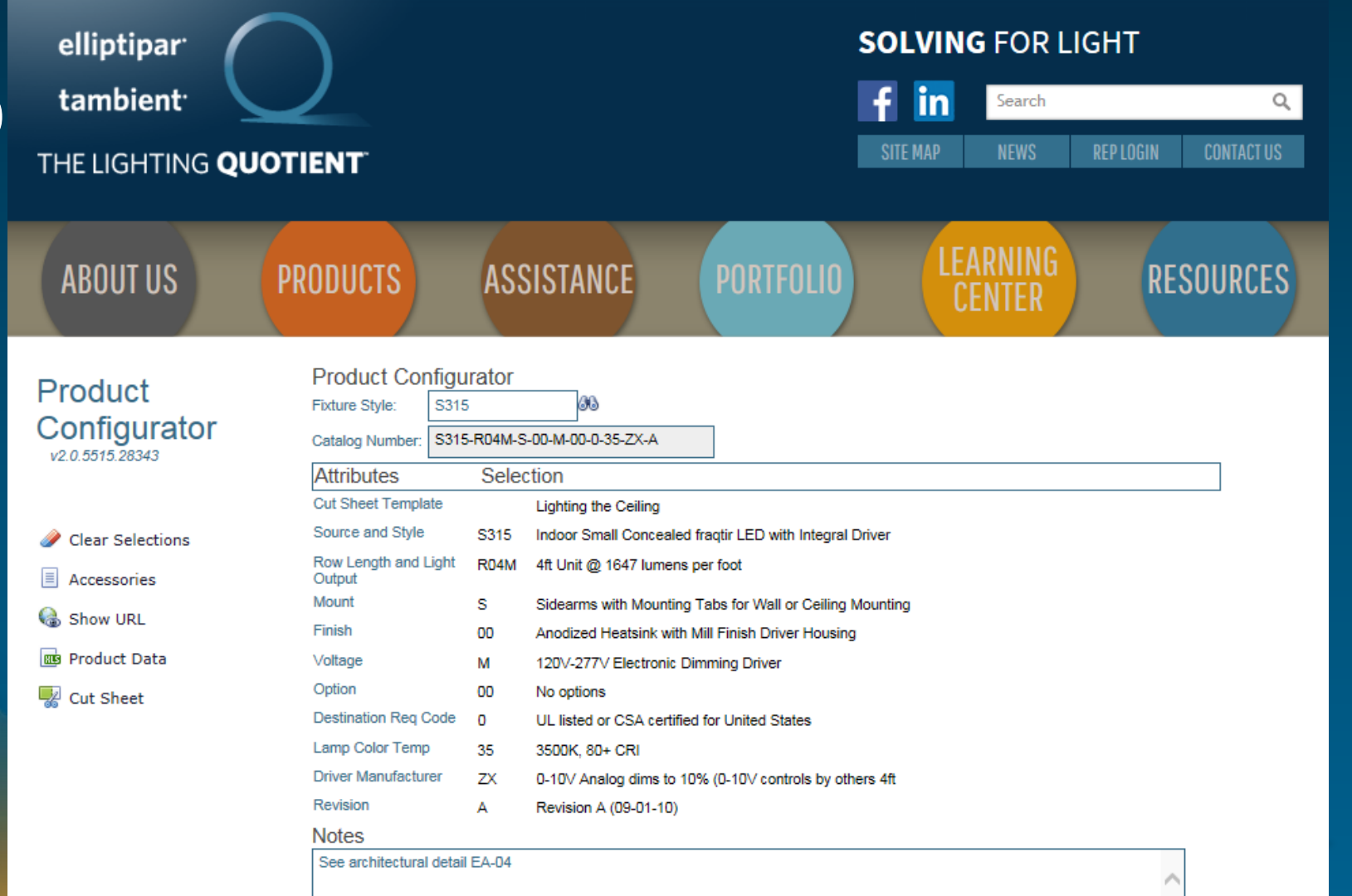
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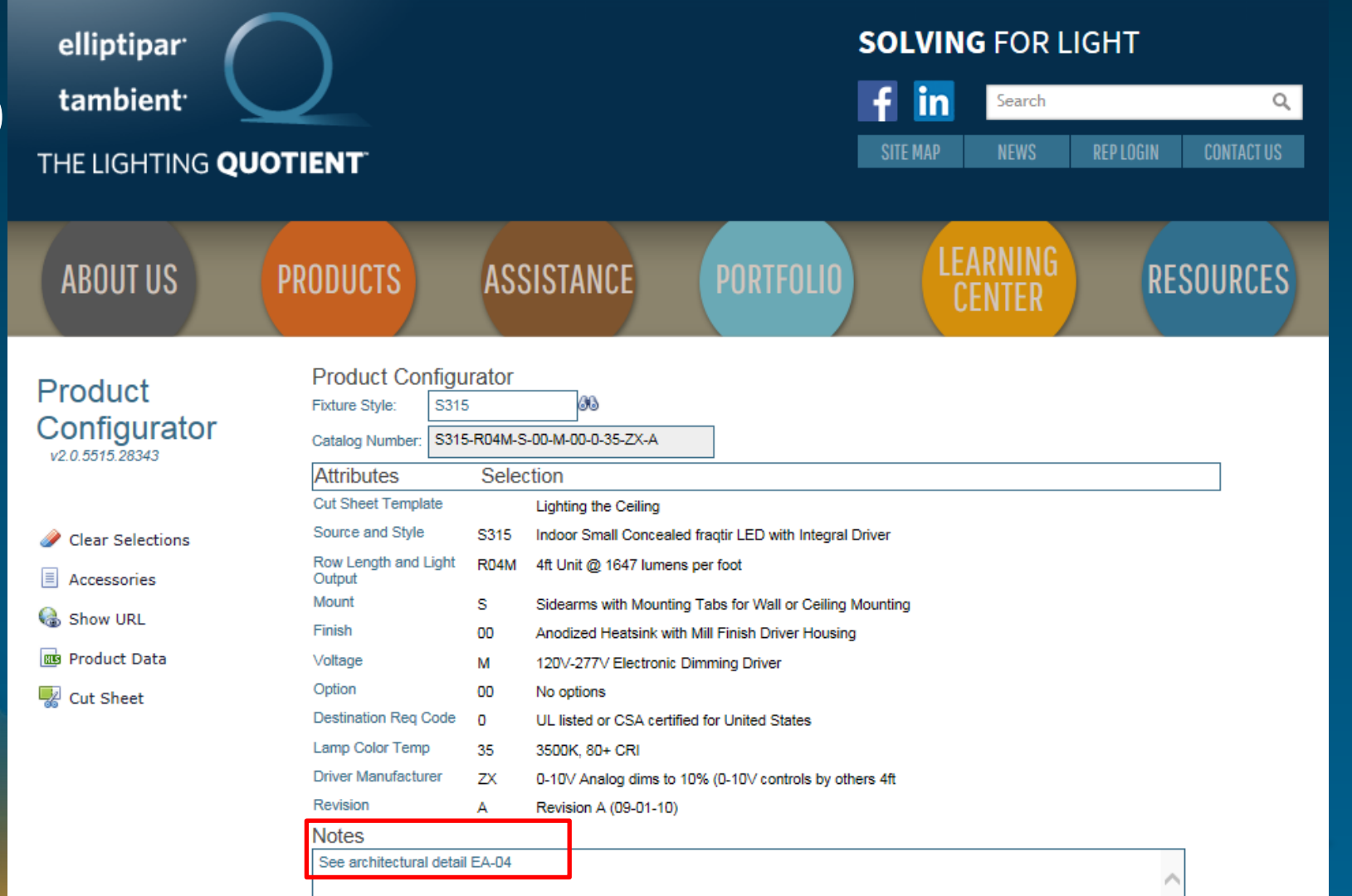
Product Configurator
v2.0.5515.28343
Clear Selections
Accessories
Show URL
Product Data
Cut Sheet
Product Configurator
Fixture Style: S315
Catalog Number: S315-R04M-S-00-M-00-0-35-ZX-A
Attributes Selection
Cut Sheet Template Lighting the Ceiling
Source and Style S315 Indoor Small Concealed fraqtir LED with Integral Driver
Row Length and Light Output R04M 4ft Unit @ 1647 lumens per foot
Mount S Sidearms with Mounting Tabs for Wall or Ceiling Mounting
Finish 00 Anodized Heatsink with Mill Finish Driver Housing
Voltage M 120V-277V Electronic Dimming Driver
Option 00 No options
Destination Req Code 0 UL listed or CSA certified for United States
Lamp Color Temp 35 3500K, 80+ CRI
Driver Manufacturer ZX 0-10V Analog dims to 10% (0-10V controls by others 4ft
Revision A Revision A (09-01-10)
Notes
See architectural detail EA-04

Web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Product Data
Cut Sheet
Product Configurator
Fixture Style: S315
Catalog Number: S315-R04M-S-00-M-00-0-35-ZX-A
Attributes Selection
Cut Sheet Template Lighting the Ceiling
Source and Style S315 Indoor Small Concealed fraqtir LED with Integral Driver
Row Length and Light Output R04M 4ft Unit @ 1647 lumens per foot
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Voltage M 120V-277V Electronic Dimming Driver
Option 00 No options
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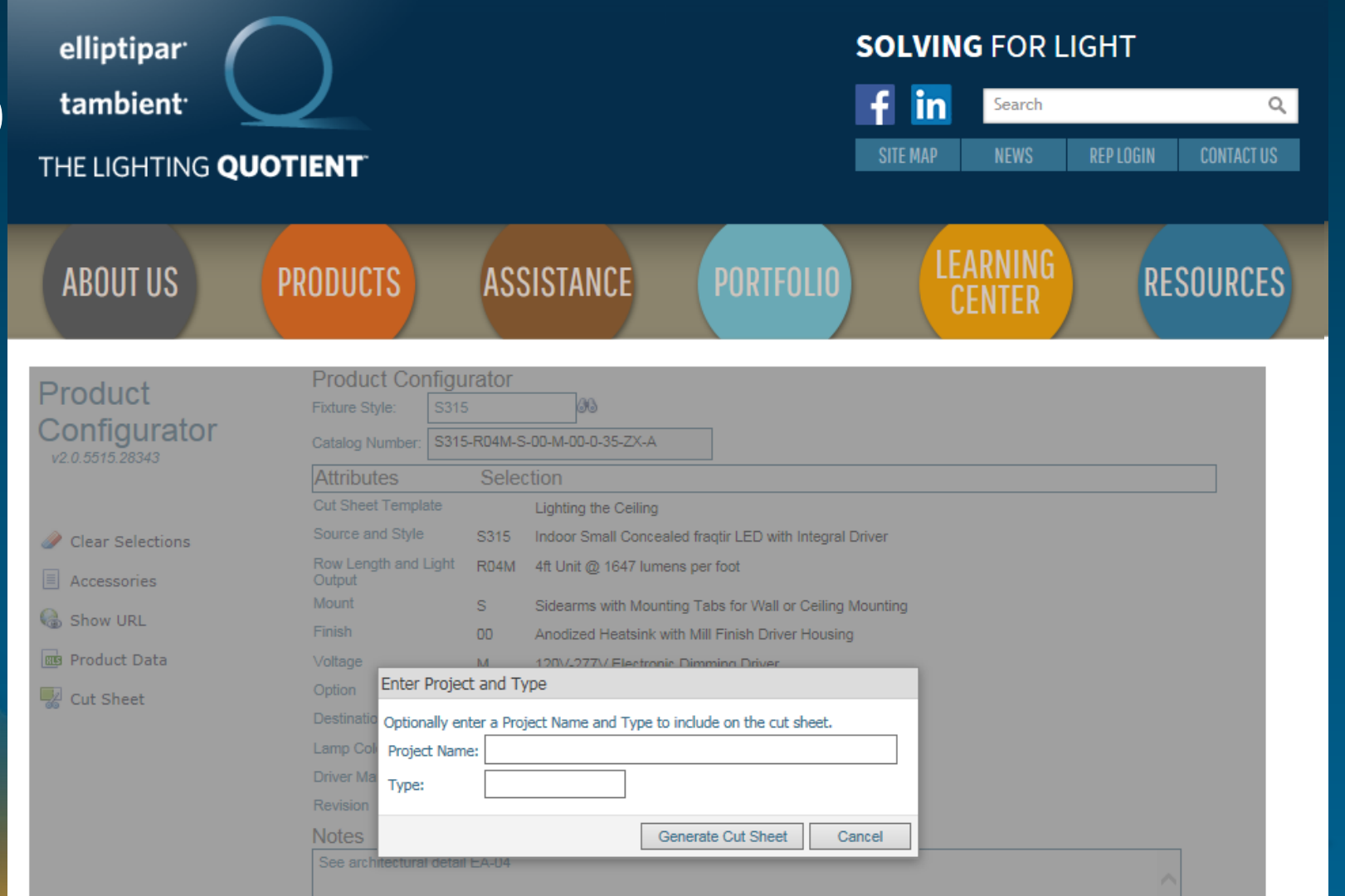
Driver Manufacturer ZX 0-10V Analog dims to 10% (0-10V controls by others 4ft
Revision A Revision A (09-01-10)
Notes
See architectural detail EA-04

Web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Product Data
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Product Configurator
Fixture Style: S315
Catalog Number: S315-R04M-S-00-M-00-0-35-ZX-A
Attributes
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Cut Sheet Template
Lighting the Ceiling
Source and Style
S315
Indoor Small Concealed fraqtir LED with Integral Driver
Row Length and Light Output
R04M
4ft Unit @ 1647 lumens per foot
Mount
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Sidearms with Mounting Tabs for Wall or Ceiling Mounting
Finish
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Anodized Heatsink with Mill Finish Driver Housing
Voltage
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Driver Ma
Revision
Notes
See architectural detail EA-04
Enter Project and Type
Optionally enter a Project Name and Type to include on the cut sheet.
Project Name:
Type:
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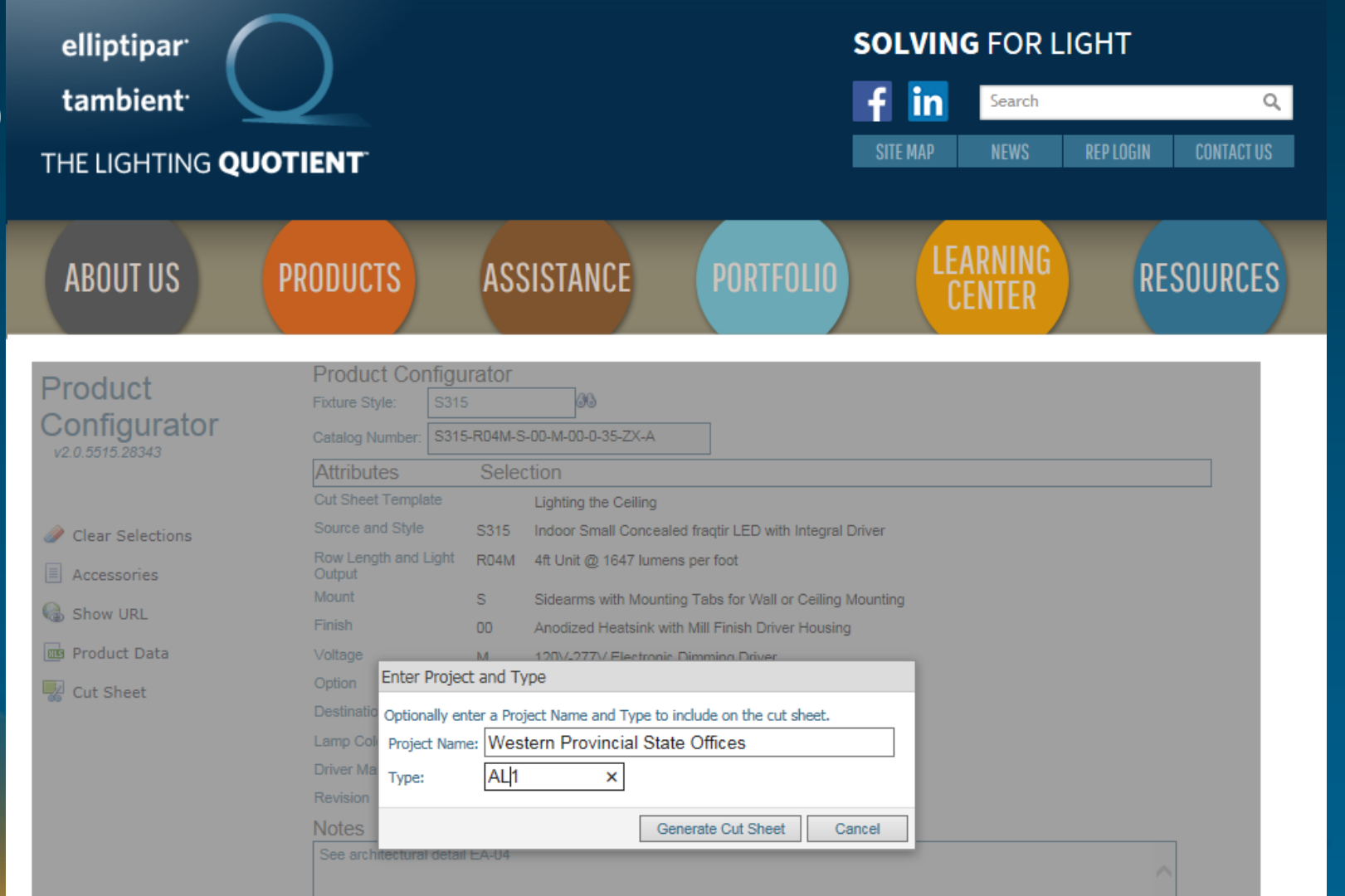
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Cut Sheet Template
Lighting the Ceiling
Source and Style
S315
Indoor Small Concealed fraqtir LED with Integral Driver
Row Length and Light Output
R04M
4ft Unit @ 1647 lumens per foot
Mount
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Sidearms with Mounting Tabs for Wall or Ceiling Mounting
Finish
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Anodized Heatsink with Mill Finish Driver Housing
Voltage
Option
Destinatio
Lamp Col
Driver Ma
Revision
Notes
See architectural detail EA-04
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Project Name: Western Provincial State Offices
Type: AL1
Generate Cut Sheet
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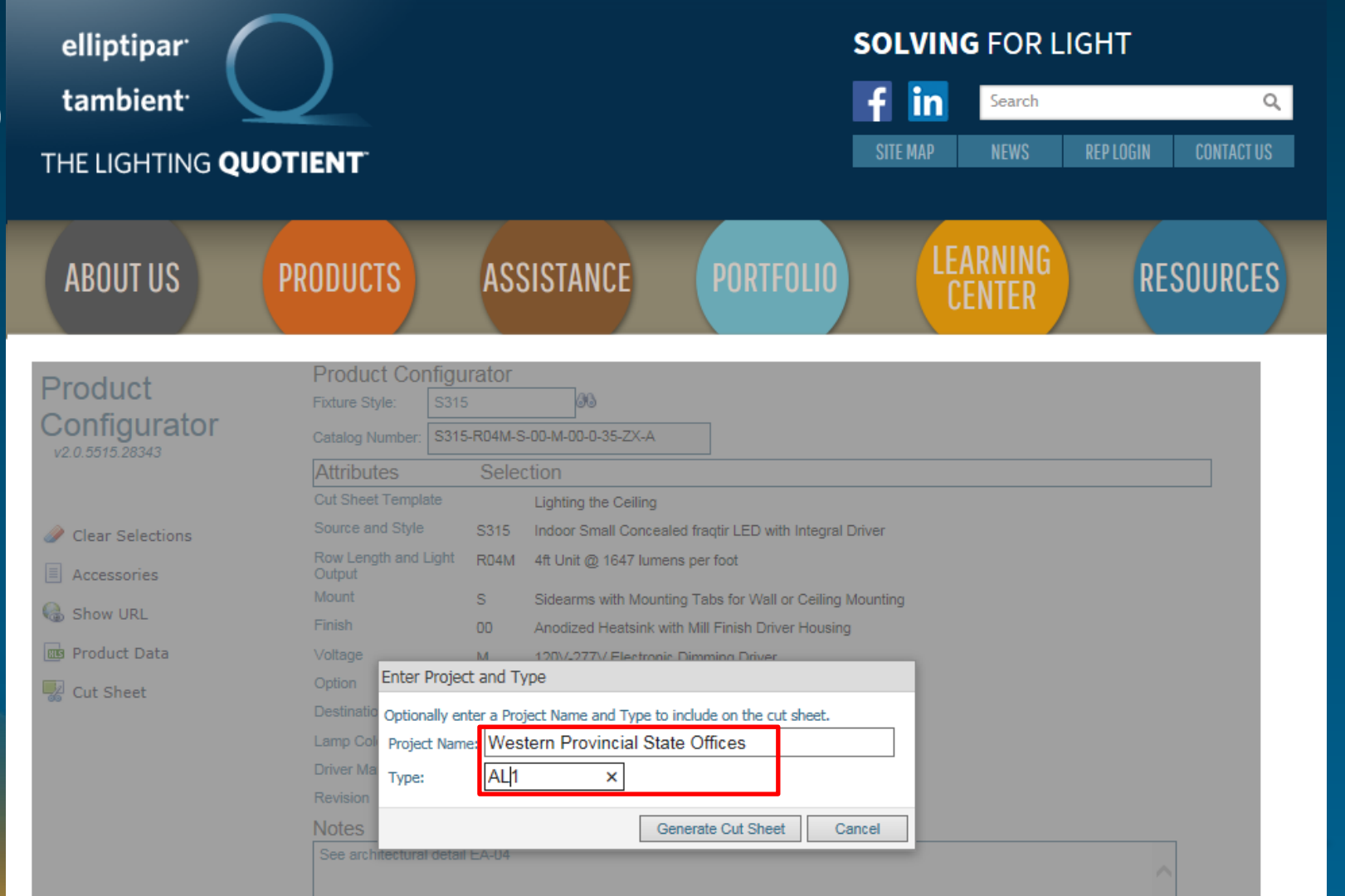
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Accessories
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Cut Sheet
Product Configurator
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Catalog Number: S315-R04M-S-00-M-00-0-35-ZX-A
Attributes
Selection
Cut Sheet Template
Lighting the Ceiling
Source and Style
S315
Indoor Small Concealed fraqtir LED with Integral Driver
Row Length and Light Output
R04M
4ft Unit @ 1647 lumens per foot
Mount
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Sidearms with Mounting Tabs for Wall or Ceiling Mounting
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Anodized Heatsink with Mill Finish Driver Housing
Voltage
Option
Destinatio
Lamp Col
Driver Ma
Revision
Notes
See architectural detail EA-04
Enter Project and Type
Optionally enter a Project Name and Type to include on the cut sheet.
Project Name:
Western Provincial State Offices
Type:
AL1
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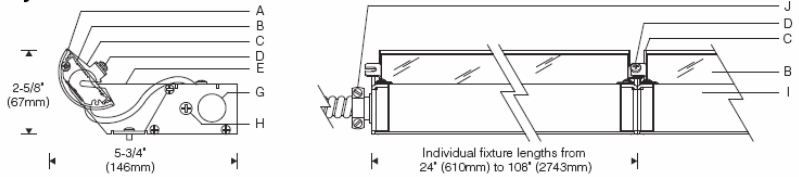
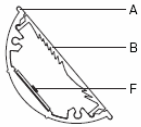
Lighting the Ceiling

Small linear concealed, integral driver | Solid State (LED) | **Style S315**

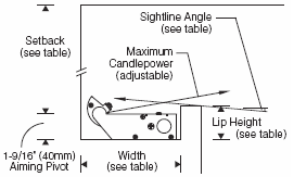
Style S315 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions
(maximum candlepower aimed 15° above horizontal)

	0° (horiz. cutoff)	5°	10°
Sightline			
Width *(inside)*	6-1/4" (159mm)	7-1/2" (190mm)	7-1/2" (190mm)
Lip *(inside)*	2-3/16" (56mm)	1-5/8" (41mm)	1-1/2" (38mm)
Setback	12" (305mm) min. recommended for 175mA, 18" (457mm) for 350mA; 24" (610mm) for 700mA.		

Note: Finish interior of cove matte white for best results.

Specifications

A Serviceable extruded aluminum heat sink/ housing
B Extruded acrylic beam shaping lens
C Stainless steel end plates with interlocking tabs
D Rotation locking tab with locking set screw
E Aluminum side arm with adjustable mounting tab (fasteners by others)
F Constant current LED board
G Conduit entry (one each end, conduit and connections by others)
H Driver/housing joiner screw (one per fixture)
I Extruded aluminum driver housing and drivers
J Supply conduit and connectors by others

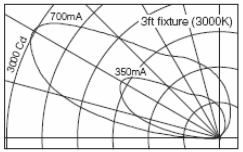
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Low profile – allows smaller cove height*

SC 18.0

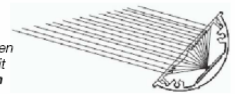
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



PROJECT NAME: **Western Provincial State Offices** TYPE: **AL1**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED with Integral Driver; 4ft Unit @ 1647 lumens per foot; Sidearms with Mounting Tabs for Wall or Ceiling Mounting; Anodized Heatsink with Mill Finish Driver Housing; 120V-277V Electronic Dimming Driver; No options; UL listed or CSA certified for United States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-10V controls by others 4ft; Revision A (09-01-10)

Notes: See architectural detail EA-04

LED lighting facts LED Product Partner

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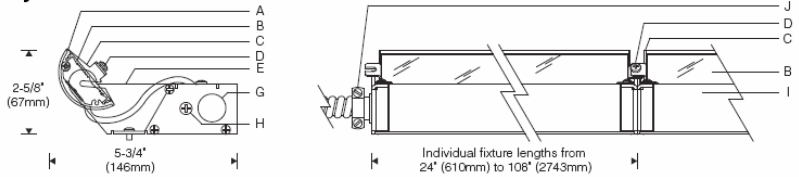
Lighting the Ceiling

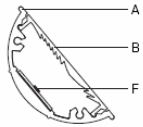
Small linear concealed, integral driver — Solid State (LED)

Style S315

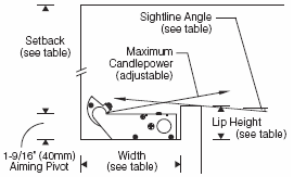
Style S315 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions

(maximum candlepower aimed 15° above horizontal)

	0° (horiz. cutoff)	5°	10°
Sightline			
Width *(inside)*	6-1/4" (159mm)	7-1/2" (190mm)	7-1/2" (190mm)
Lip *(inside)*	2-3/16" (56mm)	1-5/8" (41mm)	1-1/2" (38mm)
Setback	12" (305mm) min. recommended for 175mA, 18" (457mm) for 350mA; 24" (610mm) for 700mA.		

Note: Finish interior of cove matte white for best results.

Specifications

- **A** Serviceable extruded aluminum heat sink/ housing
- **B** Extruded acrylic beam shaping lens
- **C** Stainless steel end plates with interlocking tabs
- **D** Rotation locking tab with locking set screw
- **E** Aluminum side arm with adjustable mounting tab (fasteners by others)
- **F** Constant current LED board
- **G** Conduit entry (one each end, conduit and connections by others)
- **H** Driver/housing joiner screw (one per fixture)
- **I** Extruded aluminum driver housing and drivers
- **J** Supply conduit and connectors by others

PROJECT NAME: **Western Provincial State Offices** TYPE: **AL1**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED with Integral Driver; 4ft Unit @ 1647 lumens per foot; Sidearms with Mounting Tabs for Wall or Ceiling Mounting; Anodized Heatsink with Mill Finish Driver Housing; 120V-277V Electronic Dimming Driver; No options; UL listed or CSA certified for United States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-10V controls by others 4ft; Revision A (09-01-10)

Notes: See architectural detail EA-04

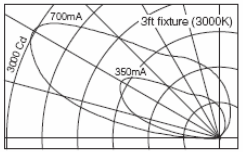
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Low profile – allows smaller cove height*

SC 18.0

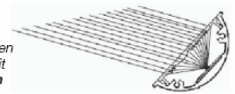
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



LED lighting facts LED Product Partner

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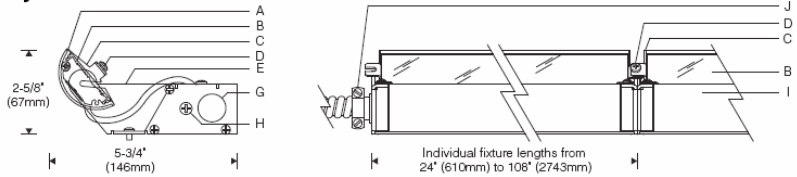
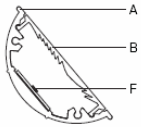
Lighting the Ceiling

Small linear concealed, integral driver | Solid State (LED) | **Style S315**

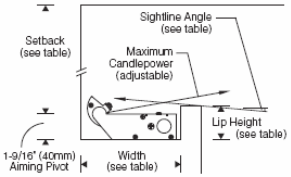
Style S315 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



Cove Dimensions
(maximum candlepower aimed 15° above horizontal)

	0° (horiz. cutoff)	5°	10°
Sightline			
Width *(inside)*	6-1/4" (159mm)	7-1/2" (190mm)	7-1/2" (190mm)
Lip *(inside)*	2-3/16" (56mm)	1-5/8" (41mm)	1-1/2" (38mm)
Setback	12" (305mm) min. recommended for 175mA, 18" (457mm) for 350mA; 24" (610mm) for 700mA.		

Note: Finish interior of cove matte white for best results.

Specifications

A Serviceable extruded aluminum heat sink/ housing
B Extruded acrylic beam shaping lens
C Stainless steel end plates with interlocking tabs
D Rotation locking tab with locking set screw
E Aluminum side arm with adjustable mounting tab (fasteners by others)
F Constant current LED board
G Conduit entry (one each end, conduit and connections by others)
H Driver/housing joiner screw (one per fixture)
I Extruded aluminum driver housing and drivers
J Supply conduit and connectors by others

PROJECT NAME: **Western Provincial State Offices** TYPE: **AL1**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED with Integral Driver; 4ft Unit @ 1647 lumens per foot; Sidearms with Mounting Tabs for Wall or Ceiling Mounting; Anodized Heatsink with Mill Finish Driver Housing; 120V-277V Electronic Dimming Driver; No options; UL listed or CSA certified for United States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-10V controls by others 4ft; Revision A (09-01-10)

Notes: See architectural detail EA-04

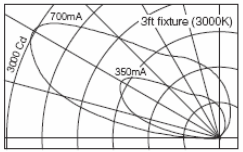
Features

- *Proprietary refractive lens technology*
- *Asymmetric distribution – uniform surface illumination*
- *Wide lateral distribution – no socket shadows*
- *Fully adjustable and lockable optic assembly*
- *Integral driver with optional pre-wired harness*
- *Low profile – allows smaller cove height*

SC 18.0

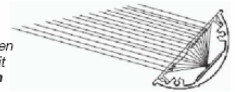
Performance

Precisely extruded acrylic lens produces an asymmetric distribution ideal for illuminating ceilings evenly.



L85(10k) > 60,000 hrs @ 25°C per TM-21

For photometric and lumen maintenance reports, visit ***thelightingquotient.com***



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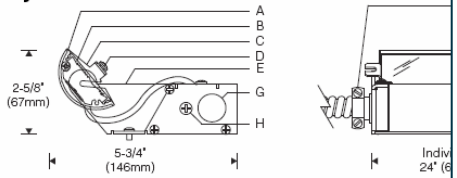
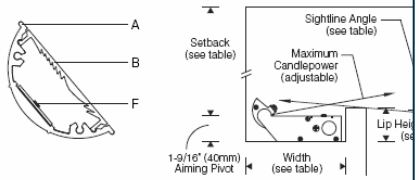
Lighting the Ceiling

Small linear concealed, integral drive

Style S315 1:4 Scale



Optical Assembly 1:2 Scale **Cove** 1:8 Scale



Specifications

A	Serviceable extruded aluminum heat sink/ housing	**C**	Stainless steel end plates with interlocking tabs	**F**	Const
B	Extruded acrylic beam shaping lens	**D**	Rotation locking tab with locking set screw	**G**	Cond end, by ot
		E	Aluminum side arm with adjustable mounting tab (fasteners by others)	**H**	Drive (one

PROJECT NAME: **Western Provincial State Offices**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED per foot; Sidearms with Mounting Tabs for Wall or Ceiling Driver Housing; 120V-277V Electronic Dimming Driver; N States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-1 (09-01-10)

Notes: See architectural detail EA-04

To Order

Style S315

Catalog Number

S315-R04M-S-00-M-00-0-35-ZX-A

Project: **Western Provincial State Offices**

Type: **AL1**

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed LED with integral driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G = 2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L = 2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M = 2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G = 3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L = 3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M = 3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G = 4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
R04L = 4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M = 4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05G = 5ft fixture,	180 LEDs @ 175mA,	17.0 watts,	2336 lm
R05L = 5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M = 5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06G = 6ft fixture,	216 LEDs @ 175mA,	20.4 watts,	2803 lm
R06L = 6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M = 6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07G = 7ft fixture,	252 LEDs @ 175mA,	23.8 watts,	3271 lm
R07L = 7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M = 7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08G = 8ft fixture,	288 LEDs @ 175mA,	27.2 watts,	3738 lm
R08L = 8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M = 8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G = 9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L = 9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M = 9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. **See website** for scaled performance table.

Note: Other drive currents are available, consult factory.

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

SC 18.1

6 Voltage/Driver

Electronic Driver	*Electronic Dimming Driver**
8 = 120-277V	**M** = 120-277V
3 = 347V	**K** = 347V

*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

0K = 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

30 = 3000K, 80+ CRI

35 = 3500K, 80+ CRI

40 = 4000K, 80+ 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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

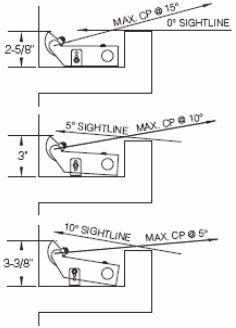
**Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document MA-1303

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

Adjustable Mounting Feet

The optical assembly is adjustable and lockable, in addition, the S315 is provided with mounting feet that can raise the optical assembly to achieve lower aiming angles.

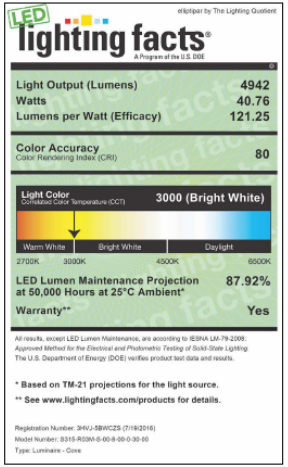


Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**

Middle position allows peak candlepower to be aimed as low as **10° above horizontal.**

High position allows peak candlepower to be aimed as low as **5° above horizontal.**

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/80+CRI) shown >



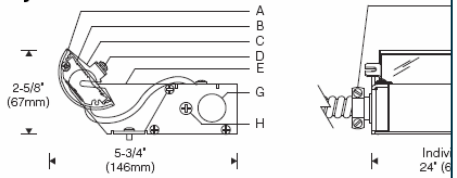
elliptipar with LED

elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

Lighting the Ceiling

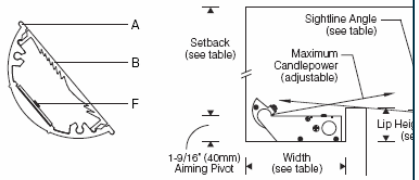
Small linear concealed, integral drive

Style S315 1:4 Scale



Optical Assembly 1:2 Scale

Cove 1:8 Scale



Specifications

A	Serviceable extruded aluminum heat sink/ housing	**C**	Stainless steel end plates with interlocking tabs	**F**	Const
B	Extruded acrylic beam shaping lens	**D**	Rotation locking tab with locking set screw	**G**	Cond end, by ot
		E	Aluminum side arm with adjustable mounting tab (fasteners by others)	**H**	Drive (one

PROJECT NAME: **Western Provincial State Offices**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED per foot; Sidearms with Mounting Tabs for Wall or Ceiling Driver Housing; 120V-277V Electronic Dimming Driver; N States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-1 (09-01-10)

Notes: See architectural detail EA-04

To Order

Style S315

Catalog Number

S315-R04M-S-00-M-00-0-35-ZX-A

Project: **Western Provincial State Offices**

Type: **AL1**

SC 18.1

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed LED with integral driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G = 2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L = 2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M = 2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G = 3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L = 3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M = 3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G = 4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
R04L = 4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M = 4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05G = 5ft fixture,	180 LEDs @ 175mA,	17.0 watts,	2336 lm
R05L = 5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M = 5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06G = 6ft fixture,	216 LEDs @ 175mA,	20.4 watts,	2803 lm
R06L = 6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M = 6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07G = 7ft fixture,	252 LEDs @ 175mA,	23.8 watts,	3271 lm
R07L = 7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M = 7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08G = 8ft fixture,	288 LEDs @ 175mA,	27.2 watts,	3738 lm
R08L = 8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M = 8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G = 9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L = 9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M = 9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. **See website** for scaled performance table.

Note: Other drive currents are available, consult factory.

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
3 = 347V	**K** = 347V

*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

0K = 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

30 = 3000K, 80+ CRI

35 = 3500K, 80+ CRI

40 = 4000K, 80+ 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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

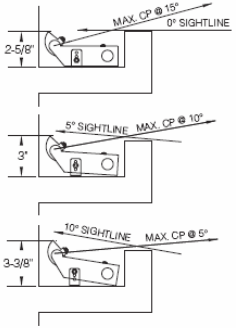
**Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document MA-1303

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

Adjustable Mounting Feet

The optical assembly is adjustable and lockable, in addition, the S315 is provided with mounting feet that can raise the optical assembly to achieve lower aiming angles.



Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**

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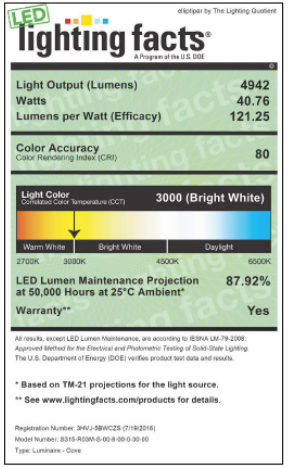
3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/80+CRI) shown >



Certain products illustrated may be covered by applicable patents and patents pending. These specifications supersede all prior publications and are subject to change without notice.

elliptipar with LED

elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
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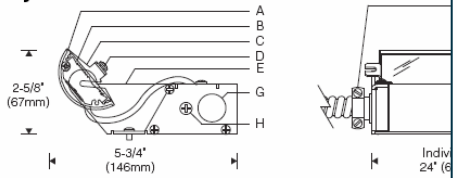
Lighting the Ceiling

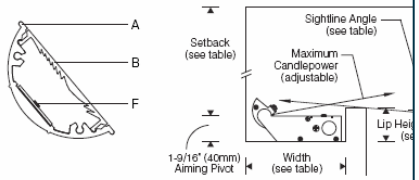
Small linear concealed, integral drive

Style S315 1:4 Scale



Optical Assembly 1:2 Scale

Cove 1:8 Scale



Specifications

A	Serviceable extruded aluminum heat sink/ housing	**C**	Stainless steel end plates with interlocking tabs	**F**	Const
B	Extruded acrylic beam shaping lens	**D**	Rotation locking tab with locking set screw	**G**	Cond end, by ot
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PROJECT NAME: **Western Provincial State Offices**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED per foot; Sidearms with Mounting Tabs for Wall or Ceiling Driver Housing; 120V-277V Electronic Dimming Driver; N States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-1 (09-01-10)

Notes: See architectural detail EA-04

To Order

Style S315

Catalog Number

S315-R04M-S-00-M-00-0-35-ZX-A

Project: **Western Provincial State Offices**

Type: **AL1**

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed LED with integral driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G = 2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L = 2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M = 2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G = 3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L = 3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M = 3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G = 4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
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R08M = 8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G = 9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L = 9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M = 9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. **See website** for scaled performance table.

Note: Other drive currents are available, consult factory.

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

SC 18.1

6 Voltage/Driver

Electronic Driver	*Electronic Dimming Driver**
8 = 120-277V	**M** = 120-277V
3 = 347V	**K** = 347V

*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

0K = Modular through-wire harness with quick connectors

8 Destination Requirement

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

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9 Color Temperature

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

10 Dimming**

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

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Refer to Driver Information document MA-1303

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

Adjustable Mounting Feet

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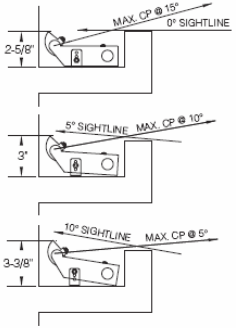

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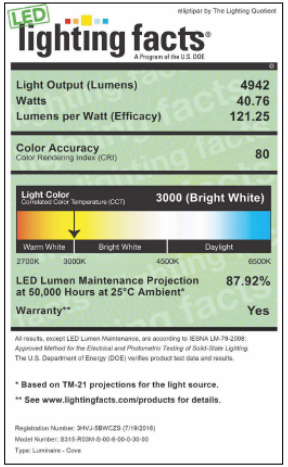

elliptipar with LED

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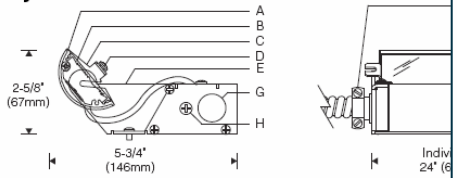
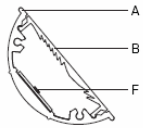
Lighting the Ceiling

Small linear concealed, integral drive

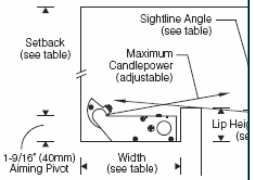
Style S315 1:4 Scale



Optical Assembly 1:2 Scale



Cove 1:8 Scale



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B	Extruded acrylic beam shaping lens	**D**	Rotation locking tab with locking set screw	**G**	Cond end, by ot
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PROJECT NAME: **Western Provincial State Offices**

CATALOG NUMBER: **S315-R04M-S-00-M-00-0-35-ZX-A**

Lighting the Ceiling; Indoor Small Concealed fraqtir LED per foot; Sidearms with Mounting Tabs for Wall or Ceiling Driver Housing; 120V-277V Electronic Dimming Driver; N States; 3500K, 80+ CRI; 0-10V Analog dims to 10% (0-1 (09-01-10)

Notes: See architectural detail EA-04

To Order

Style S315

Catalog Number

S315-R04M-S-00-M-00-0-35-ZX-A

Project: **Western Provincial State Offices**

Type: **AL1**

SC 18.1

1 Source

S = Solid state (LED)

2 Style

315 = Small linear concealed LED with integral driver

3 Length and Light Output

Length, number of LEDs, drive current, input power and delivered lumens below.

R02G = 2ft fixture,	72 LEDs @ 175mA,	6.8 watts,	934 lm
R02L = 2ft fixture,	72 LEDs @ 350mA,	13.6 watts,	1725 lm
R02M = 2ft fixture,	72 LEDs @ 700mA,	27.2 watts,	3295 lm
R03G = 3ft fixture,	108 LEDs @ 175mA,	10.2 watts,	1402 lm
R03L = 3ft fixture,	108 LEDs @ 350mA,	20.4 watts,	2587 lm
R03M = 3ft fixture,	108 LEDs @ 700mA,	40.8 watts,	4942 lm
R04G = 4ft fixture,	144 LEDs @ 175mA,	13.6 watts,	1869 lm
R04L = 4ft fixture,	144 LEDs @ 350mA,	27.2 watts,	3450 lm
R04M = 4ft fixture,	144 LEDs @ 700mA,	54.3 watts,	6589 lm
R05G = 5ft fixture,	180 LEDs @ 175mA,	17.0 watts,	2336 lm
R05L = 5ft fixture,	180 LEDs @ 350mA,	34.0 watts,	4312 lm
R05M = 5ft fixture,	180 LEDs @ 700mA,	67.9 watts,	8237 lm
R06G = 6ft fixture,	216 LEDs @ 175mA,	20.4 watts,	2803 lm
R06L = 6ft fixture,	216 LEDs @ 350mA,	40.8 watts,	5175 lm
R06M = 6ft fixture,	216 LEDs @ 700mA,	81.5 watts,	9884 lm
R07G = 7ft fixture,	252 LEDs @ 175mA,	23.8 watts,	3271 lm
R07L = 7ft fixture,	252 LEDs @ 350mA,	47.6 watts,	6037 lm
R07M = 7ft fixture,	252 LEDs @ 700mA,	95.1 watts,	11531 lm
R08G = 8ft fixture,	288 LEDs @ 175mA,	27.2 watts,	3738 lm
R08L = 8ft fixture,	288 LEDs @ 350mA,	54.3 watts,	6900 lm
R08M = 8ft fixture,	288 LEDs @ 700mA,	108.7 watts,	13179 lm
R09G = 9ft fixture,	324 LEDs @ 175mA,	30.6 watts,	4205 lm
R09L = 9ft fixture,	324 LEDs @ 350mA,	61.1 watts,	7762 lm
R09M = 9ft fixture,	324 LEDs @ 700mA,	122.3 watts,	14826 lm

Based on 3000K/80+CRI. **See website** for scaled performance table.

Note: Other drive currents are available, consult factory.

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
3	= 347V	**K**	= 347V

*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

0K = 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

30 = 3000K, 80+ CRI

35 = 3500K, 80+ CRI

40 = 4000K, 80+ 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

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)

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

ED = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, DALI controls by others

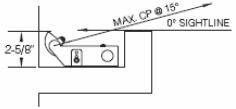
**Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document MA-1303

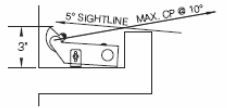
Note: Number of drivers varies with number of LEDs, drive current and driver type.

Adjustable Mounting Feet

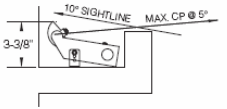
The optical assembly is adjustable and lockable, in addition, the S315 is provided with mounting feet that can raise the optical assembly to achieve lower aiming angles.



Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**

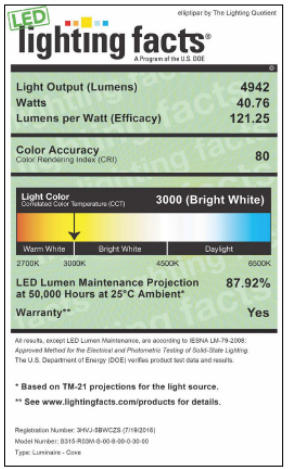


Middle position allows peak candlepower to be aimed as low as **10° above horizontal.**



High position allows peak candlepower to be aimed as low as **5° above horizontal.**

3ft/108 LEDs @ 700mA, 862 lm/ft (3000K/80+CRI) shown >



elliptipar with LED

elliptipar *from* **The Lighting Quotient**
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • **thelightingquotient.com**

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S315

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S315

Indoor high perfomance, smaller profile LED linear cove, integral driver

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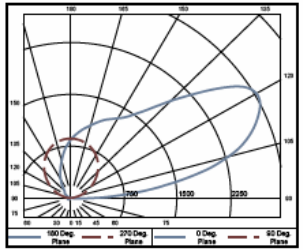
The Lighting Quotient
Catalog Number
S315-R03M-S-00-8-00-0-30-00

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.3405 A	40.76 W	0.997	60 Hz	5.87 %

Summary of Results

Total Lumen Output	4942 Lumens
Luminaire Efficacy	121.3 lm/w
Maximum Candela	3020 Candela
CCT	3075 K
CRI	82.5
Duv	-0.0009
TM-30 Rf	82.3
TM-30 Rg	95.0

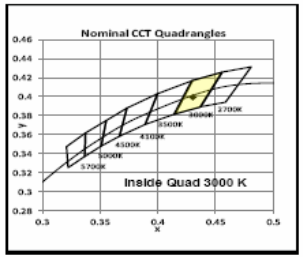


Intensity (Candlepower) Summary

Angle	Mean CP	Lumens
0	5	
5	5	0
10	5	
15	4	1
20	3	
25	3	1
30	3	
35	5	3
40	7	
45	8	7
50	9	
55	11	10
60	12	
65	13	13
70	13	
75	11	12
80	9	
85	36	54
90	163	

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3	0.1%
0-40	6	0.1%
0-60	22	0.5%
0-90	100	2.1%
40-90	94	2.0%
60-90	78	1.6%
90-180	4644	97.9%
0-180	4744	100.0%



Spacing Criteria

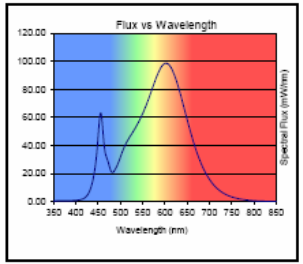
0-180	0.53
90-270	4.82

Color Rendering Index Details

Ra (CRI)	82.5
R1	81.1
R2	91.7
R3	95.7
R4	79.2
R5	81
R6	89.2
R7	82.5
R8	59.7
R9	9.4
R10	80.4
R11	77.6
R12	69.3
R13	83.8
R14	98.4

Average Luminance cd/m²

Vertical Angle	Horizontal Angle 0°
0	37
45	0
55	0
65	0
75	0
85	1666



Chromaticity Coordinates

Chromaticity (x)	0.4303
Chromaticity (y)	0.3996
Chromaticity (u)	0.2483
Chromaticity (v)	0.3457
Chromaticity (u')	0.2483
Chromaticity (v')	0.5186
Duv	-0.0009

Cone of Light Tabulation

Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	0.308	9.66
6.00	0.137	14.5
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #1265418

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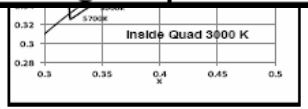
The Lighting Quotient
Catalog Number
S315-R03M-S-00-8-00-0-30-00

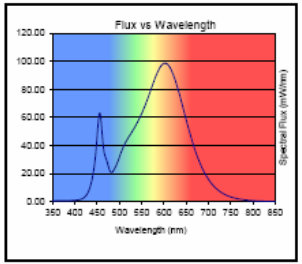
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.3405 A	40.76 W	0.997	60 Hz	5.87 %

Summary of Results

Total Lumen Output	4942 Lumens
Luminaire Efficacy	121.3 lm/w
Maximum Candela	3020 Candela
CCT	3075 K
CRI	82.5
Duv	-0.0009
TM-30 Rf	82.3
TM-30 Rg	95.0



Average Luminance cd/m²	
Vertical Angle	Horizontal Angle 0°
0	37
45	0
55	0
65	0
75	0
85	1666



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	0.308	9.66
6.00	0.137	14.5
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Details	
	82.5
R1	81.1
R2	91.7
R3	95.7
R4	79.2
R5	81
R6	89.2
R7	82.5
R8	59.7
R9	9.4
R10	80.4
R11	77.6
R12	69.3
R13	83.8
R14	98.4

Chromaticity Coordinates	
Chromaticity (x)	0.4303
Chromaticity (y)	0.3996
Chromaticity (u)	0.2483
Chromaticity (v)	0.3457
Chromaticity (u')	0.2483
Chromaticity (v')	0.5186
Duv	-0.0009

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #1265418

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The Lighting Quotient
Catalog Number
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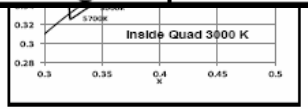
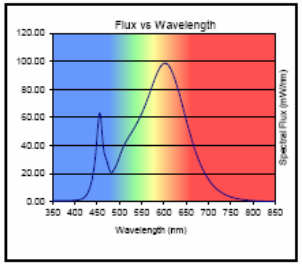
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.3405 A	40.76 W	0.997	60 Hz	5.87 %

Summary of Results

Total Lumen Output	4942 Lumens
Luminaire Efficacy	121.3 lm/w
Maximum Candela	3020 Candela
CCT	3075 K
CRI	82.5
Duv	-0.0009
TM-30 Rf	82.3
TM-30 Rg	95.0



Average Luminance cd/m²	
Vertical Angle	Horizontal Angle 0°
0	37
45	0
55	0
65	0
75	0
85	1666



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	0.308	9.66
6.00	0.137	14.5
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Details	
	82.5
R1	81.1
R2	91.7
R3	95.7
R4	79.2
R5	81
R6	89.2
R7	82.5
R8	59.7
R9	9.4
R10	80.4
R11	77.6
R12	69.3
R13	83.8
R14	98.4

Chromaticity Coordinates	
Chromaticity (x)	0.4303
Chromaticity (y)	0.3996
Chromaticity (u)	0.2483
Chromaticity (v)	0.3457
Chromaticity (u')	0.2483
Chromaticity (v')	0.5186
Duv	-0.0009

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #1265418

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Photometric Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2011, ANSI C82.77-2002
CIE 13.3-1995, CIE 15-2004, IES TM-30-15, UL 1598-2008

Prepared For
The Lighting Quotient
Paul Ford
114 Boston Post Road
West Haven, CT 06516
United States

Catalog Number
S315-R03M-S-00-8-00-0-30-00
Order Number
11356368
Test Number
1265418

Test Date

2016-07-13 - 2016-07-15

Prepared By

Javier Caban, Technician

Approved By

Timothy Wagner, Project Handler

Summar
Total Lumen Outpu
Luminaire Efficacy
Maximum Candel
CCT
CRI
Duv
TM-30 Rf
TM-30 Rg

Total
Lum
Maxi

Zonal Lum

Zone	Lu
0-30	
0-40	
0-60	
0-80	
40-90	
60-90	
90-180	
0-180	

Spacir
0-180
90-270

Average Luminance cd/m²

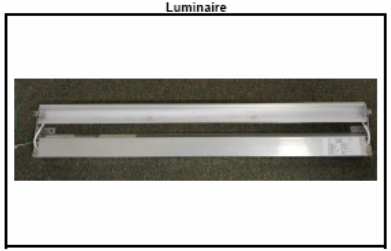
Vertical Angle	Horizontal Ang
0	37
45	0
55	0
65	0
75	0
85	1666

Cone of Light Tabulation

Mounting Height (Ft)	Footcandles at Nadir	Diamete
4.00	0.308	9.6
6.00	0.137	14.3
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Luminaire Description: Formed Aluminum Housing and Driver Channel, Semi Specular Inner Reflector, linear prismatic frosted plastic lens Semi Specular Outer Reflector
Lamp: 108 White LEDs
Mounting: Surface
Ballast/Driver: Everline D10CC55UNVTW-C

Luminaire



Luminaire Characteristics
Luminous Length: 5.75 in.
Luminous Width: 36.00 in.
Luminous Height: 2.63 in.

Summary of Results

Integrating Sphere

Luminous Flux:	4942 Lumens
Efficacy:	121.3 lm/w
CCT:	3075 K
CRI (Ra):	82.5

Distribution

Total Luminaire Output:	4744 Lumens
Luminaire Efficacy:	116.4 lm/w
Maximum Candela:	3020 Candela

Electrical Data at 277 VAC

Test Temperature:	24.8 °C
Voltage:	277.0 VAC
Current:	0.1515 A
Power:	40.88 W
Power Factor:	0.974
Frequency:	60 Hz
Current THD:	7.74 %

In-Situ

LED Temperature:	46.1 °C
Driver Temperature:	39.3 °C
Measured LED Current:	0.1163 A

Temperature is offset to an ambient temperature of 25°C as described in UL1598-2008.

Summar
Total Lumen Outp
Luminaire Efficac
Maximum Candel
CCT
CRI
Duv
TM-30 Rf
TM-30 Rg

Total
Lum
Maxi

Zonal Lum	
Zone	Lu
0-30	
0-40	
0-60	
0-80	
40-90	
60-90	
90-180	
0-180	

Spacir
0-180
90-270

Average Luminance cd/m²	
Vertical Angle	Horizontal Ang
0	37
45	0
55	0
65	0
75	0
85	1666

Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diamete
4.00	0.308	9.6
6.00	0.137	14.3
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Luminaire Description

Lamp:
Mounting:
Ballast/Driver:

Integr
Luminous Flux:
Efficacy:
CCT:
CRI (Ra):

Electrical
Test Temperatur
Voltage:
Current:
Power:
Power Factor:
Frequency:
Current THD:

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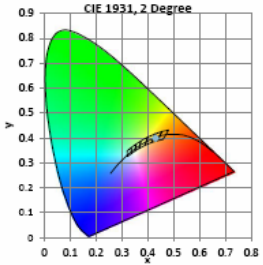
Color Quality - Integrating Sphere

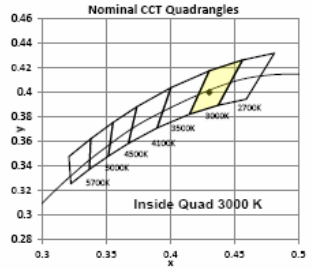
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.3403 A	40.73 W	0.998	60 Hz	5.92 %

Summary of Results

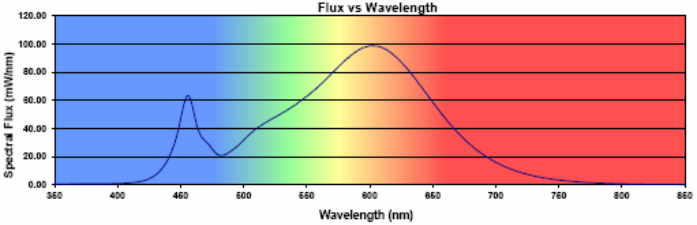
Total Output:	4942 Lumens	**Chromaticity (x):**	0.4303
Efficacy:	121.3 lm/w	**Chromaticity (y):**	0.3995
CCT:	3075 K	**Chromaticity (u'):**	0.2483
CRI (Ra):	82.5	**Chromaticity (v'):**	0.5186
CRI (R9):	9.4	**TM-30 R_f:**	82.3
Peak Wavelength:	602 nm	**TM-30 R_g:**	95.0
Dominant Wavelength:	582.8 nm	**Duv:**	-0.0009
S/P Ratio:	1.385		





Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.5	81.1	91.7	95.7	79.2	81.0	89.2	82.5	59.7	9.4	80.4	77.6	69.3	83.8	98.4



Distribution - Goniophotometer

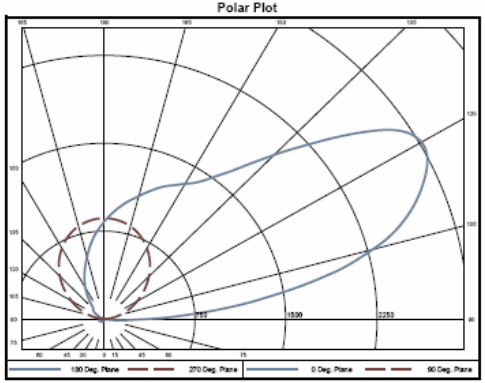
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.3405 A	40.76 W	0.997	60 Hz	5.87 %

Summary of Results

Spacing Criteria			
0-180: 0.53	Total Lumen Output:	4744 Lumens	
90-270: 4.82	Luminaire Efficacy:	116.4 lm/w	
	Maximum Candela:	3020 Candela	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.1	0.0%	60-65	5.9	0.1%	120-125	417.0	8.8%
5-10	0.3	0.0%	65-70	6.6	0.1%	125-130	361.7	7.6%
10-15	0.5	0.0%	70-75	6.5	0.1%	130-135	310.5	6.5%
15-20	0.6	0.0%	75-80	5.4	0.1%	135-140	271.0	5.7%
20-25	0.6	0.0%	80-85	11.3	0.2%	140-145	241.9	5.1%
25-30	0.7	0.0%	85-90	42.3	0.9%	145-150	217.5	4.6%
30-35	1.2	0.0%	90-95	152.8	3.2%	150-155	192.6	4.1%
35-40	2.1	0.0%	95-100	266.9	5.6%	155-160	164.2	3.5%
40-45	2.9	0.1%	100-105	372.2	7.8%	160-165	132.1	2.8%
45-50	3.6	0.1%	105-110	442.6	9.3%	165-170	97.2	2.0%
50-55	4.4	0.1%	110-115	467.2	9.8%	170-175	59.6	1.3%
55-60	5.1	0.1%	115-120	466.5	9.6%	175-180	20.1	0.4%

Zone	Lumens	% of Luminaire
0-40	6	0.1%
0-60	22	0.5%
0-90	100	2.1%
90-180	4644	97.9%

Summar
Total Lumen Outpu
Luminaire Efficacy
Maximum Candel
CCT
CRI
Duv
TM-30 Rf
TM-30 Rg

Total
Lum
Maxi

Zonal Lum	
Zone	Lu
0-30	
0-40	
0-60	
0-80	
40-90	
60-90	
90-180	
0-180	

Spacir
0-180
90-270

Average Luminance cd/m²	
Vertical Angle	Horizontal Ang
0	37
45	0
55	0
65	0
75	0
85	1666

Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diamete
4.00	0.308	9.66
6.00	0.137	14.3
8.00	0.0770	19.3
10.0	0.0493	24.2
12.0	0.0342	29.0
14.0	0.0252	33.8
16.0	0.0193	38.6

Luminaire Description

Lamp:
Mounting:
Ballast/Driver:

Integr
Luminous Flux:
Efficacy:
CCT:
CRI (Ra):

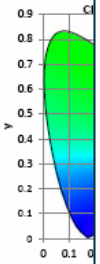
Electrical
Test Temperatu
Voltage:
Current:
Power:
Power Factor:
Frequency:
Current THD:

Javier Ca

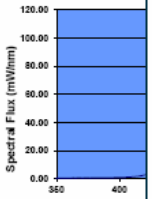
This rep
This re

Temperatur
24.8 °C

Total Output
Efficacy:
CCT:
CRI (Ra):
CRI (R9):
Peak Wavel
Dominant W
S/P Ratio:



Ra (CRI)	R1
82.5	81.



Temperature
25.1 °C

Sp

Zone	Lumens
0-5	0.1
5-10	0.3
10-15	0.5
15-20	0.6
20-25	0.6
25-30	0.7
30-35	1.2
35-40	2.1
40-45	2.9
45-50	3.6
50-55	4.4
55-60	5.1

Candela Tabulation
Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	4
10	4	4	4	4	5	5	6	6	5	6	6	5	5	4	4	4
15	3	3	3	3	4	4	5	6	6	6	5	4	4	3	3	3
20	2	2	2	2	3	4	5	5	6	5	5	4	3	2	2	2
25	1	1	1	1	2	3	4	5	5	5	4	3	2	1	1	1
30	1	1	1	1	2	3	4	7	12	7	4	3	2	1	1	1
35	0	0	0	0	1	3	5	20	26	20	5	3	1	0	0	0
40	0	0	0	0	1	3	12	27	29	27	12	3	1	0	0	0
45	0	0	0	0	1	2	20	28	32	28	20	2	1	0	0	0
50	0	0	0	0	1	4	23	31	35	31	23	4	1	0	0	0
55	0	0	0	0	1	8	25	33	37	33	25	8	1	0	0	0
60	0	0	0	0	0	10	26	36	40	36	26	10	0	0	0	0
65	0	0	0	0	0	14	28	38	43	38	28	14	0	0	0	0
70	0	0	0	0	0	15	30	40	42	40	30	15	0	0	0	0
75	0	1	1	0	0	15	28	30	29	30	28	15	0	0	1	1
80	0	3	5	1	0	15	19	19	20	19	19	15	0	1	5	3
85	121	114	65	10	1	9	12	14	15	14	12	9	1	10	65	114
90	362	408	446	238	4	4	7	10	11	10	7	4	4	238	446	408
95	961	1032	1019	507	37	2	4	6	7	6	4	2	37	507	1019	1032
100	1664	1699	1520	630	80	16	2	3	4	3	2	16	80	630	1520	1699
105	2286	2307	1933	697	134	43	16	1	1	1	16	43	134	697	1933	2307
110	2683	2700	2077	717	193	67	39	24	20	24	39	67	193	717	2077	2700
115	2922	2894	1968	720	254	89	65	46	43	46	65	89	254	720	1968	2894
120	3017	2815	1737	726	317	128	90	71	68	71	90	126	317	726	1737	2815
125	2813	2477	1515	741	383	179	101	100	97	100	101	179	383	741	1515	2477
130	2377	2081	1342	767	450	236	127	114	119	114	127	236	450	767	1342	2081
135	1982	1753	1229	799	517	303	181	125	123	125	181	303	517	799	1229	1753
140	1658	1508	1171	832	581	369	243	176	162	176	243	369	581	832	1171	1508
145	1447	1361	1140	862	642	439	310	243	226	243	310	439	642	862	1140	1361
150	1332	1283	1111	889	698	509	379	314	301	314	379	509	698	889	1111	1283
155	1255	1218	1077	909	747	578	452	387	375	387	452	578	747	909	1077	1218
160	1173	1142	1042	918	787	646	530	465	454	465	530	646	787	918	1042	1142
165	1084	1065	1003	916	819	707	612	552	540	552	612	707	819	916	1003	1065
170	1006	993	956	903	842	760	694	649	640	649	694	760	842	903	956	993
175	921	915	900	880	855	806	768	744	741	744	768	806	855	880	900	915
180	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
0	37	37	37
45	0	0	6
55	0	0	6
65	0	0	6
75	0	17	10
85	1666	1053	40

LM80 Data for LED

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THE LIGHTING QUOTIENT®
www.TheLightingQuotient.com

LM80 Data

Data Set 2 : 55 °C, 150 mA

Actual Case Temperature [T_S]	56.4 °C
Actual Ambient Temperature [T_A]	55.1 °C
Drive Current [I_F]	150 mA
Measurement Current	150 mA

NOTES:
T_S and T_A were measured during initial setup.

TABLE 2-2
Lumen Maintenance

LED No.	Lumen Maintenance % (Normalized to 100 % at 0 hours)														
	0 h	500 h	1000 h	2000 h	3000 h	4000 h	5000 h	6000 h	7000 h	8000 h	9000 h	10000 h			
1	100.0	99.5	99.4	99.2	99.4	99.3	98.8	98.6	98.6	98.1	97.7	97.5			
2	100.0	99.6	99.6	99.3	99.5	99.4	98.9	98.7	98.7	98.3	98.0	97.9			
3	100.0	99.6	99.5	99.2	99.4	99.5	98.9	98.8	98.9	98.4	98.0	97.9			
4	100.0	99.5	99.5	99.1	99.3	99.4	98.9	98.7	98.7	98.3	97.9	97.7			
5	100.0	99.7	99.6	99.3	99.6	99.5	99.0	98.9	98.8	98.3	98.1	97.8			
6	100.0	99.6	99.6	99.2	99.5	99.5	98.8	98.6	98.5	98.0	97.6	97.4			
7	100.0	99.6	99.6	99.3	99.6	99.5	98.8	98.7	98.4	98.0	97.5	97.3			
8	100.0	99.4	99.3	99.0	99.2	99.1	98.6	98.5	98.5	98.0	97.6	97.4			
9	100.0	99.7	99.6	99.4	99.6	99.6	99.0	98.8	98.8	98.3	98.0	97.8			
10	100.0	99.8	99.7	99.4	99.4	99.4	98.9	98.7	98.6	98.3	97.9	97.8			
11	100.0	99.6	99.4	99.2	99.3	99.3	98.8	98.6	98.6	98.2	97.8	97.8			
12	100.0	99.6	99.5	99.2	99.4	99.3	98.9	98.7	98.7	98.3	98.0	97.9			
13	100.0	99.4	99.3	99.1	99.2	99.1	98.7	98.6	98.6	98.2	97.7	97.7			
14	100.0	99.7	99.5	99.4	99.4	99.4	98.9	98.8	98.8	98.4	98.0	97.9			
15	100.0	99.7	99.5	99.3	99.4	99.4	98.8	98.7	98.7	98.3	97.8	97.7			
16	100.0	99.8	99.7	99.4	99.6	99.4	99.0	98.8	98.6	98.2	97.7	97.4			
17	100.0	99.7	99.5	99.2	99.5	99.1	98.7	98.6	98.2	97.8	97.4	97.1			
18	100.0	99.7	99.6	99.3	99.4	99.3	98.9	98.8	98.6	98.3	97.9	97.8			
19	100.0	99.7	99.6	99.5	99.5	99.4	99.0	98.8	98.8	98.4	98.0	98.0			
20	100.0	99.6	99.5	99.3	99.5	99.4	98.9	98.8	98.6	98.3	98.0	97.8			
21	100.0	99.7	99.6	99.4	99.5	99.5	99.0	98.9	98.8	98.3	98.0	97.8			
22	100.0	100.1	100.0	99.7	99.8	99.7	99.2	99.1	99.1	98.7	98.4	98.1			
23	100.0	99.5	99.4	99.3	99.4	99.4	98.9	98.9	98.8	98.3	98.0	97.8			
24	100.0	99.8	99.7	99.5	99.6	99.6	99.2	99.0	99.0	98.6	98.1	98.0			
25	100.0	99.6	99.6	99.3	99.5	99.4	99.0	98.8	98.7	98.3	97.9	97.8			
n	25	25	25	25	25	25	25	25	25	25	25	25			
Avg.	100.0	99.6	99.5	99.3	99.5	99.4	98.9	98.8	98.7	98.3	97.9	97.7			
Med.	100.0	99.6	99.6	99.3	99.5	99.4	98.9	98.8	98.7	98.3	97.9	97.8			
σ	0.00	0.15	0.14	0.15	0.14	0.14	0.13	0.14	0.18	0.19	0.22	0.24			
Min.	100.0	99.4	99.3	99.0	99.2	99.1	98.6	98.5	98.2	97.8	97.4	97.1			
Max.	100.0	100.1	100.0	99.7	99.8	99.7	99.2	99.1	99.1	98.7	98.4	98.1			

LM80 Data

Data Set 2 : 55 °C, 150 mA

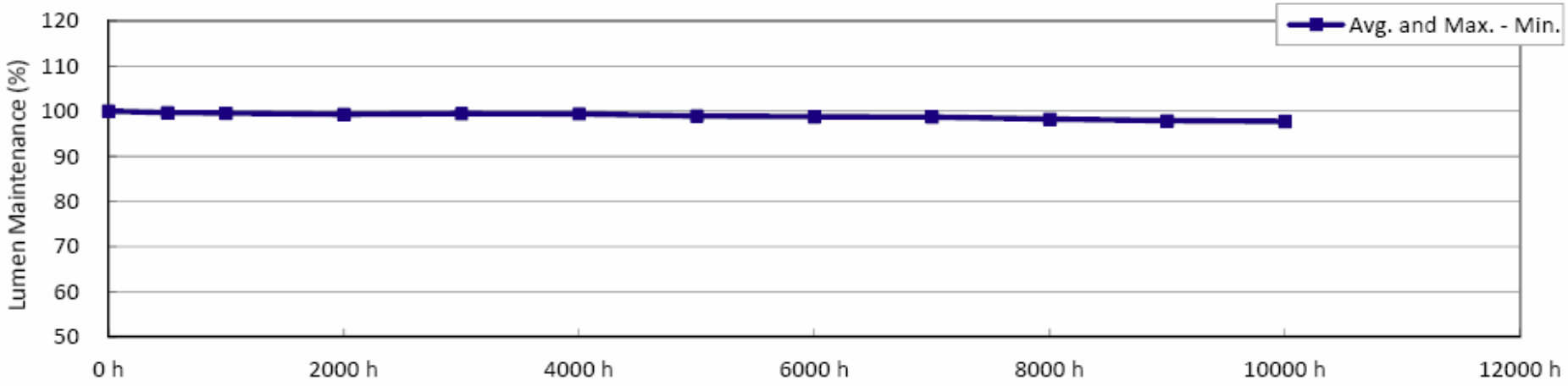
Actual Case Temperature [T_S]	56.4 °C
Actual Ambient Temperature [T_A]	55.1 °C
Drive Current [I_F]	150 mA
Measurement Current	150 mA

NOTES:
T_S and T_A were measured during initial setup.

Data Set 2 : 55 °C, 150 mA

Actual Case Temperature [T_S]	56.4 °C
Actual Ambient Temperature [T_A]	55.1 °C
Drive Current [I_F]	150 mA
Measurement Current	150 mA

NOTES:
T_S and T_A were measured during initial setup.



LM80 Data

Data Set 2 : 55 °C, 150 mA

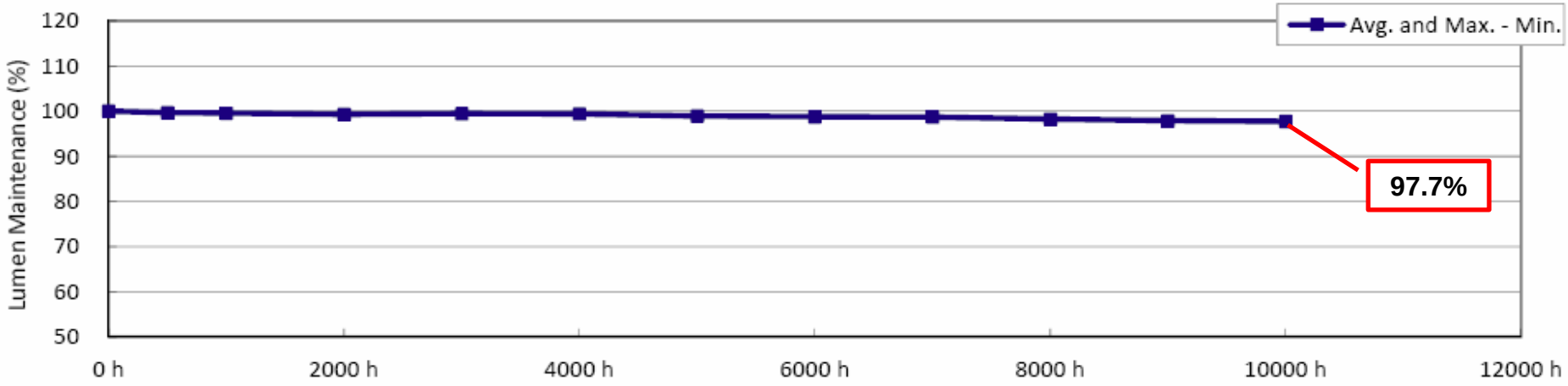
Actual Case Temperature [T_S]	56.4 °C
Actual Ambient Temperature [T_A]	55.1 °C
Drive Current [I_F]	150 mA
Measurement Current	150 mA

NOTES:
T_S and T_A were measured during initial setup.

Data Set 2 : 55 °C, 150 mA

Actual Case Temperature [T_S]	56.4 °C
Actual Ambient Temperature [T_A]	55.1 °C
Drive Current [I_F]	150 mA
Measurement Current	150 mA

NOTES:
T_S and T_A were measured during initial setup.



ISTMT In-Situ Temperature Measurement Test

ISTMT

surement Test

In-Situ Test

In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
22.6 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

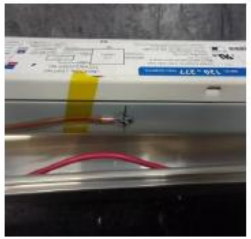
Summary of Results

LED Temperature:	46.1 °C
Driver Temperature:	39.3 °C
Measured LED Current:	0.1163 A

Temperatures are offset to an ambient temperature of 25°C as described in UL1598-2008

LED Temperature Location

Driver Temperature Location



ISTMT surement Test

In-Situ Test

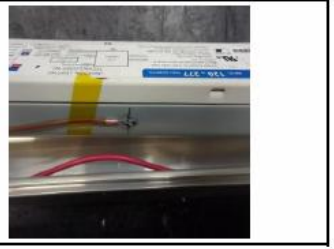
In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
22.6 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Temperature:	46.1 °C
Driver Temperature:	39.3 °C
Measured LED Current:	0.1163 A

Driver Temperature Location



ISTMT surement Test

In-Situ Test

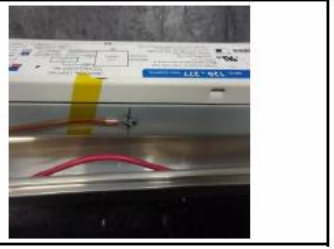
In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
22.6 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Temperature:	46.1 °C
Driver Temperature:	39.3 °C
Measured LED Current:	0.1163 A

Driver Temperature Location



TM-21

TM-21 Inputs

Instructions
Yellow fields are completed by the user. Fields not used should be left blank. Cyan fields are calculated based on user entries. First, enter a description of the LED light source tested. Then complete the fields labeled "LM-80 Testing Details". Test duration must be at least 6,000 hours. If only one case temperature data set is to be used (no interpolation), complete only "Tested case temperature 1". For only two case temperature data sets, complete 1 and 2. Next, further to the right, in the corresponding box(es) for each tested case temperature, enter the test data along with the time (in hours) at which each measurement was taken. Data entered must be normalized then averaged measured data (per TM-21 sections 5.2.1 and 5.2.2). Enter drive current, *in-situ* temperature data and the percentage of initial lumens to project to in the fields labeled "*In-Situ* Inputs". Results can be tailored to estimate lumen maintenance at a specific time by entering a value (t) in the yellow field. A complete TM-21 report will appear on the next tab labeled "Report".

Description of LED Light Source Tested (manufacturer, model, catalog number)
elliptipar S315-R03M-S-00-8-00-0-30-00, ISTMT Test No. SQETMP098101 by UL Verification Services Nichia MID-POWER #NFSL757G-V1 LM80 Test number SQETMP098101

LM-80 Testing Details	
Total number of units tested per case temperature	25
Number of failures:	0
Number of units measured:	25
Test duration (hours):	10000
Tested drive current (mA):	150
Tested case temperature 1 (T_c, °C):	55
Tested case temperature 2 (T_c, °C):	85
Tested case temperature 3 (T_c, °C):	105

LM-80 Test Inputs

Test Data for 55°C Case Temperature		Test Data for 85°C Case Temperature		Test Data for 105°C Case Temperature	
Time (hours)	Lumen Maintenance (%)	Time (hours)	Lumen Maintenance (%)	Time (hours)	Lumen Maintenance (%)
0	100.00%	0	100.00%	0	100.00%
500	99.60%	500	99.40%	500	99.00%
1000	99.50%	1000	99.20%	1000	98.70%
2000	99.30%	2000	98.80%	2000	97.80%
3000	99.50%	3000	98.70%	3000	97.60%
4000	99.40%	4000	98.60%	4000	97.10%
5000	98.90%	5000	98.10%	5000	96.20%
6000	98.80%	6000	97.90%	6000	95.30%
7000	98.70%	7000	97.70%	7000	94.40%
8000	98.30%	8000	97.30%	8000	93.60%
9000	97.90%	9000	96.80%	9000	92.60%
10000	97.70%	10000	96.50%	10000	91.90%

In-Situ Inputs

Drive current for each LED package/array/module (mA):	117
In-situ case temperature (T_c, °C):	46.1
Percentage of initial lumens to project to (e.g. for L_{70}, enter 70):	85.6

Results

Time (t) at which to estimate lumen maintenance (hours):	50,000
Lumen maintenance at time (t) (%):	87.92%
Calculated L85.6 (hours):	60,000
Reported L85.6 (hours):	>60000

TM-21

TM-21 Inputs

In-Situ Inputs

Drive current for each LED package/array/module (mA):	117
In-situ case temperature (T_C, ^{0}C):	46.1
Percentage of initial lumens to project to (e.g. for L_{70}, enter 70):	70

Results

Time (t) at which to estimate lumen maintenance (hours):	60,000
Lumen maintenance at time (t) (%):	85.63%
Calculated L70 (hours):	136,000
Reported L70 (hours):	>60000

LM-80 Test Inputs

Test Data for 85°C Case Temperature		Test Data for 105°C Case Temperature	
Time (hours)	Lumen Maintenance (%)	Time (hours)	Lumen Maintenance (%)
0	100.00%	0	100.00%
500	99.40%	500	99.00%
1000	99.20%	1000	98.70%
2000	98.80%	2000	97.80%
3000	98.70%	3000	97.60%
4000	98.60%	4000	97.10%
5000	98.10%	5000	96.20%
6000	97.90%	6000	95.30%
7000	97.70%	7000	94.40%
8000	97.30%	8000	93.60%
9000	96.80%	9000	92.60%
10000	96.50%	10000	91.90%

A complete TM-21 report will appear on the next tab labeled "Report".

Time (t) at which to estimate lumen maintenance (hours):	50,000
Lumen maintenance at time (t) (%):	87.92%
Calculated L85.6 (hours):	60,000
Reported L85.6 (hours):	>60000

TM-21

TM-21 Inputs

In-Situ Inputs

Drive current for each LED package/array/module (mA):	117
In-situ case temperature (T_C, ^{0}C):	46.1
Percentage of initial lumens to project to (e.g. for L_{70}, enter 70):	70

Results

Time (t) at which to estimate lumen maintenance (hours):	60,000
Lumen maintenance at time (t) (%):	85.63%
Calculated L70 (hours):	136,000
Reported L70 (hours):	>60000

LM-80 Test Inputs

Test Data for 85°C Case Temperature		Test Data for 105°C Case Temperature	
Time (hours)	Lumen Maintenance (%)	Time (hours)	Lumen Maintenance (%)
0	100.00%	0	100.00%
500	99.40%	500	99.00%
1000	99.20%	1000	98.70%
2000	98.80%	2000	97.80%
3000	98.70%	3000	97.60%
4000	98.60%	4000	97.10%
5000	98.10%	5000	96.20%
6000	97.90%	6000	95.30%
7000	97.70%	7000	94.40%
8000	97.30%	8000	93.60%
9000	96.80%	9000	92.60%
10000	96.50%	10000	91.90%

A complete TM-21 report will appear on the next tab labeled "Report".

Time (t) at which to estimate lumen maintenance (hours):	50,000
Lumen maintenance at time (t) (%):	87.92%
Calculated L85.6 (hours):	60,000
Reported L85.6 (hours):	>60000

TM-21

TM-21 Inputs

In-Situ Inputs

Drive current for each LED package/array/module (mA):	117
In-situ case temperature (T_C, ^{0}C):	46.1
Percentage of initial lumens to project to (e.g. for L_{70}, enter 70):	70

Results

Time (t) at which to estimate lumen maintenance (hours):	60,000
Lumen maintenance at time (t) (%):	85.63%
Calculated L70 (hours):	136,000
Reported L70 (hours):	>60000

LM-80 Test Inputs

Test Data for 85°C Case Temperature		Test Data for 105°C Case Temperature	
Time (hours)	Lumen Maintenance (%)	Time (hours)	Lumen Maintenance (%)
0	100.00%	0	100.00%
500	99.40%	500	99.00%
1000	99.20%	1000	98.70%
2000	98.80%	2000	97.80%
3000	98.70%	3000	97.60%
4000	98.60%	4000	97.10%
5000	98.10%	5000	96.20%
6000	97.90%	6000	95.30%
7000	97.70%	7000	94.40%
8000	97.30%	8000	93.60%
9000	96.80%	9000	92.60%
10000	96.50%	10000	91.90%

A complete TM-21 report will appear on the next tab labeled "Report".

Time (t) at which to estimate lumen maintenance (hours):	50,000
Lumen maintenance at time (t) (%):	87.92%
Calculated L85.6 (hours):	60,000
Reported L85.6 (hours):	>60000

TM-21

TM-21 Inputs

LM-80 Test Inputs

Test Data for 85°C Case Temperature		Test Data for 105°C Case Temperature	
Time (hours)	Lumen Maintenance (%)	Time (hours)	Lumen Maintenance (%)
0	100.00%	0	100.00%
500	99.40%	500	99.00%
1000	99.20%	1000	98.70%
2000	98.80%	2000	97.80%
3000	98.70%	3000	97.60%
4000	98.60%	4000	97.10%
5000	98.10%	5000	96.20%
6000	97.90%	6000	95.30%
7000	97.70%	7000	94.40%
8000	97.30%	8000	93.60%
9000	96.80%	9000	92.60%
10000	96.50%	10000	91.90%

In-Situ Inputs

Drive current for each LED package/array/module (mA):	117
In-situ case temperature (T_c, °C):	46.1
Percentage of initial lumens to project to (e.g. for L_{70}, enter 70):	85

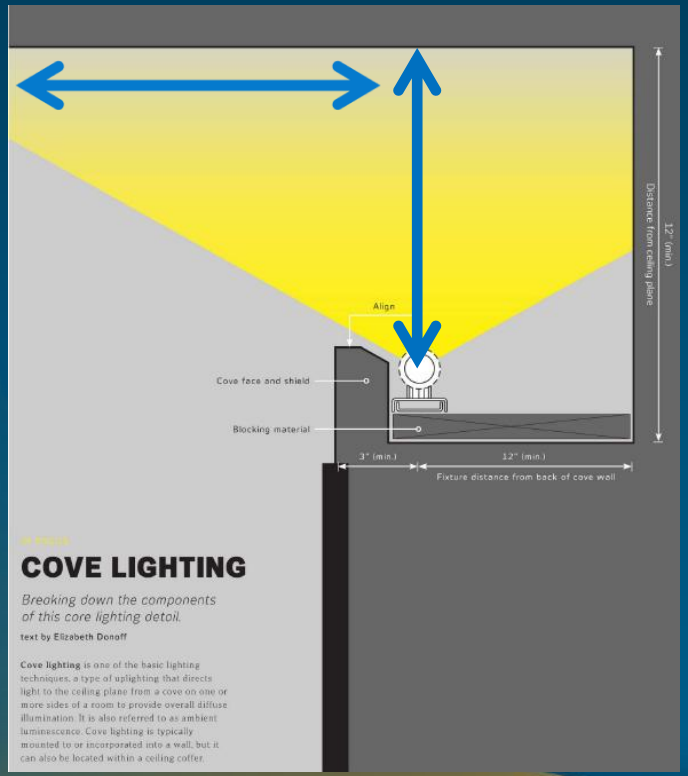
Results

Time (t) at which to estimate lumen maintenance (hours):	60,000
Lumen maintenance at time (t) (%):	85.63%
Calculated L85 (hours):	63,000
Reported L85 (hours):	>60000

A complete TM-21 report will appear on the next tab labeled "Report".

Time (t) at which to estimate lumen maintenance (hours):	50,000
Lumen maintenance at time (t) (%):	87.92%
Calculated L85.6 (hours):	60,000
Reported L85.6 (hours):	>60000

Applications

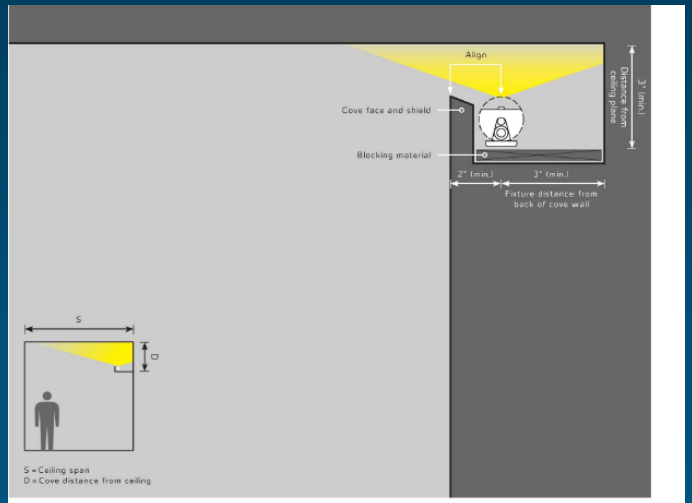


COVE LIGHTING

Breaking down the components of this core lighting detail.

text by Elizabeth Donoff

Cove lighting is one of the basic lighting techniques, a type of uplighting that directs light to the ceiling plane from a cove on one or more sides of a room to provide overall diffuse illumination. It is also referred to as ambient luminescence. Cove lighting is typically mounted to or incorporated into a wall, but it can also be located within a ceiling coffer.



SOME THINGS TO CONSIDER WHEN SETTING UP A COVE LIGHTING DETAIL:

1. Be aware of how you are positioning the fixtures. Any joints or gaps between fixtures will show up in the light pattern. Socket shadows (dark spots at the end of a lamp) can be eliminated by placing fixtures end-to-end, in a staggered or a slanted arrangement. Depending on source selection, make sure to use the appropriate spacing between fixtures as well as the positioning from the back wall of the cove.
2. The top of the lamp should be level with the cove fascia; if not, it will create shadow lines.
3. To prevent sharp cutoff lines, stop a cove short of the end wall.
4. Generally, ceiling surface should be a high-reflectance matte or satin finish surface. The inside surface of the cove should be flat white. This minimizes specular reflections.
5. As a cove nears end wall, maintain a minimum clearance of 12 inches at inside corners to prevent hot spots.
6. As the cove's distance from the ceiling plane increases, the uniformity of the ceiling brightness will also increase.

REFERENCES

J.E. Flynn and S.M. Mills, *Architectural Lighting Graphics*, Van Nostrand Reinhold, New York, 1962, p. 182–183

M. David Egan and Victor Olgyay, *Architectural Lighting, Second Edition*, McGraw Hill, p. 226–227

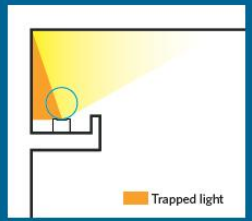
Mark Karlen and James Benya, *Lighting Design Basics*, John Wiley & Sons, 2004, p. 59

Applications

COVE LIGHTING

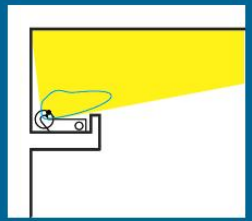
Cove lighting by others

- As much as 50% of light from luminaire is trapped in the cove.
- Trapped light is wasted energy.
- Typical symmetric cove lights do not project light onto the ceiling.
- Bright bands make space feel darker.



elliptipar Cove lighting by The Lighting Quotient

- Over 80% of light from luminaire delivered to the surface.
- Up to 33% less energy.
- High peak candlepower drives across the surface creating a uniform plane of light.
- Better uniformity enhances perceived brightness, creating a more comfortable environment.



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Applications

Comparison of Single-Headed 4ft Cove Lights

T8, T5 & T5HO Fluorescent					High-Power LED		Mid-Power LED		
Small F301 F306 32W T8	Small F303 F306 28W T5	Small F303 F306 54W T5HO	Xtra Small F305 28W T5	Xtra Small F305 54W T5HO	S301-R04L S305-R04L S312-R04L 350mA 3000K/80+	S301-R04M S305-R04M S312-R04M 700mA 3000K/80+	S314-R04G S315-R04G S316-R04G 175mA 3000K/80+	S314-R04L S315-R04L S316-R04L 350mA 3000K/80+	S314-R04M S315-R04M S316-R04M 700mA 3000K/80+
1,885 delivered lumens (31W)	2,175 delivered lumens (31W)		2,059 delivered lumens (31W)		1,798 delivered lumens (29W)		1,869 delivered lumens (14W)		
		3,750 delivered lumens (62W)		3,550 delivered lumens (62W)		3,277 delivered lumens (57W)		3,450 delivered lumens (27W)	
									6,589 delivered lumens (54W)

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Applications

16’-0” x 26’-6” x 9’-0”

15 to 22 fcai @ 3’ a.f.f.

LPD = 1.1 W/SF

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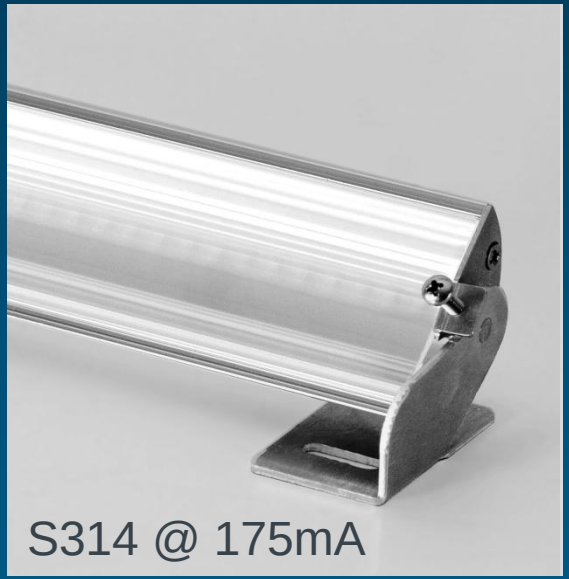
Applications

16’-0” x 26’-6” x 9’-0”

15 to 22 fcai @ 3’ a.f.f.



LPD = 0.53 W/SF

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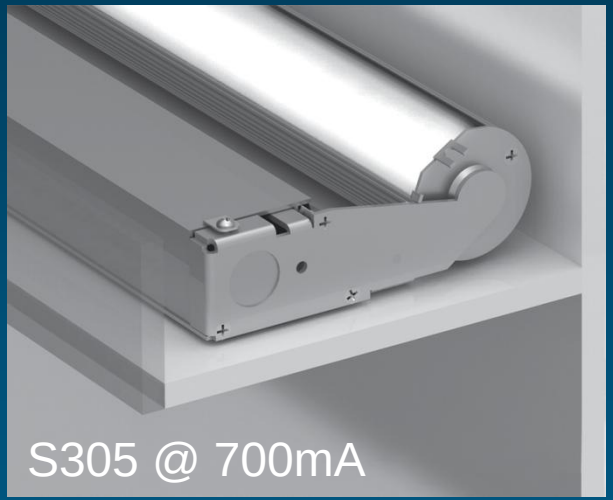
Applications

30’ to 65’ wide; 21’ to 36’ high



LPD = 0.60 W/SF

17 to 20 fcai @ 30” a.f.f.

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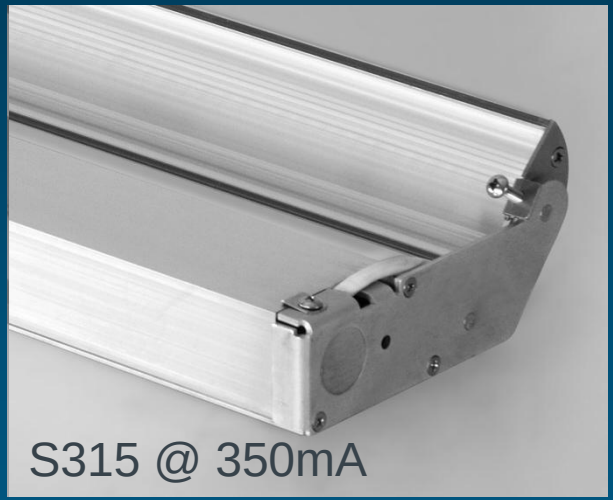
Applications

30’ to 65’ wide; 21’ to 36’ high



LPD = 0.30 W/SF

17 to 20 fcai @ 30” a.f.f.

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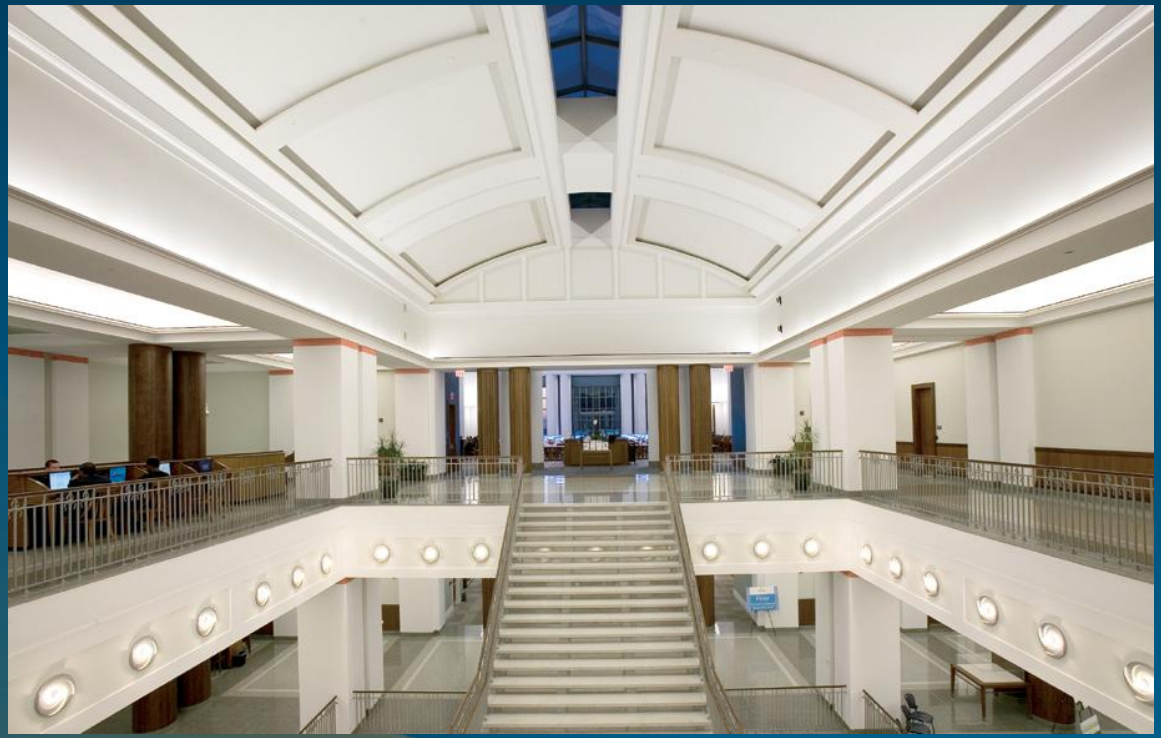
Applications

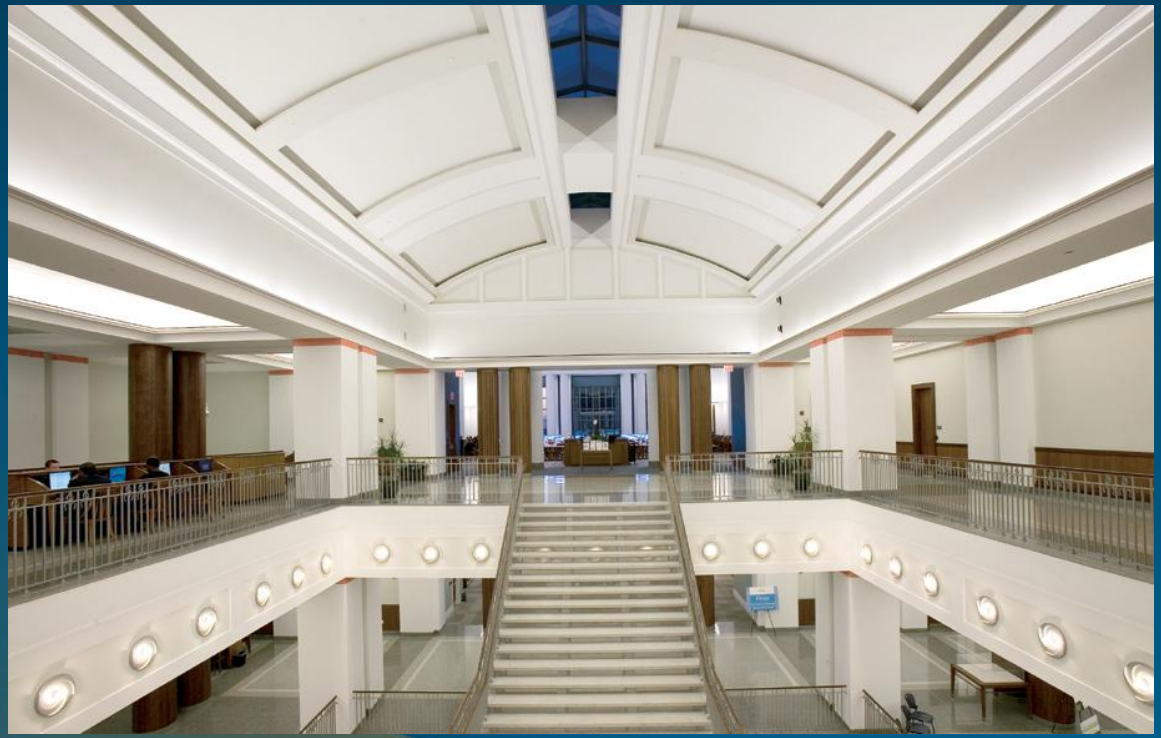


40’ x 84’; cove @ 14’; vault @ 21’ to 28’

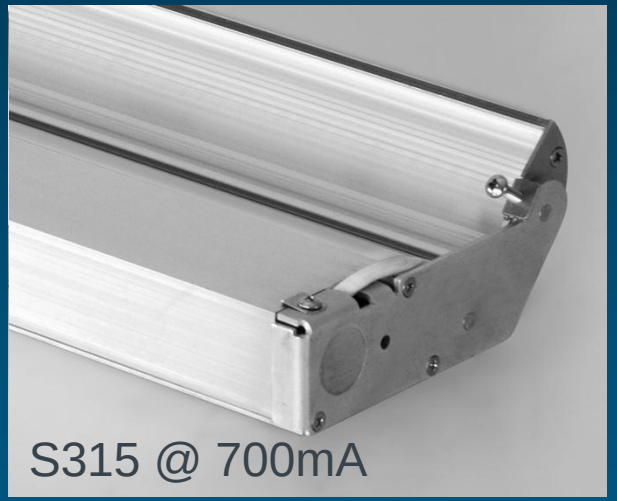
LPD = 1.50 W/SF

18 to 20 fcai on landings

Applications



40’ x 84’; cove @ 14’; vault @ 21’ to 28’



LPD = 0.65 W/SF

18 to 20 fcai on landings

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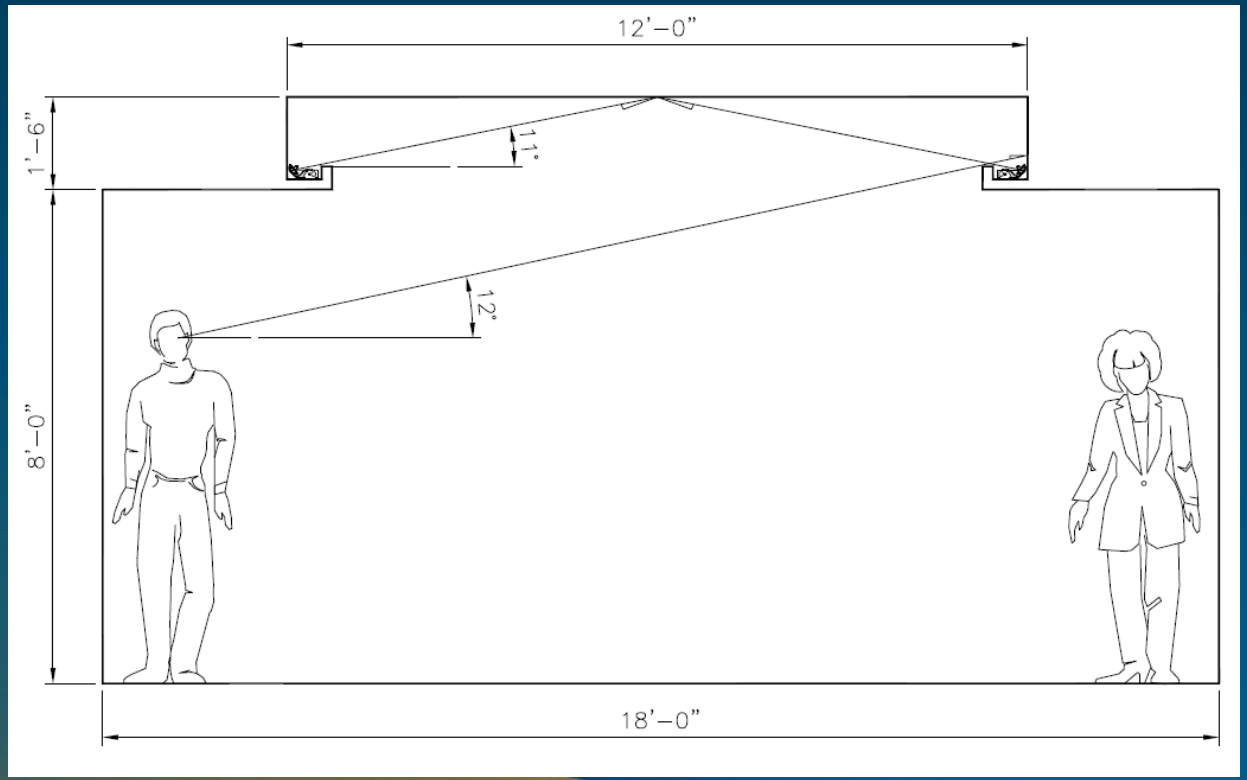

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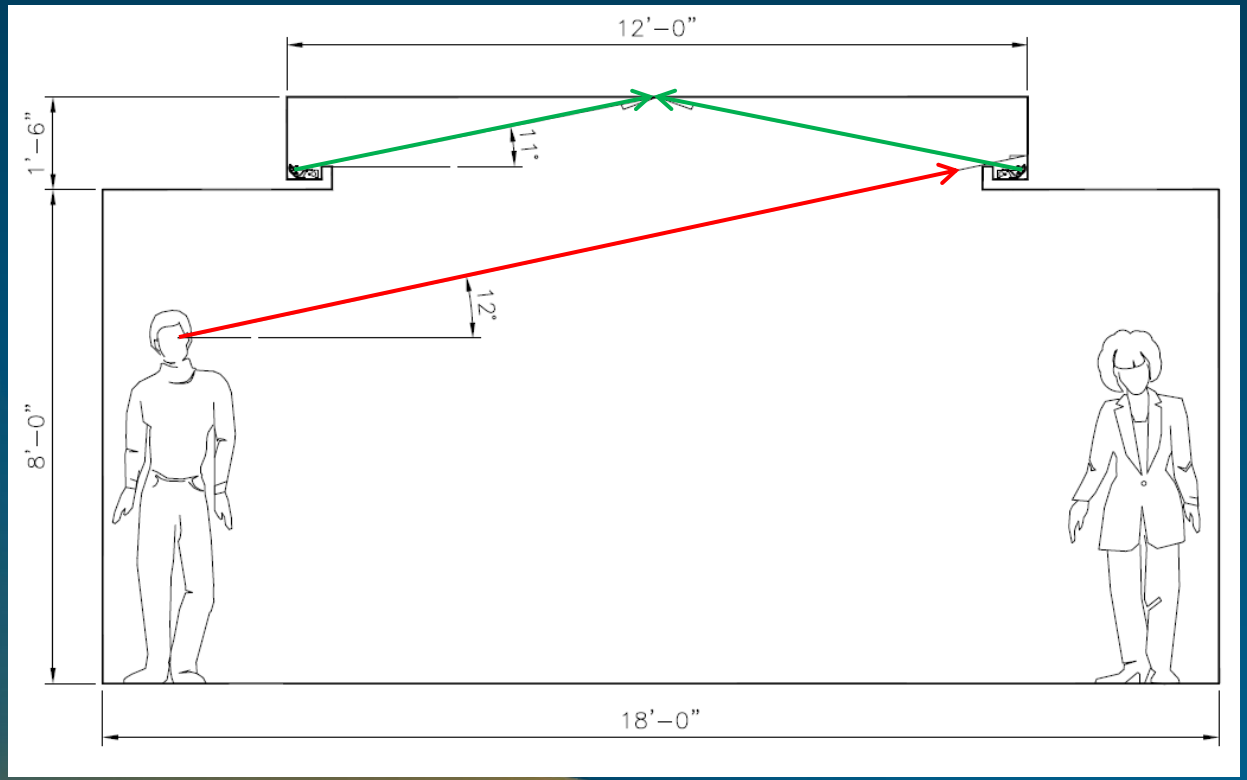

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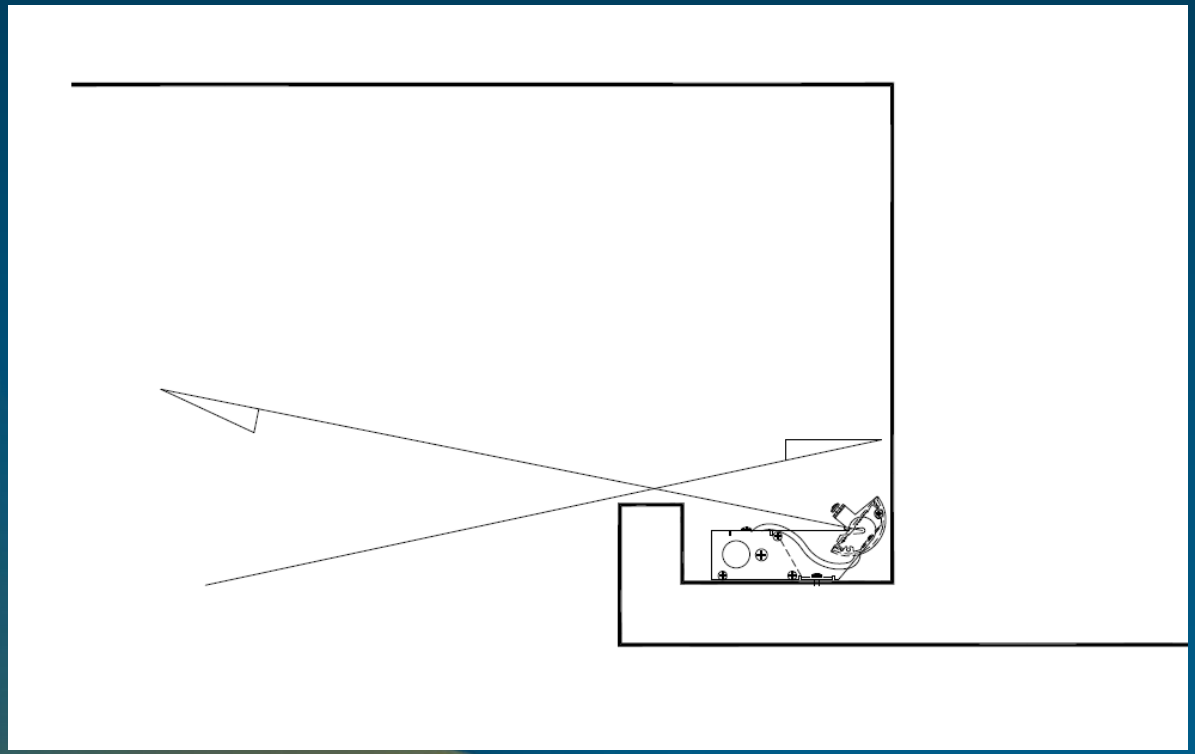

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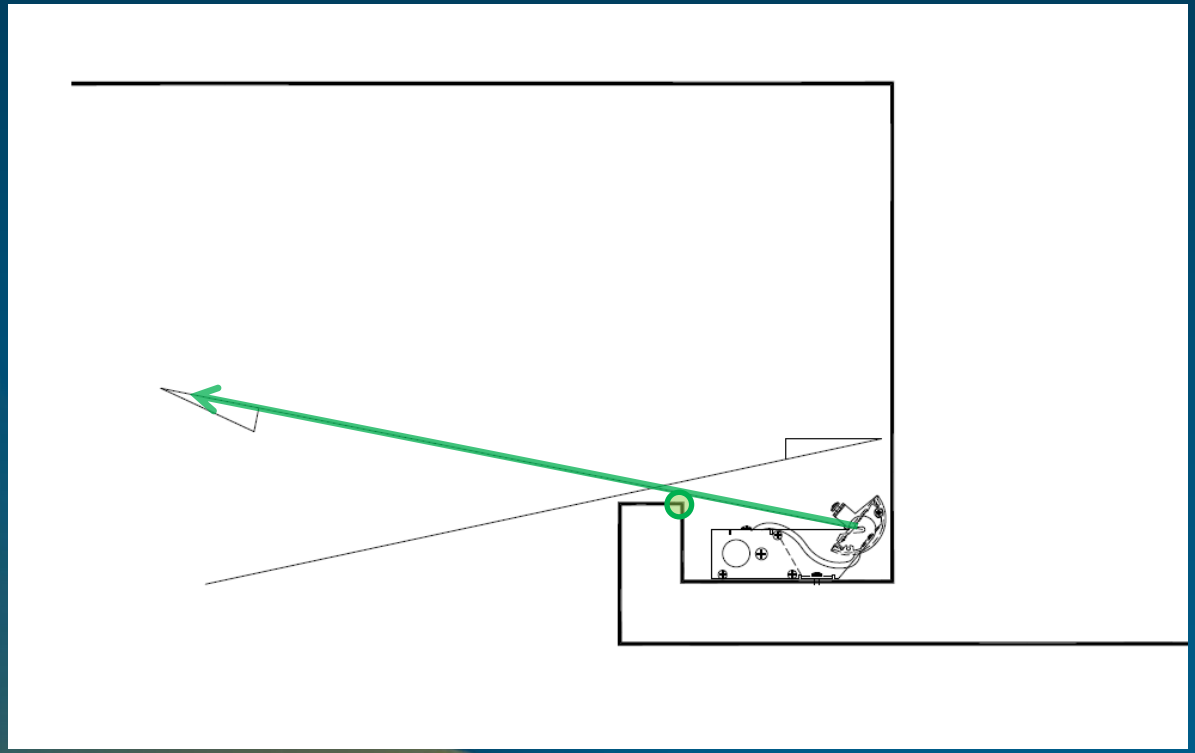

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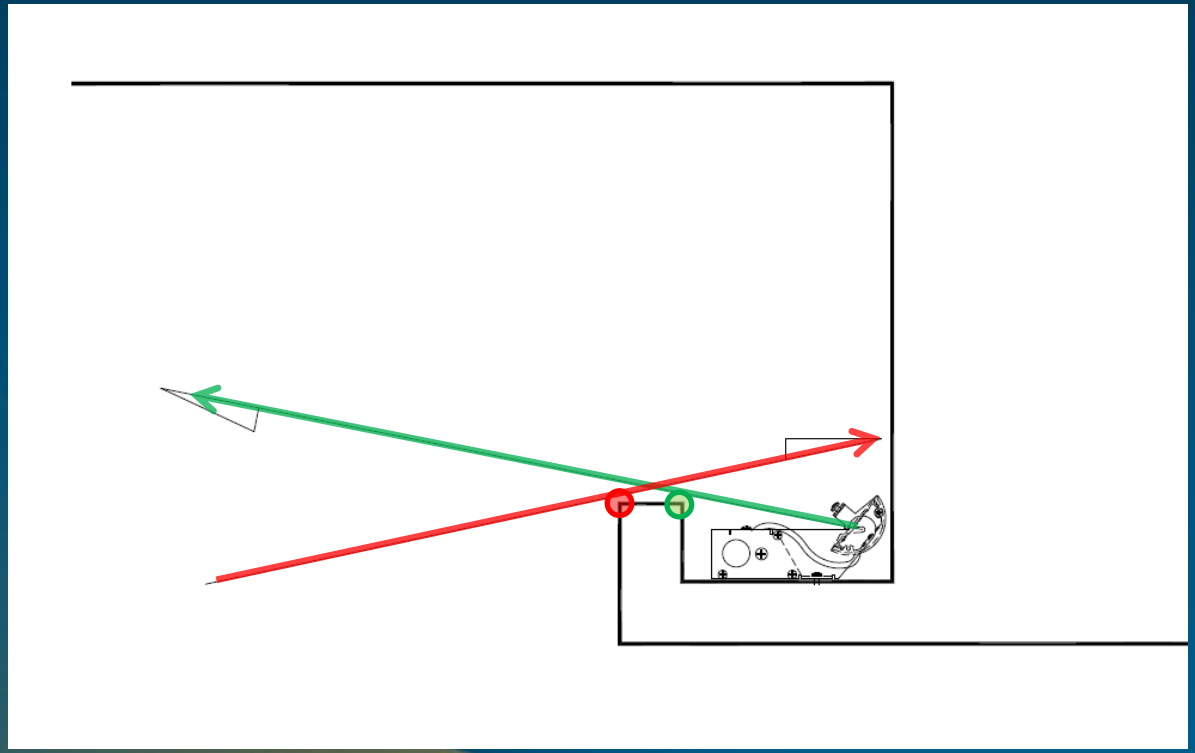

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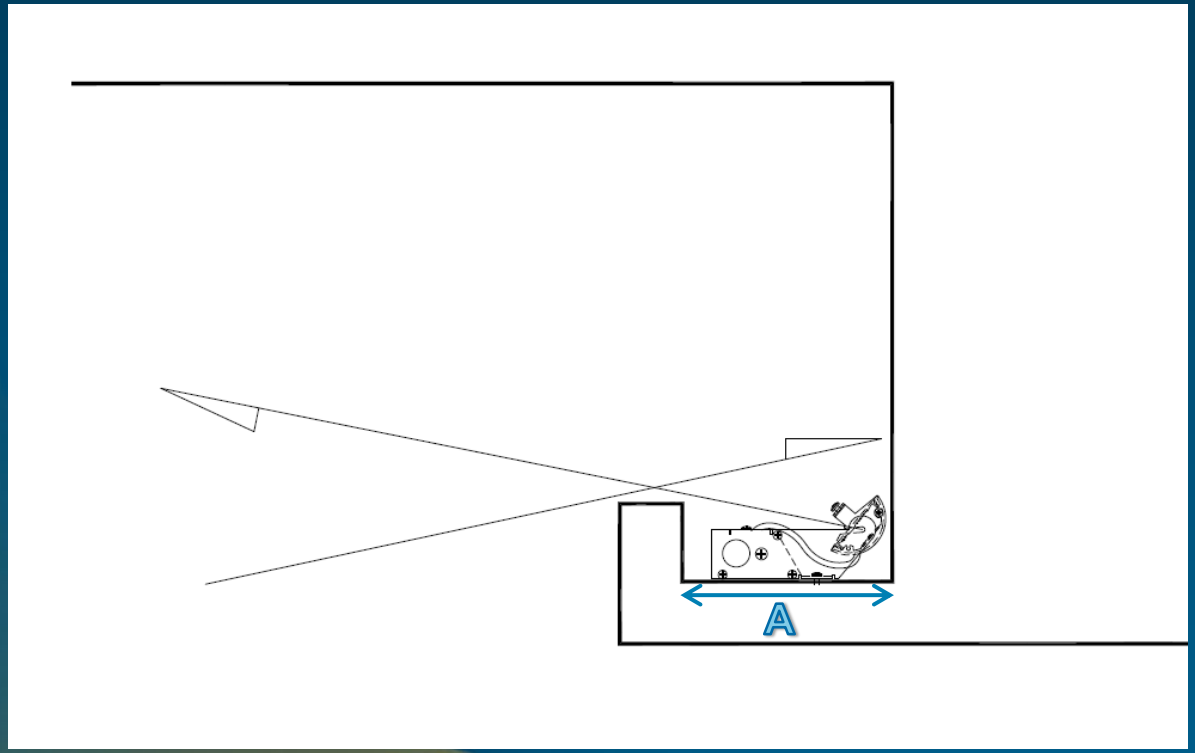

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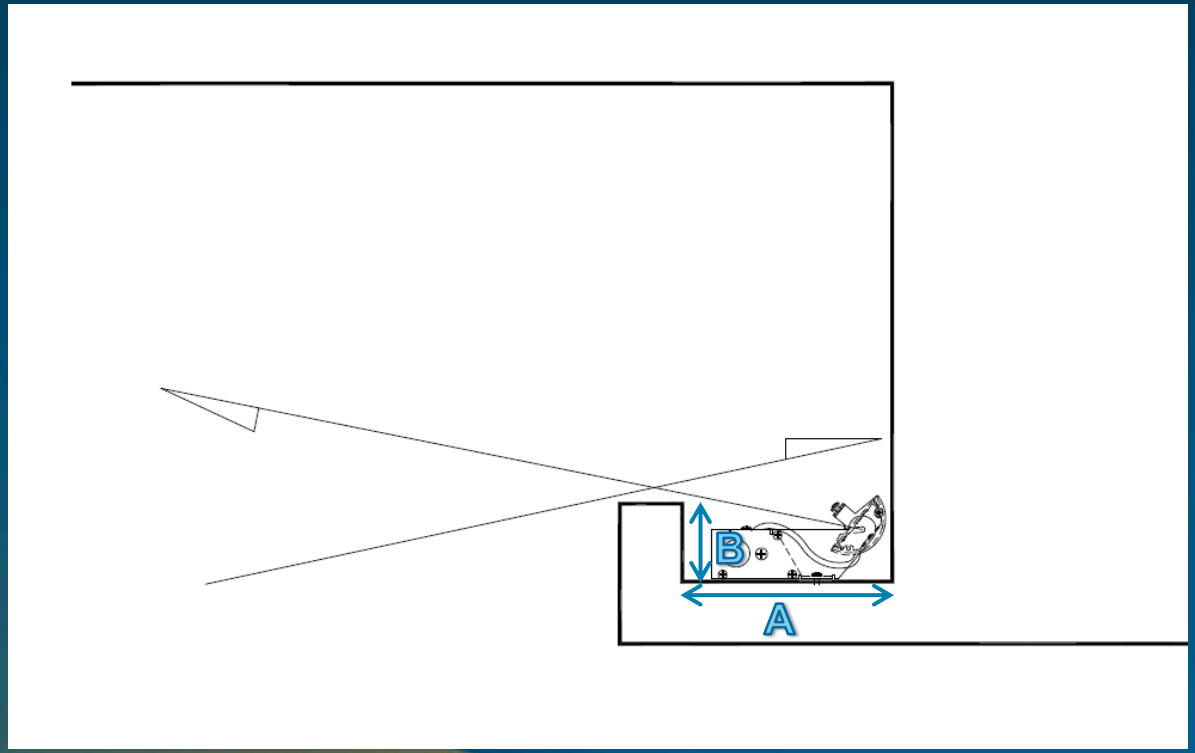

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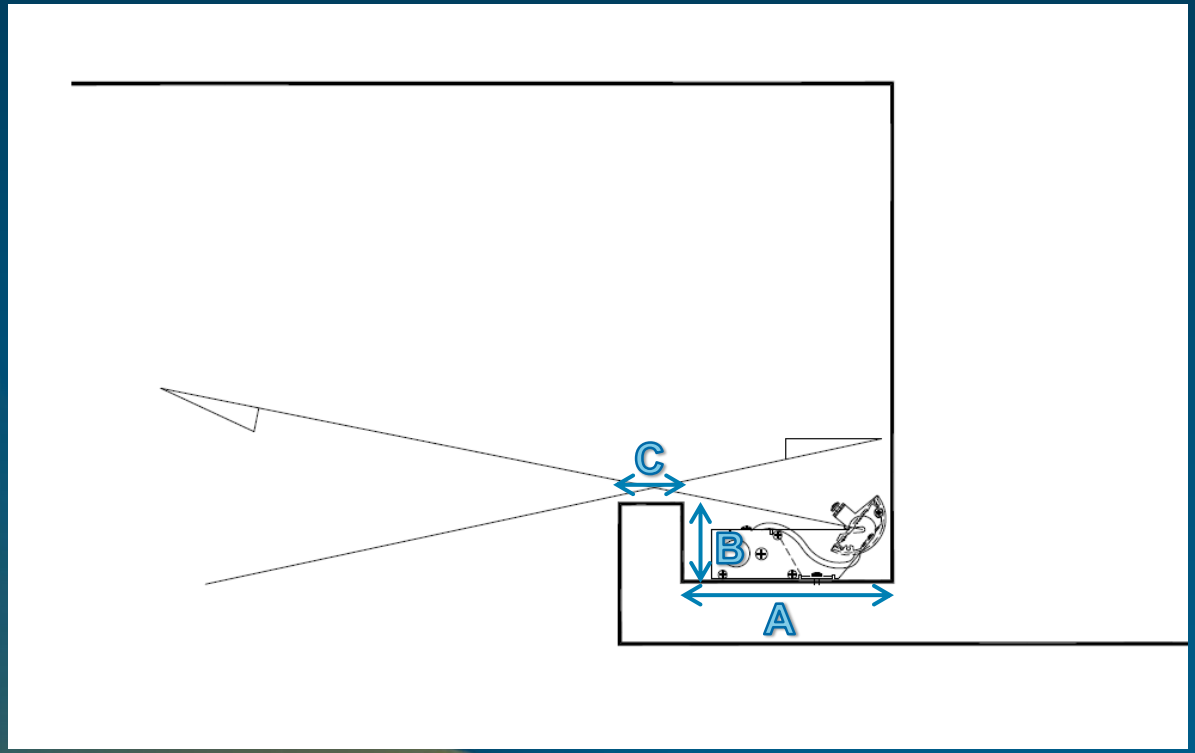

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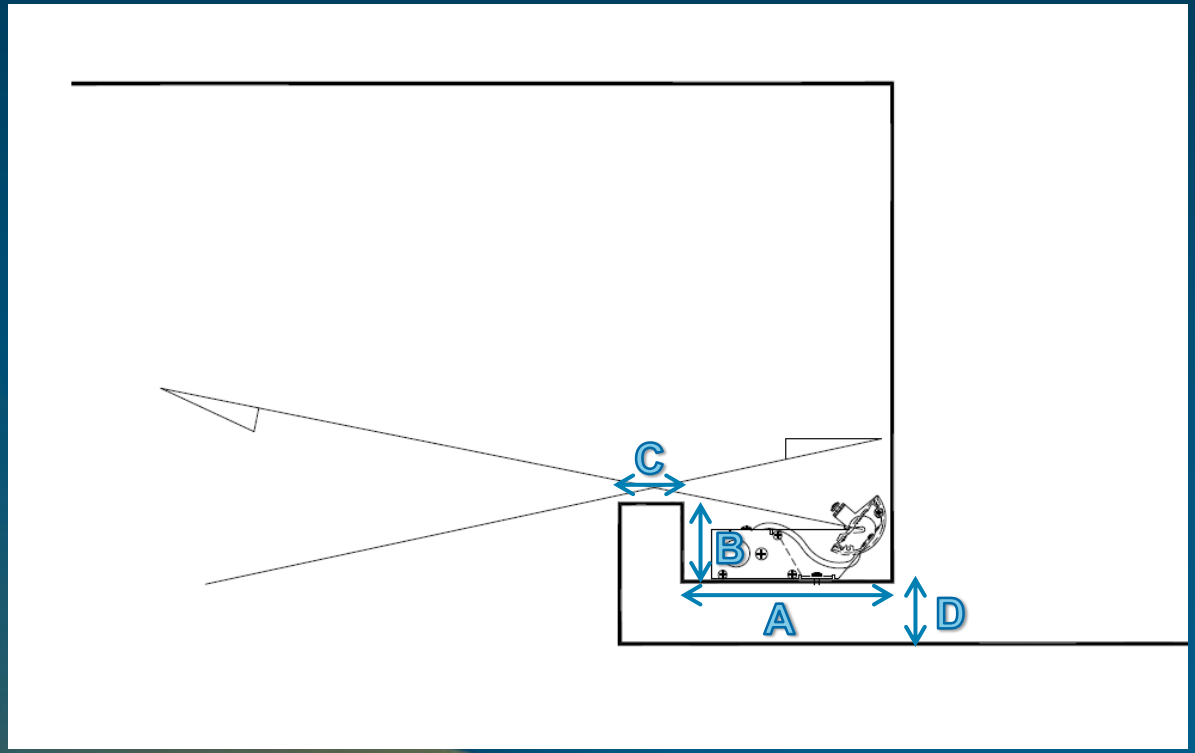

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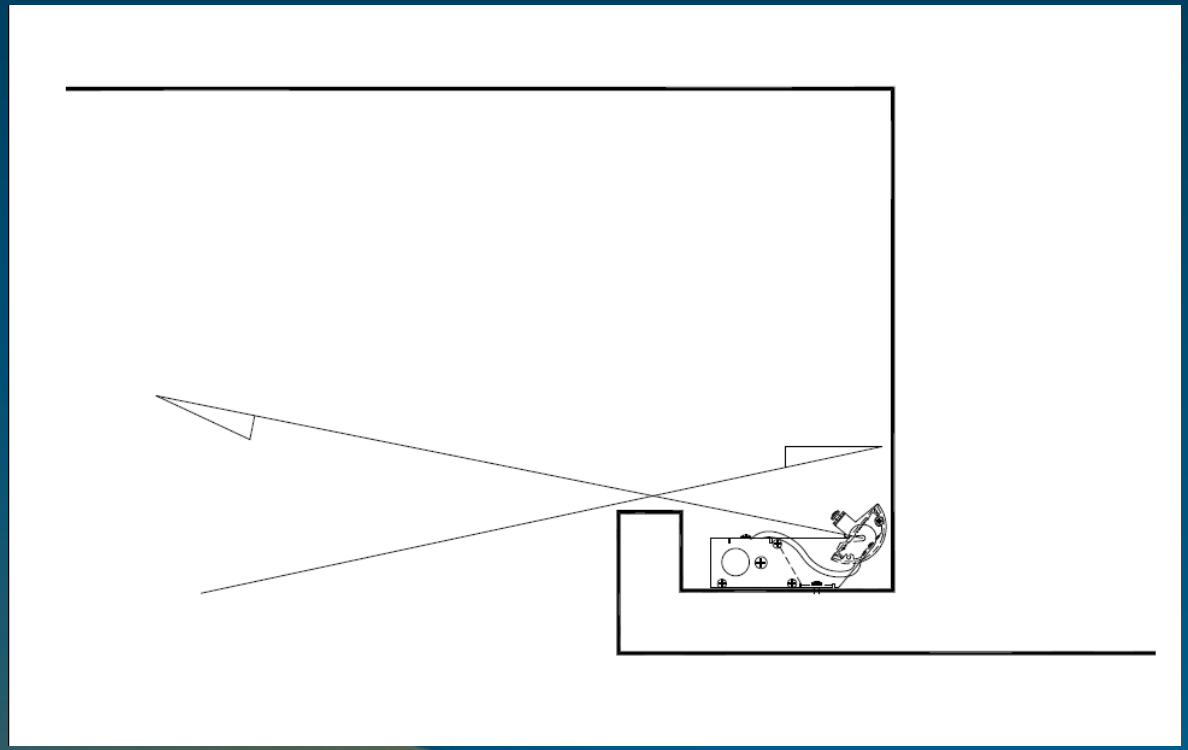

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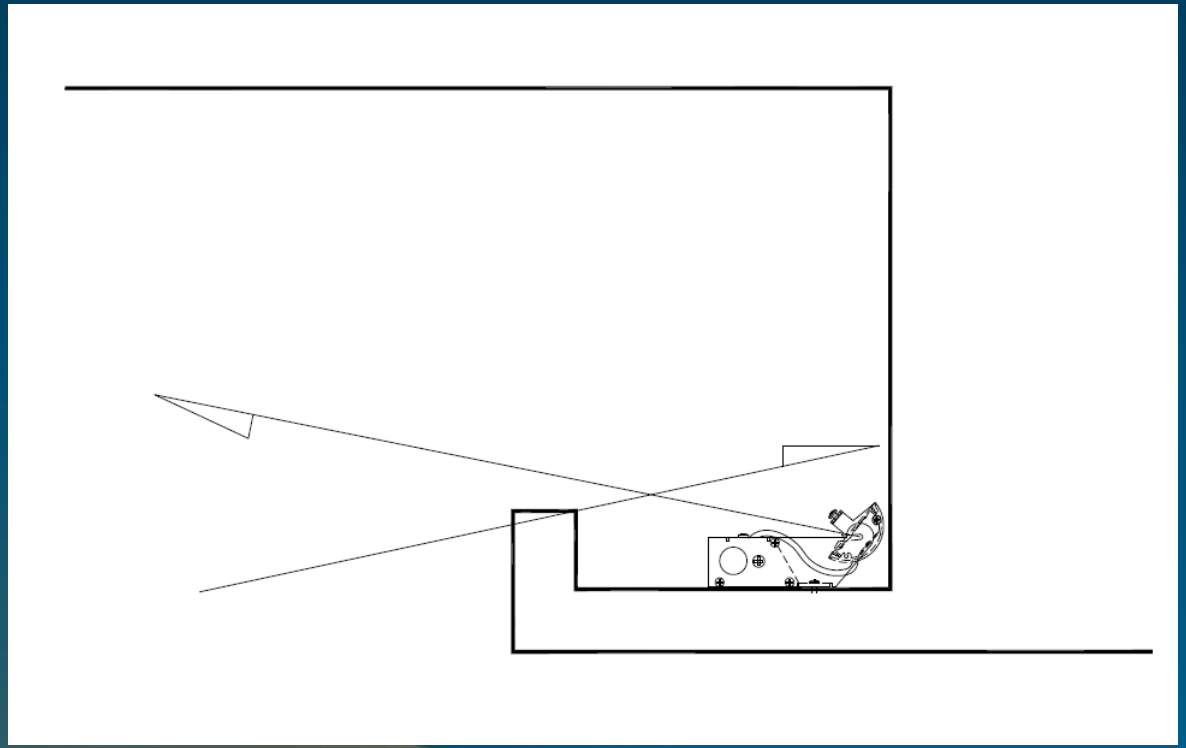

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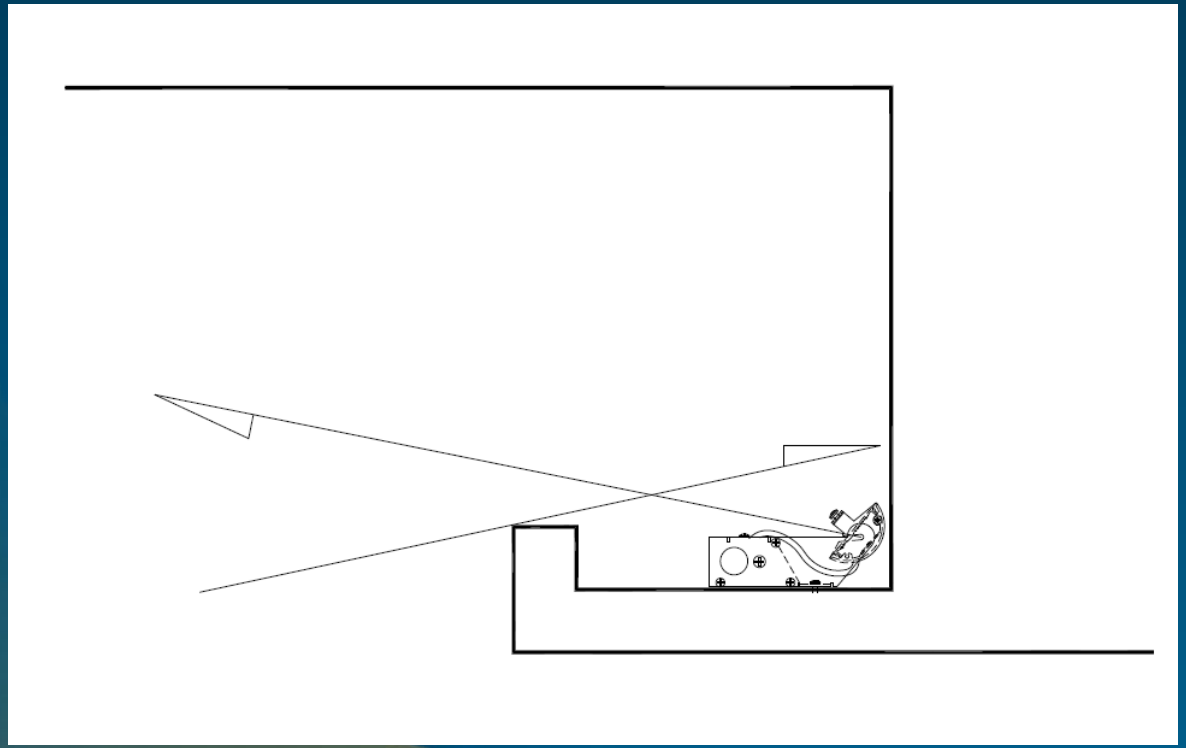

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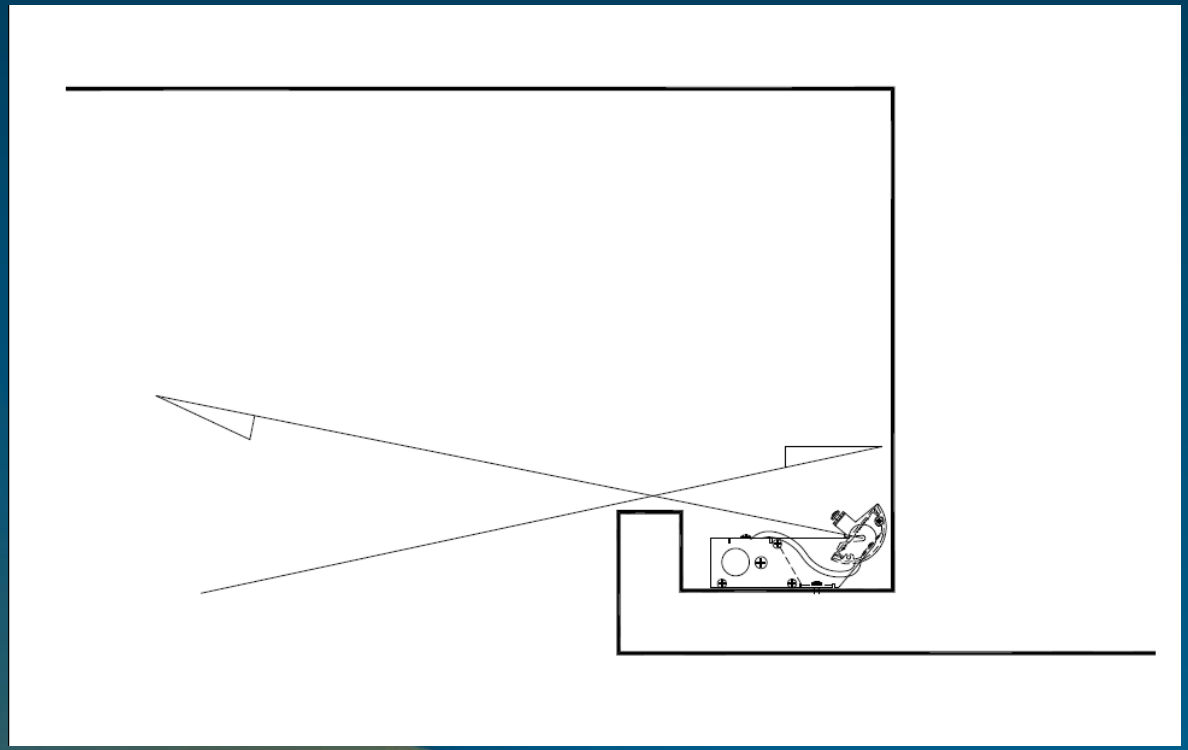

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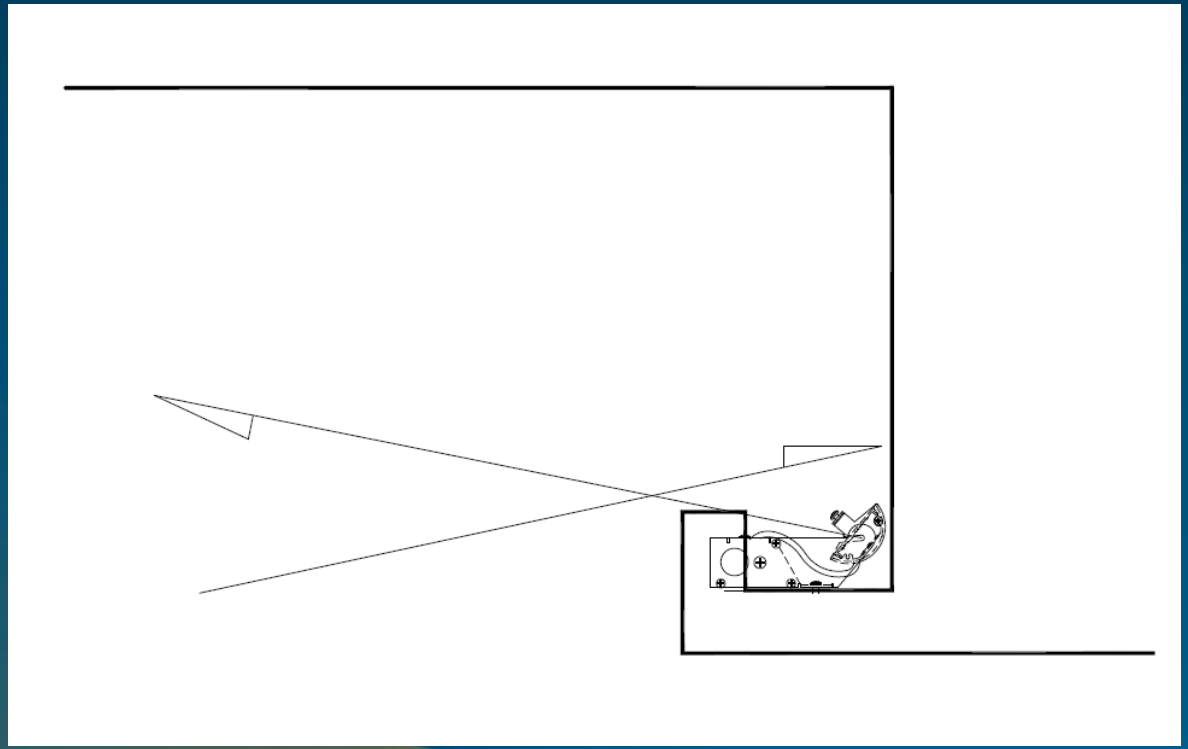

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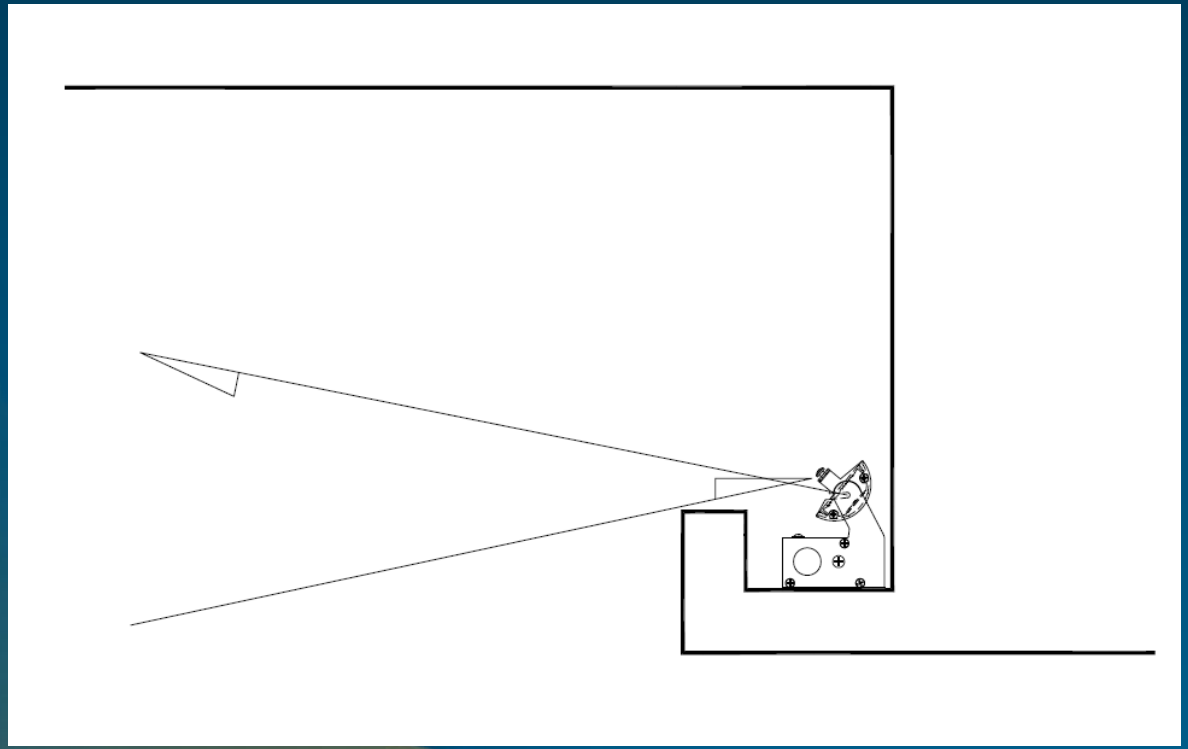

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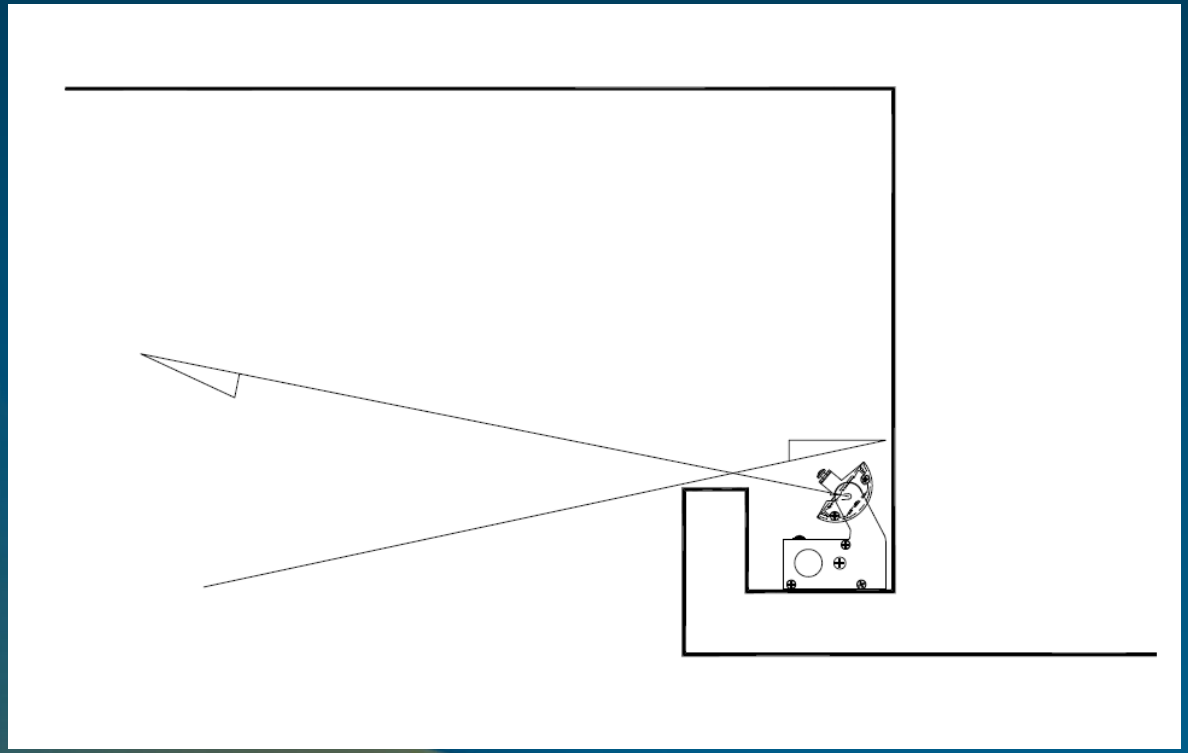

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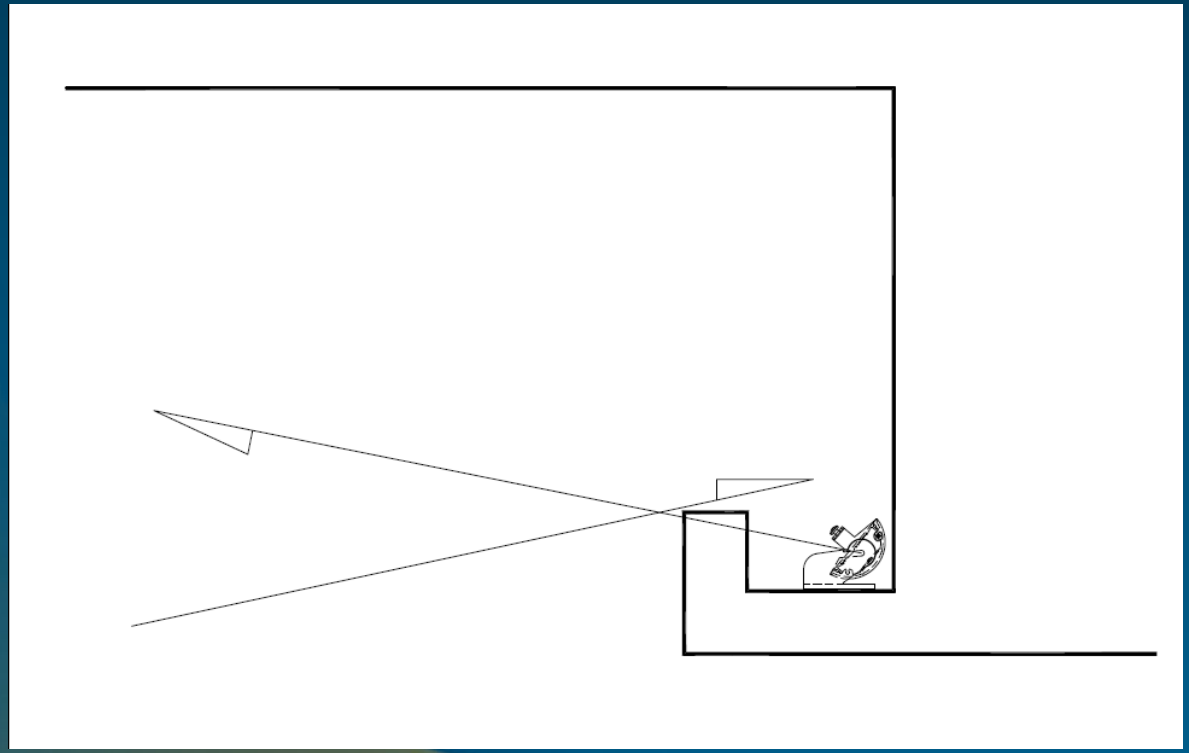

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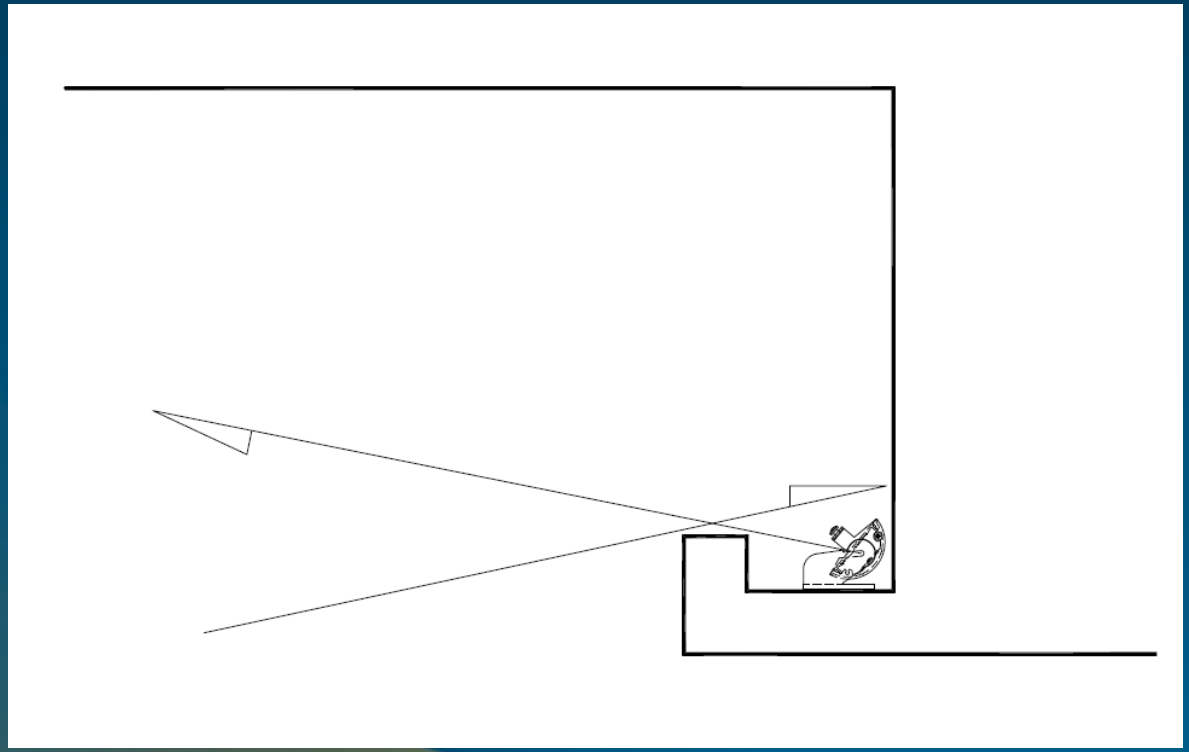

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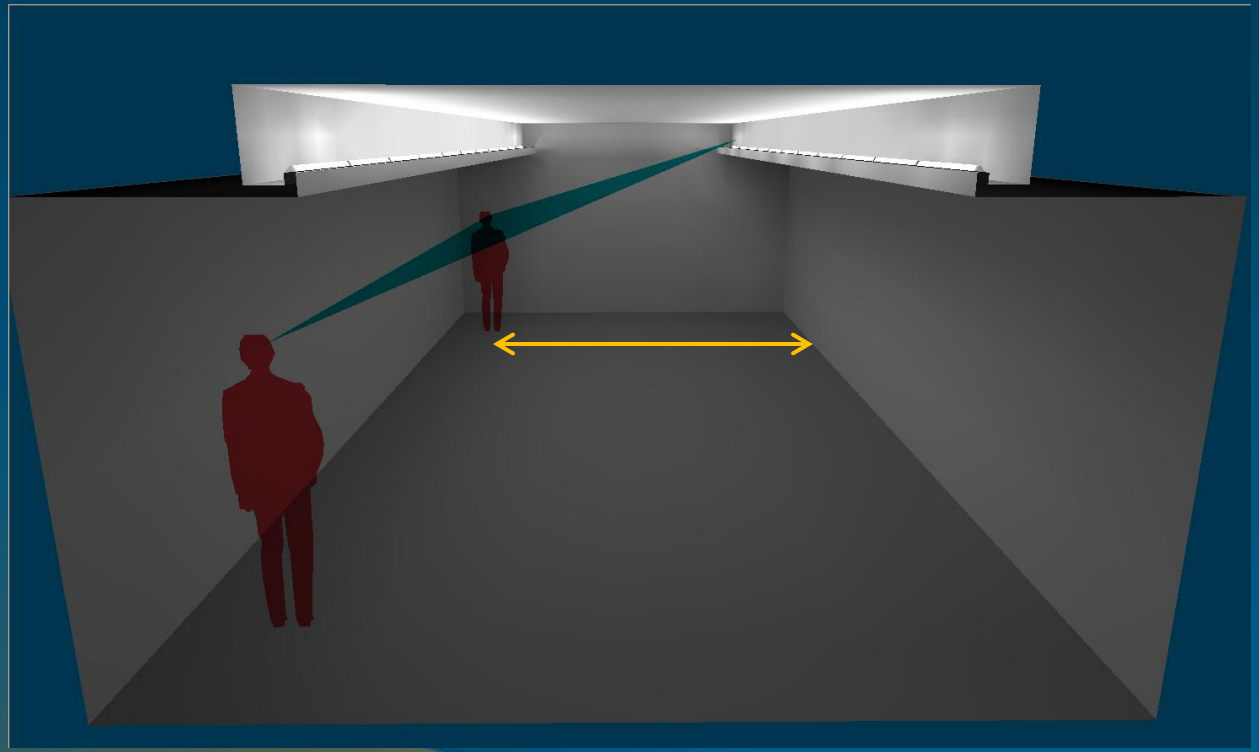

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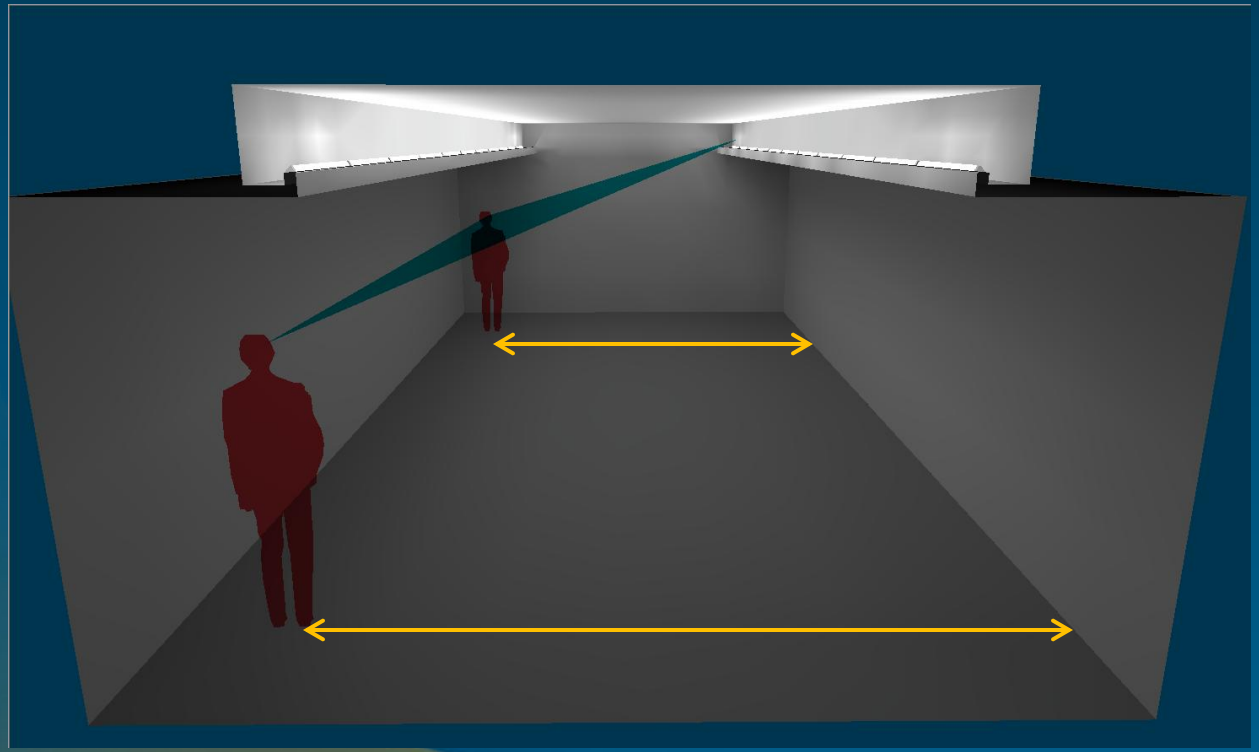

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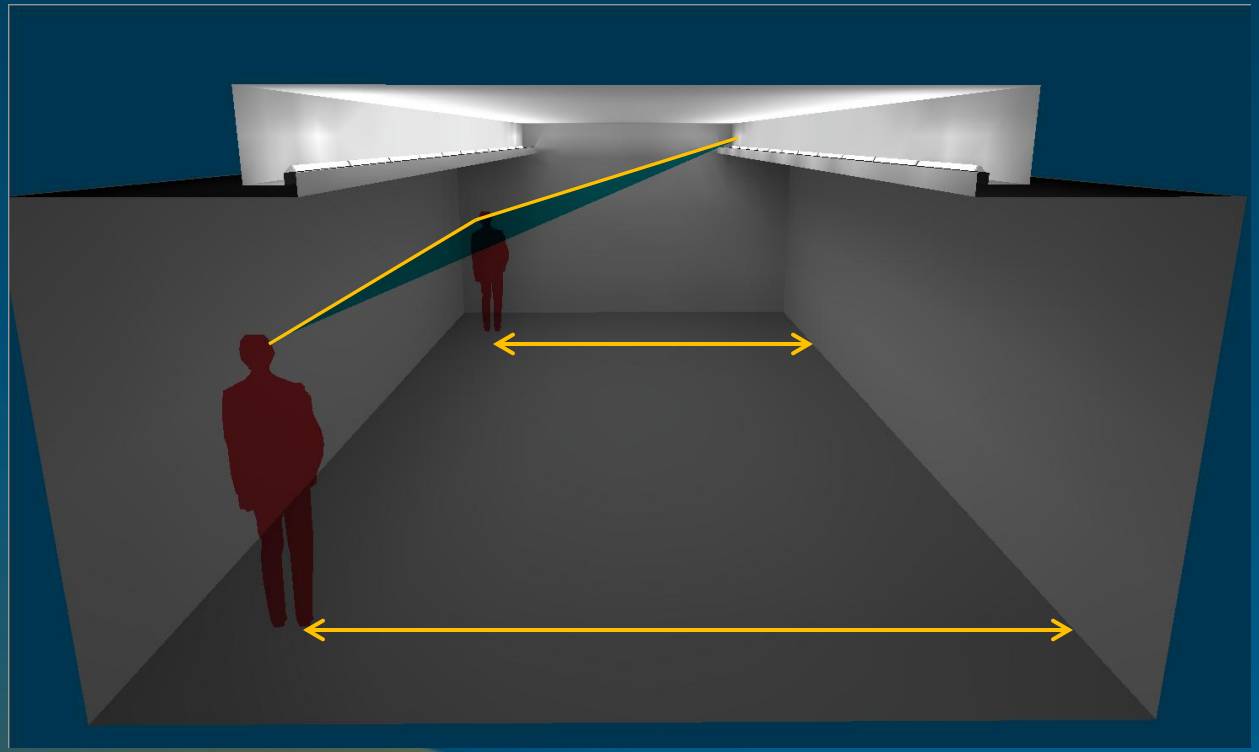

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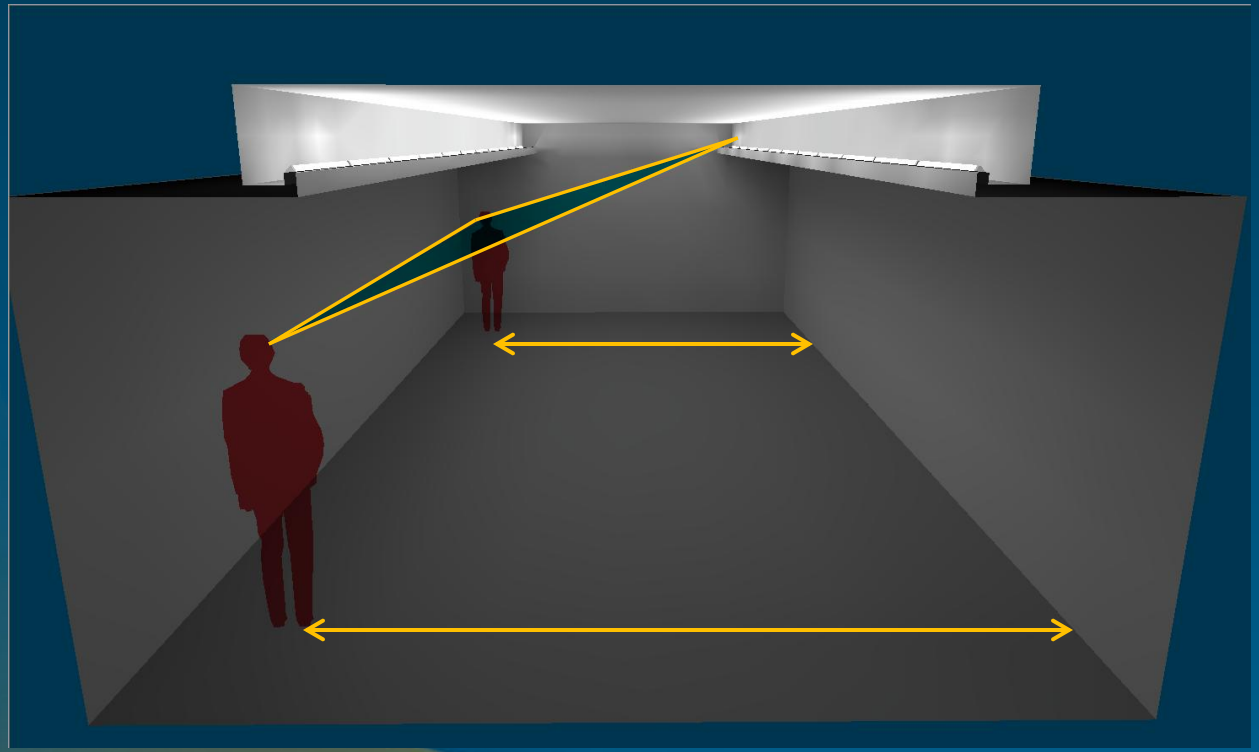

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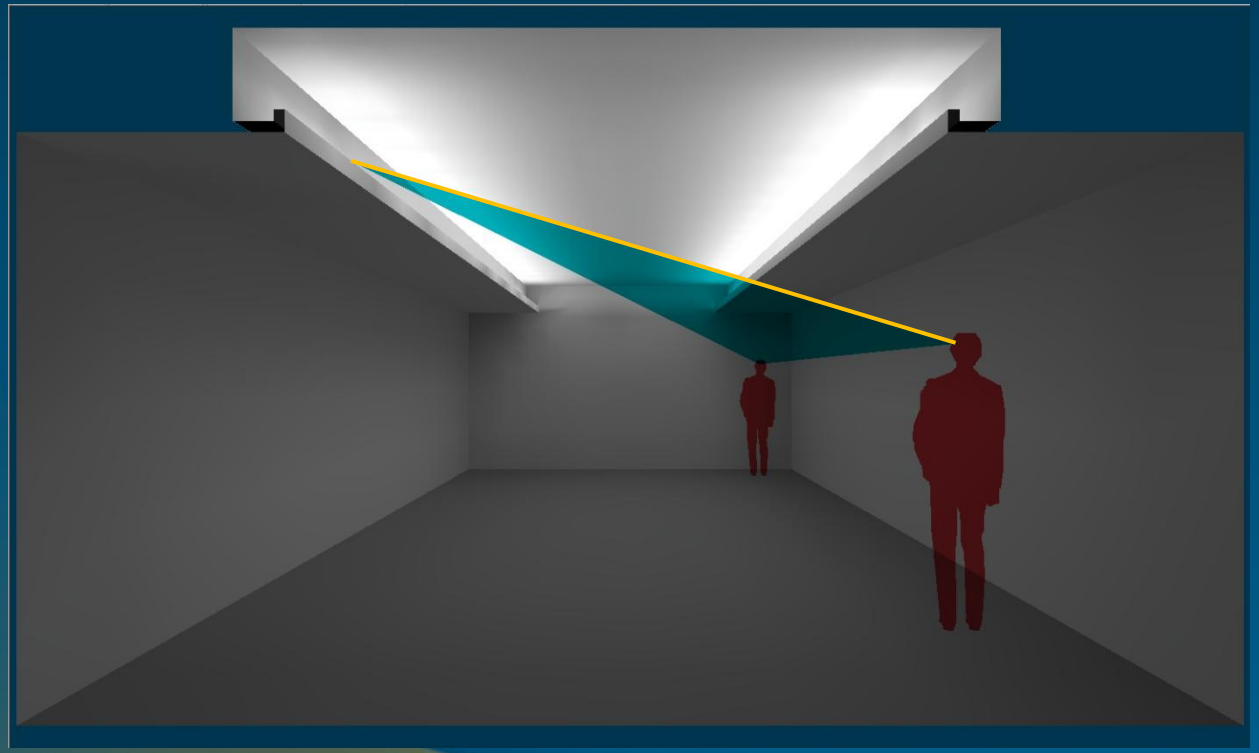

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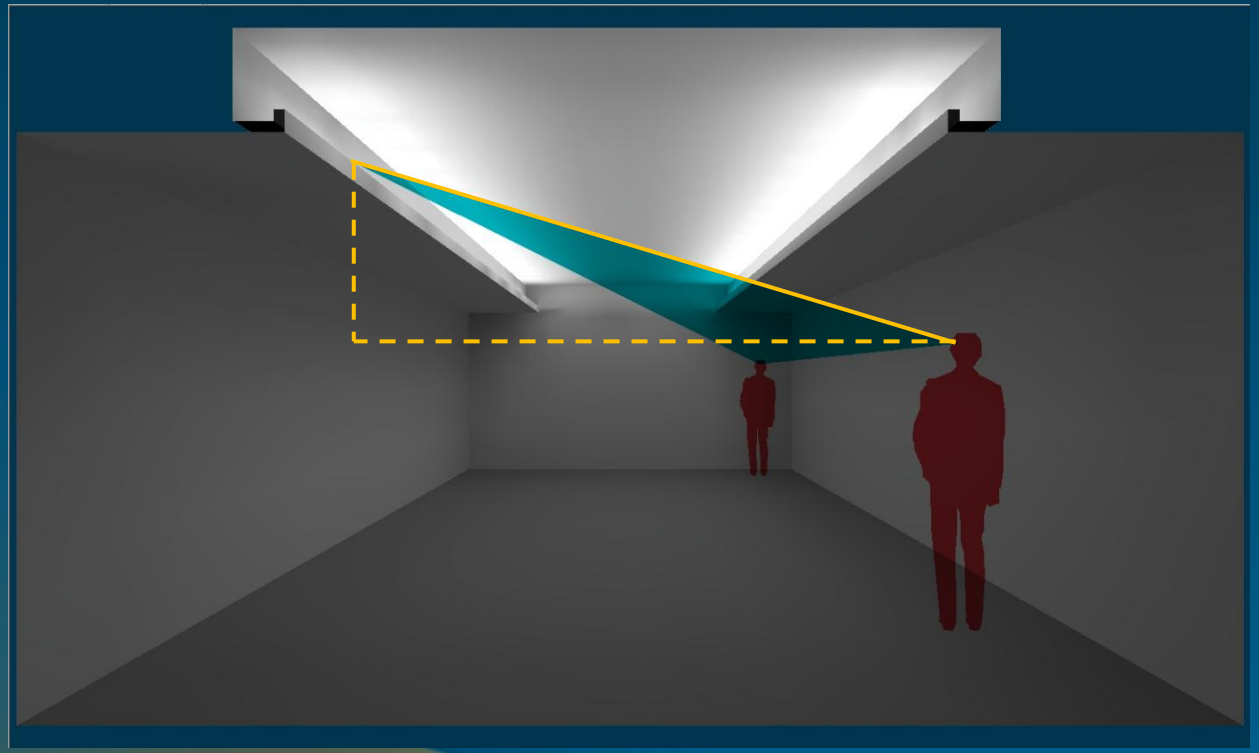

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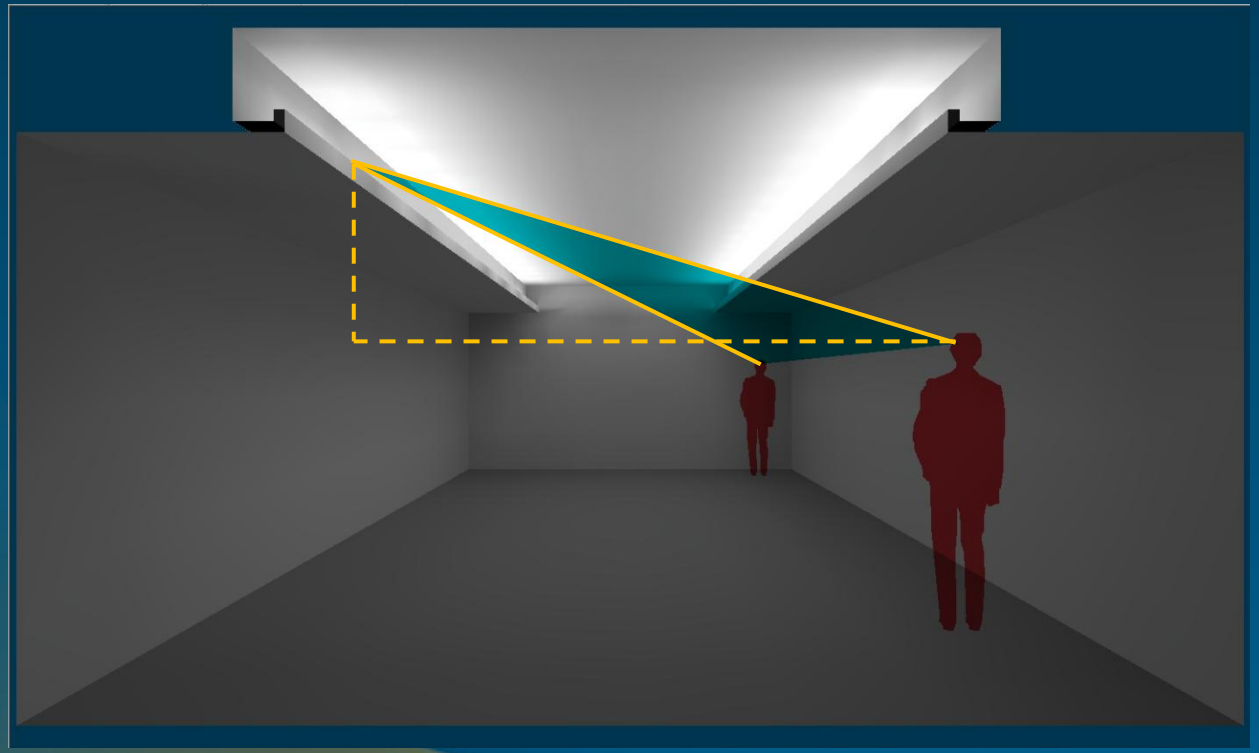
Cove Design



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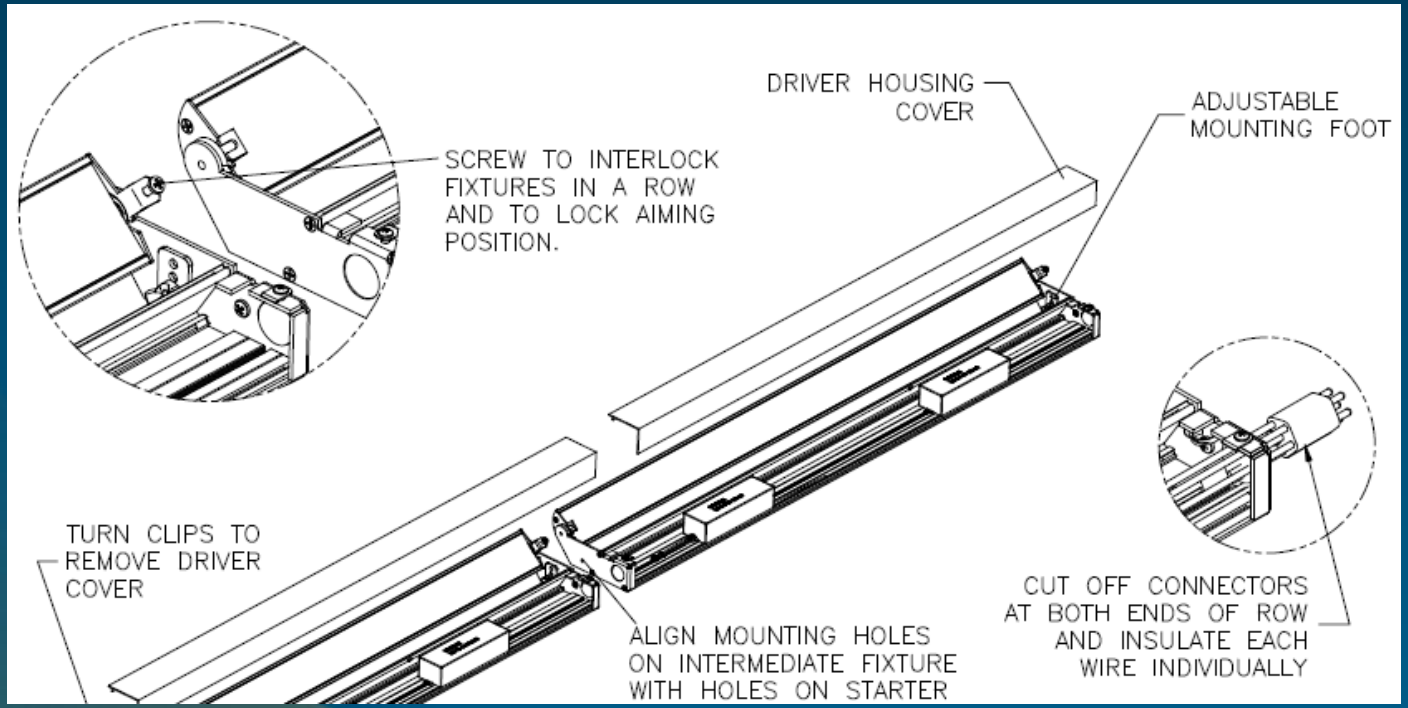
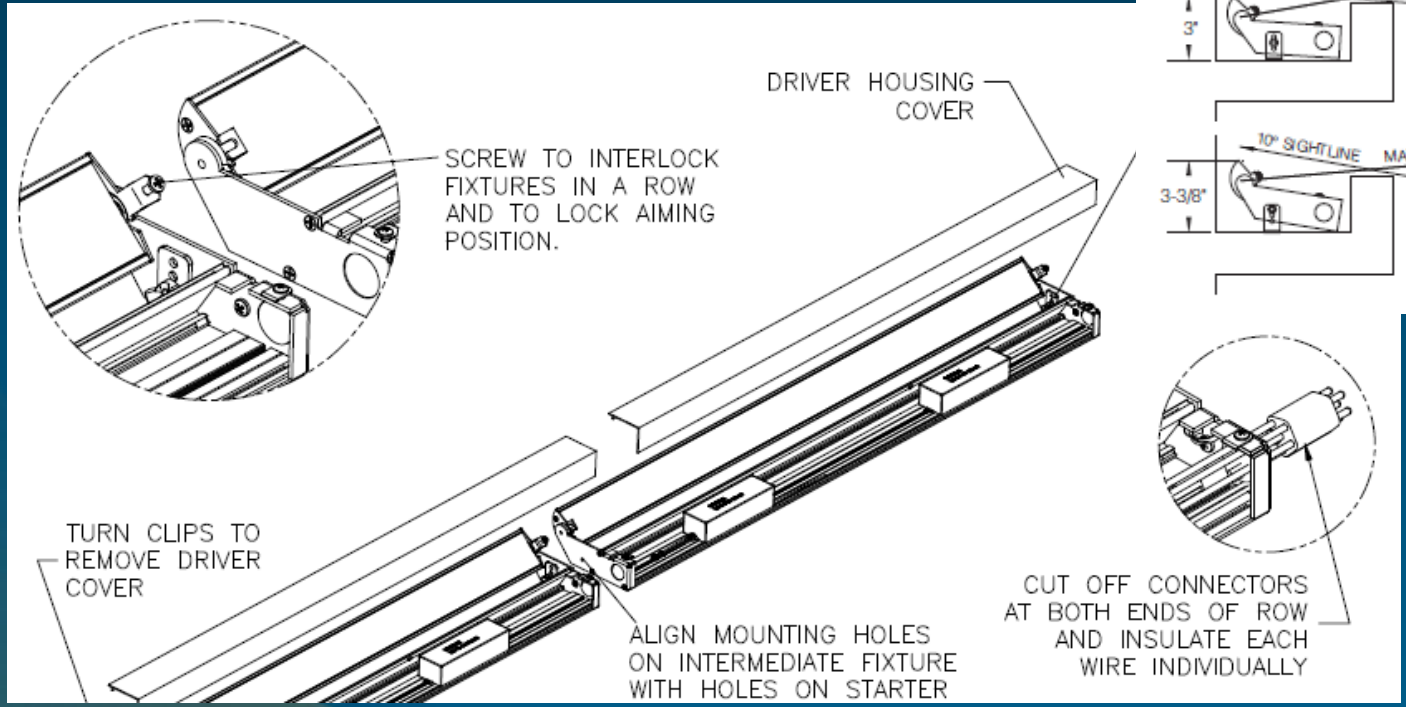
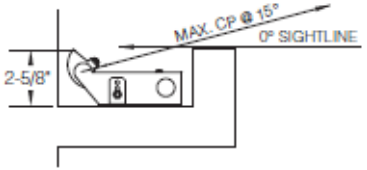
S315 Profile

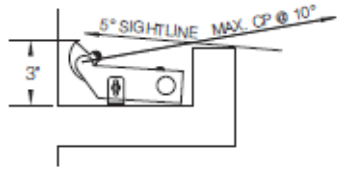


S315 Profile

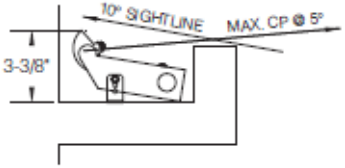




Standard (low) position allows peak candlepower to be aimed as low as **15° above horizontal.**

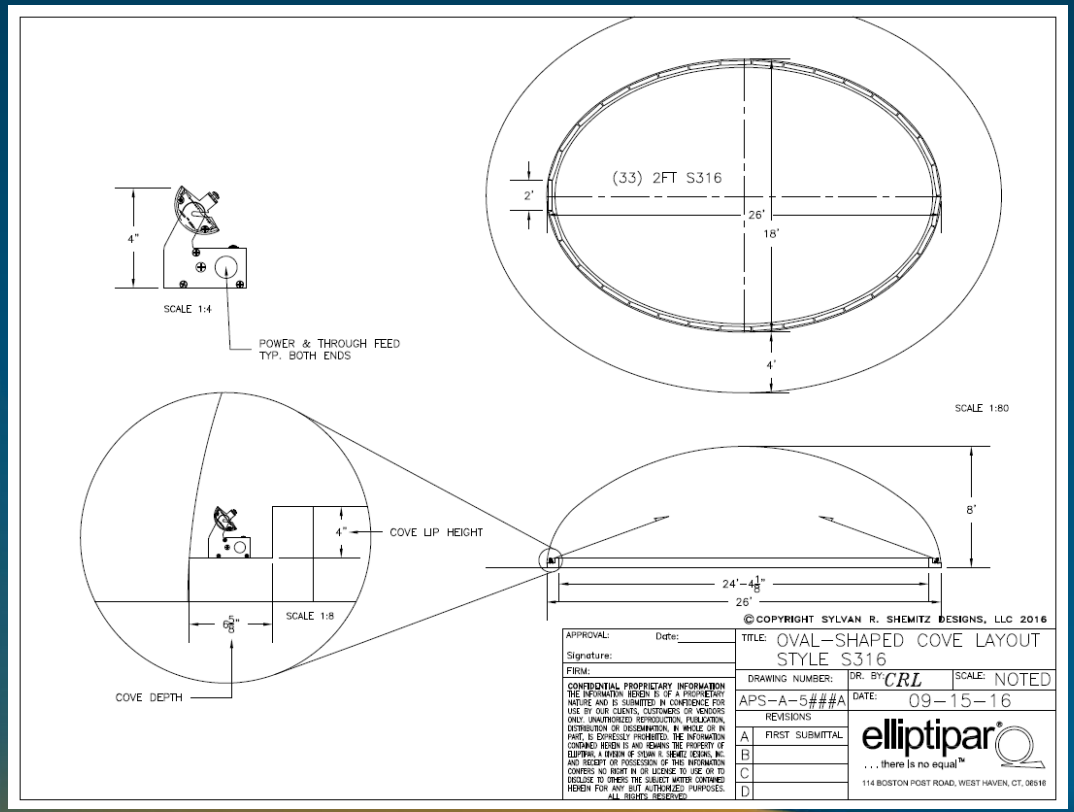


Middle position allows peak candlepower to be aimed as low as **10° above horizontal.**



High position allows peak candlepower to be aimed as low as **5° above horizontal.**

S316 Profile



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S314 Profile

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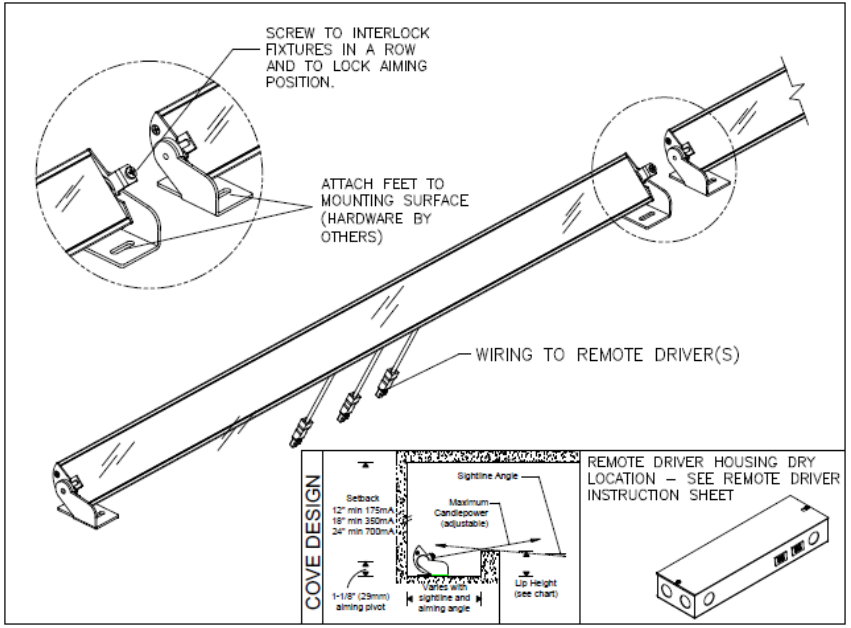

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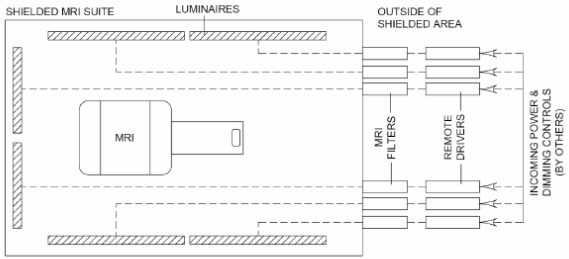
S314 Profile

LED Luminaire Installation for Magnetic Resonance Imaging Suites (MRI)

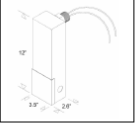
Magnetic Resonance Imaging (MRI) machines generate strong magnetic fields to create images which aid in medical diagnoses. Objects and equipment inside the MRI suite must be non-ferromagnetic and the electrical wiring entering must be filtered so as not to interfere with the medical imaging. The light source operating inside the room must not produce interference. In the past, dimmable tungsten halogen lamps on direct current have been used but they were inefficient and had a very short life. Today, LED luminaires with remote constant current drivers are ideal for MRI applications since they are energy efficient, have a very long useful life and are dimmable.



The Lighting Quotient offers several LED luminaires specifically designed for MRI suites with non-ferromagnetic components and remote drivers mounted outside of the shielded room. Each driver's output must be filtered upon entry into the shielded MRI suite.

Since MRI filters can be expensive it is recommended to contact The Lighting Quotient prior to specification as it may be possible to reduce the number of drivers and MRI filters required (depending upon the layout and type of luminaires).

The Lighting Quotient offers accessory MRI room filters (**AMR02050**) to individually filter the output of each remote LED driver entering the shielded area of the MRI suite.

AMR02050 Specifications				
Maximum Rated Voltage	250V	Case Material	Plated Steel	
Rated Current (amps)	2 wires @ 5A	Operating Temperature	-25°C to 85°C	
Overload	7.5A for 10 minutes	Output wires (load side)	UL1015	
Hi-pot Rating	Per UL 1283	Attenuation	>100dB (5MHz to 10GHz)	
Voltage Drop at rated current	<1%	IEC Climatic category	25/85/21	

AMR02050 filters provide 100 decibels of attenuation on the driver output lines from 5MHz to 10GHz up to 5 amps of current. Specifier shall confirm performance complies with filter requirements of the specific MRI equipment used.

MA-1339 B (5/5/14) **MRI Supplemental Instructions**

The Lighting Quotient
114 Boston Post Road, West Haven, Connecticut 06516, USA 203-931-4455

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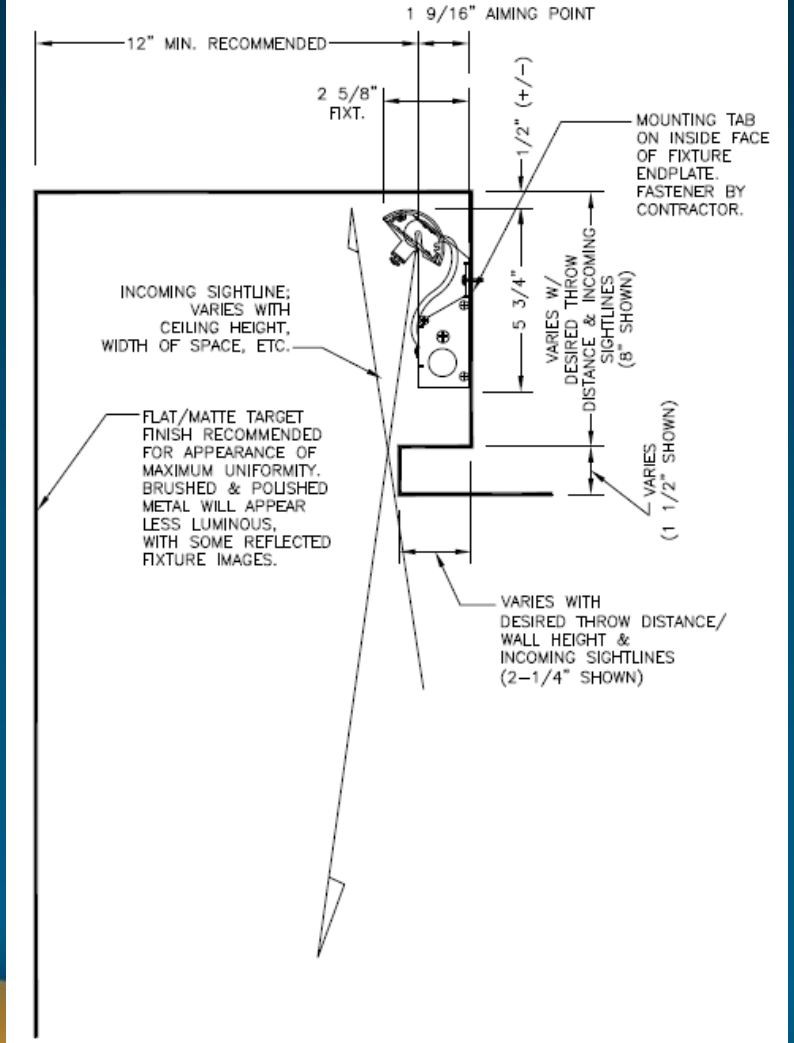
Slot Design



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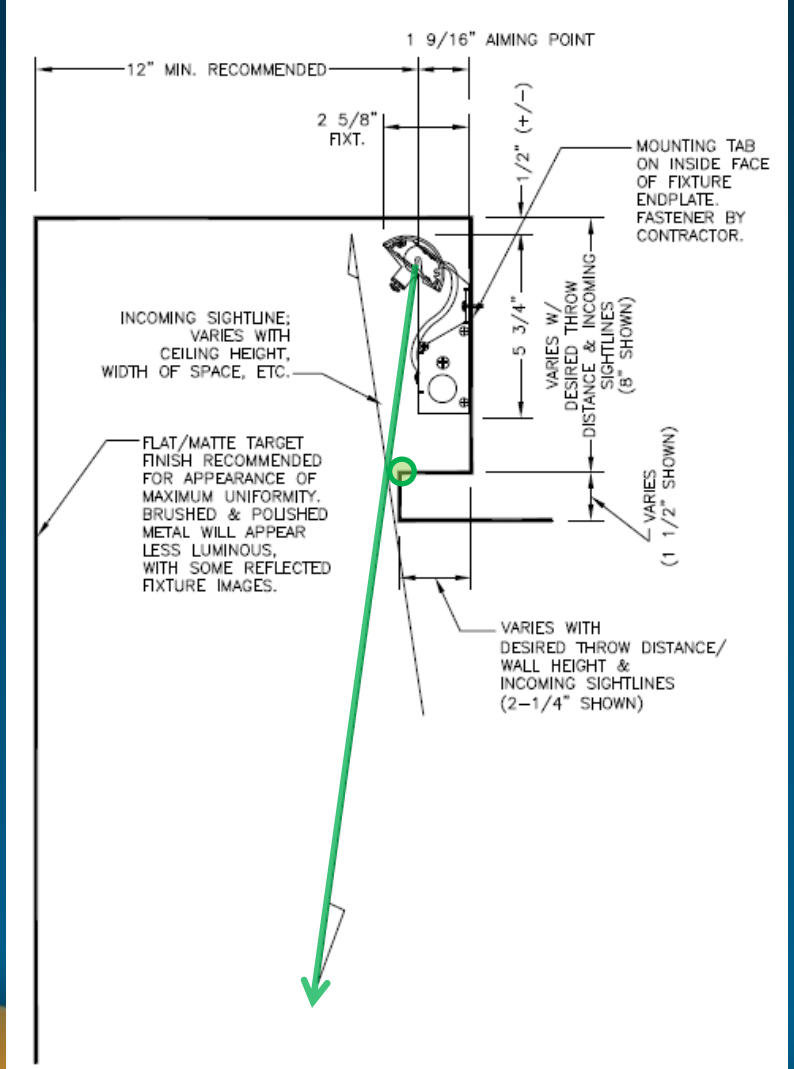

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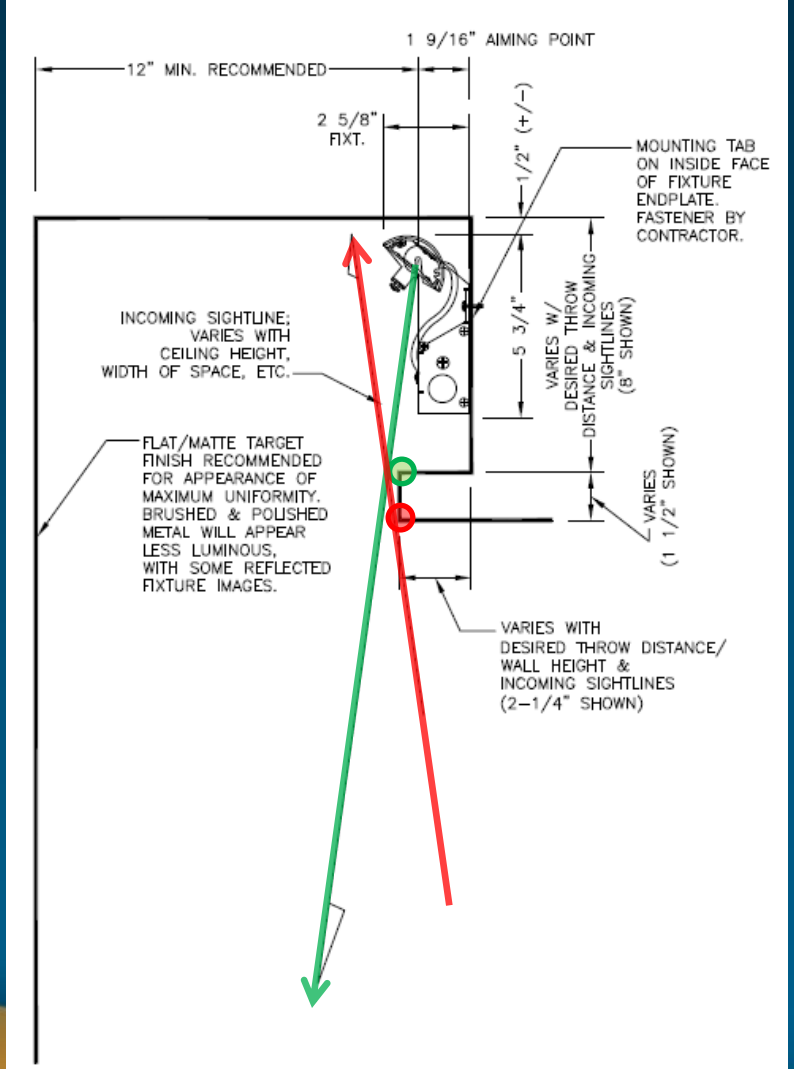
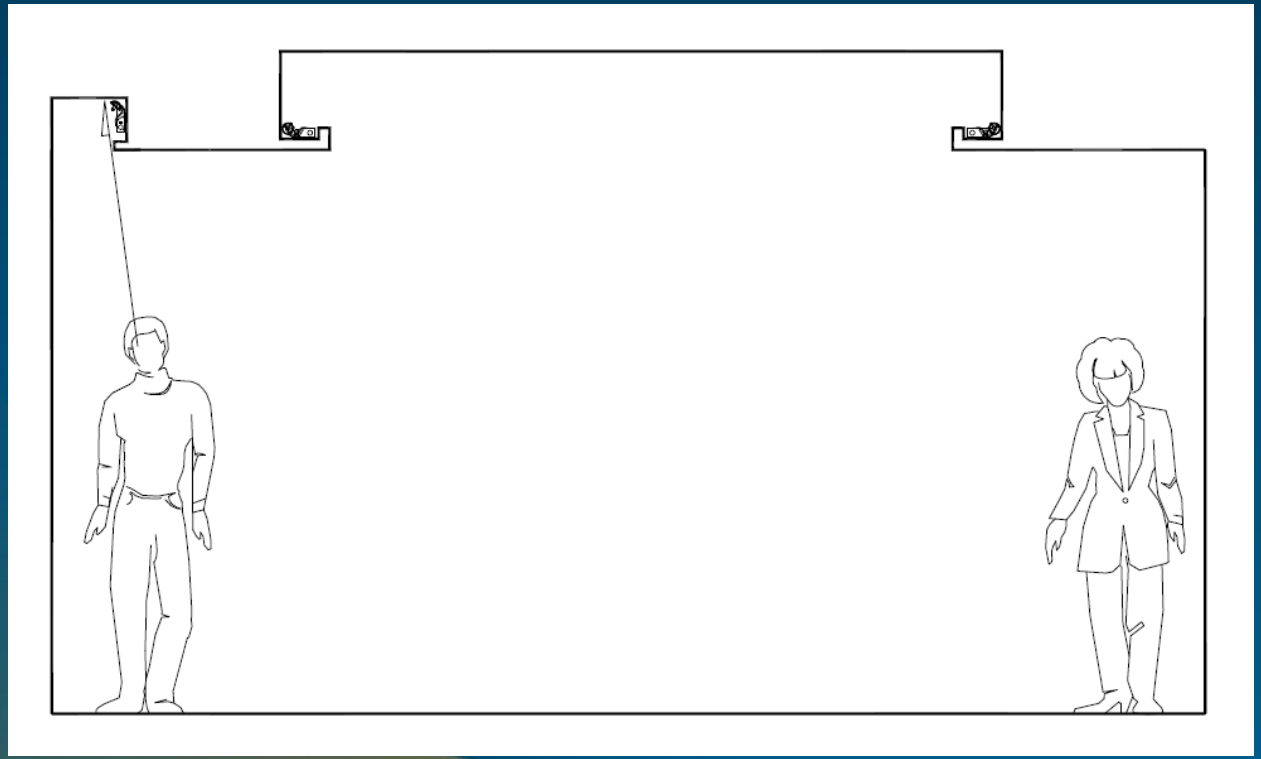


Slot Design



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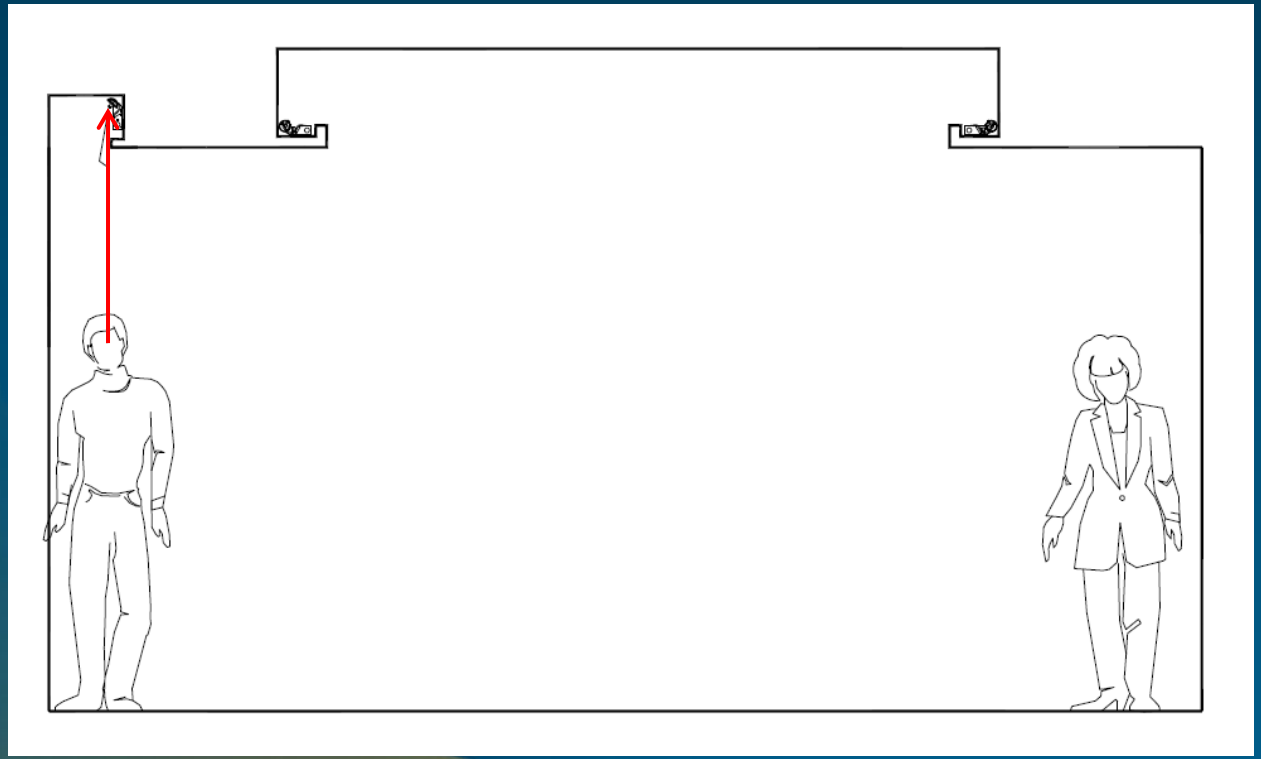
Slot Design



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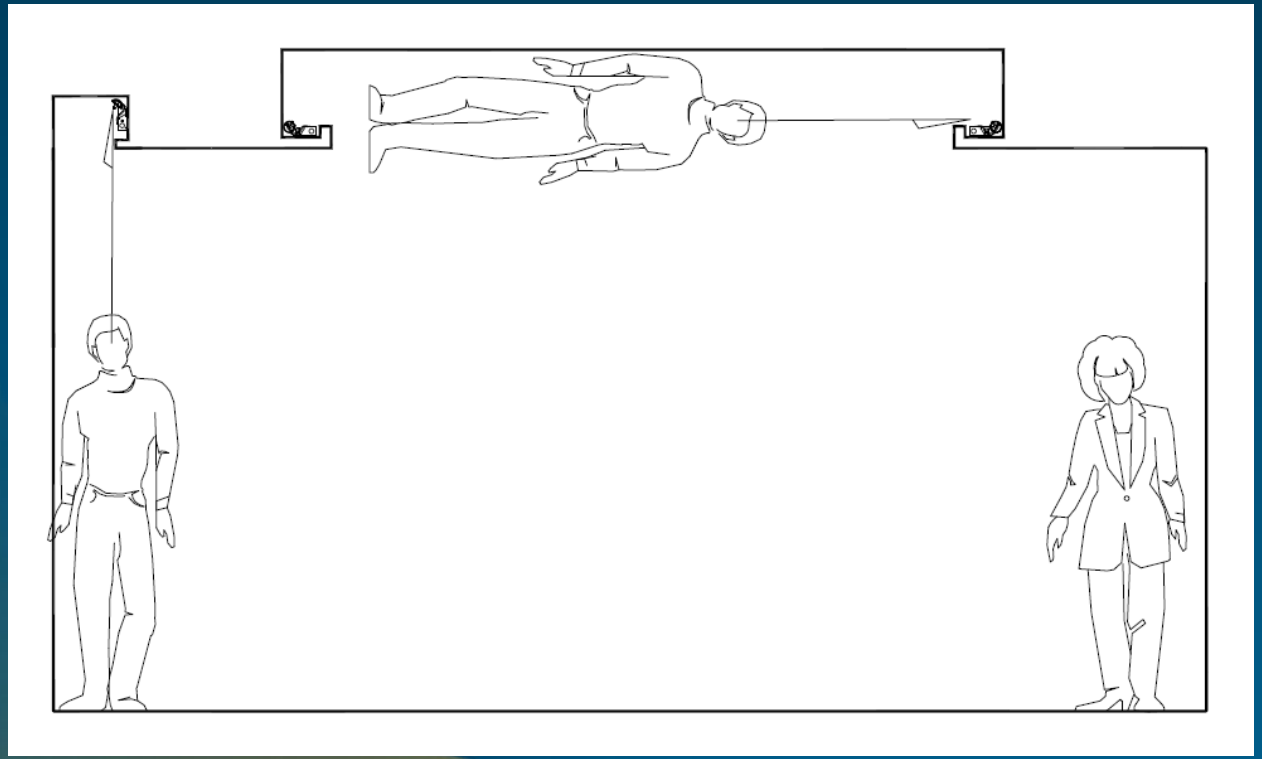

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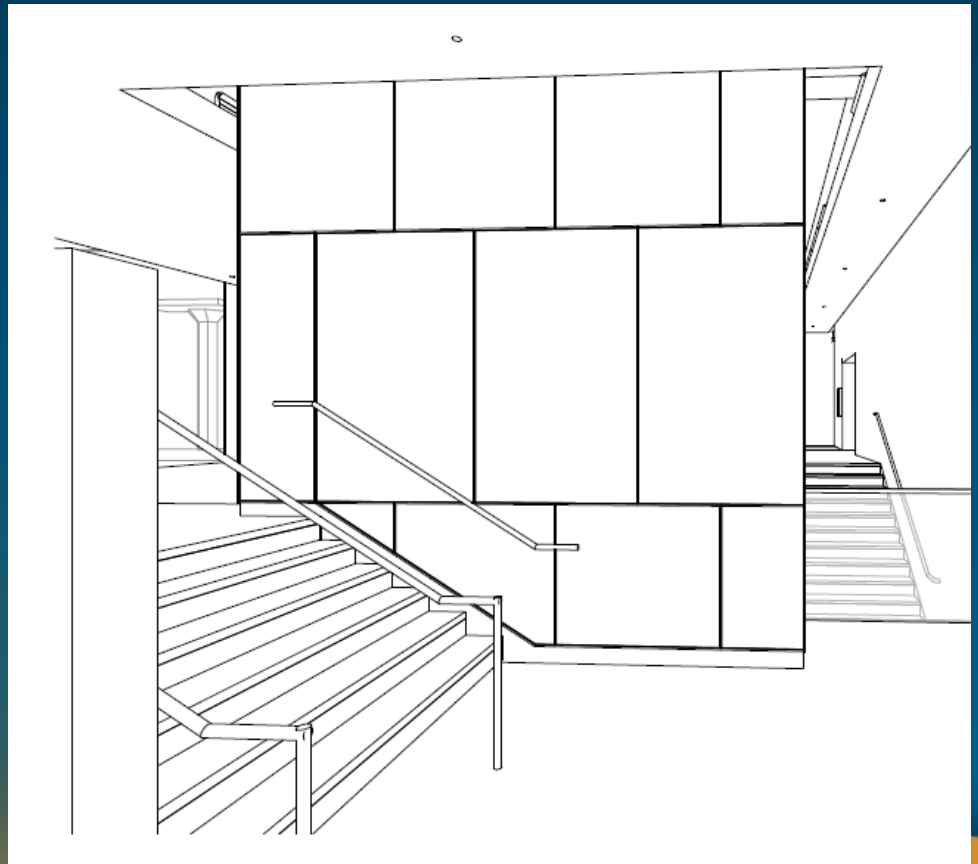
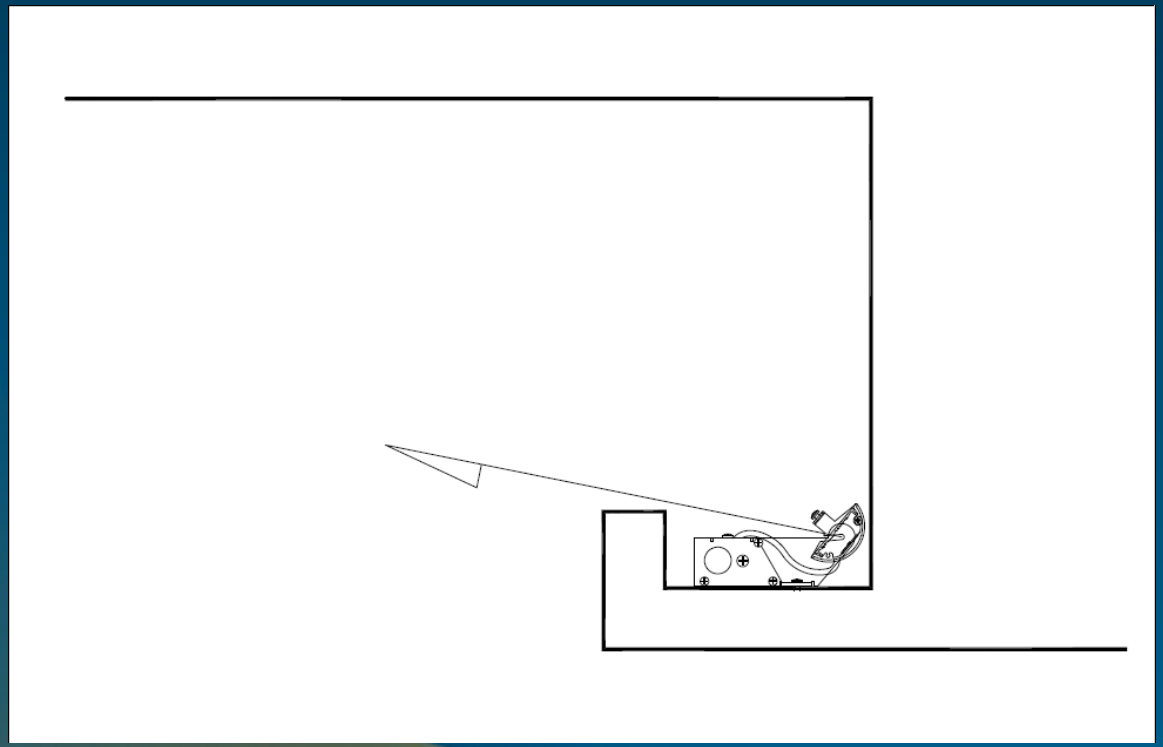
Slot Design



Sample Demonstration



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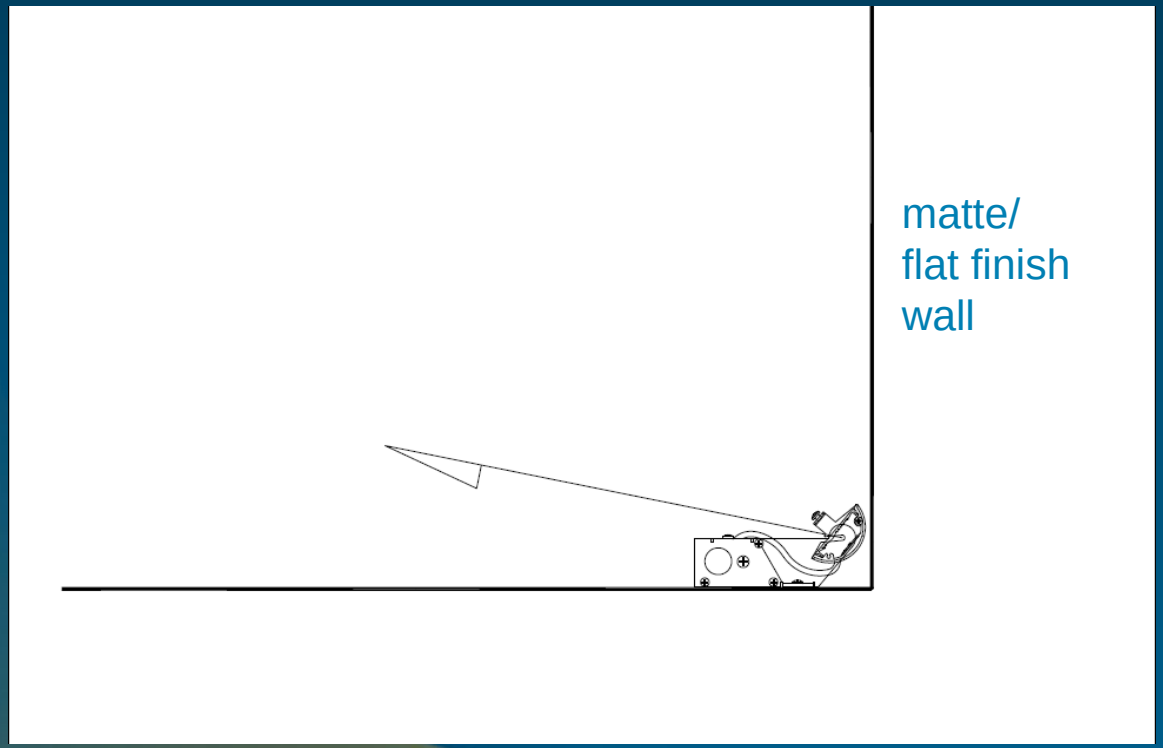
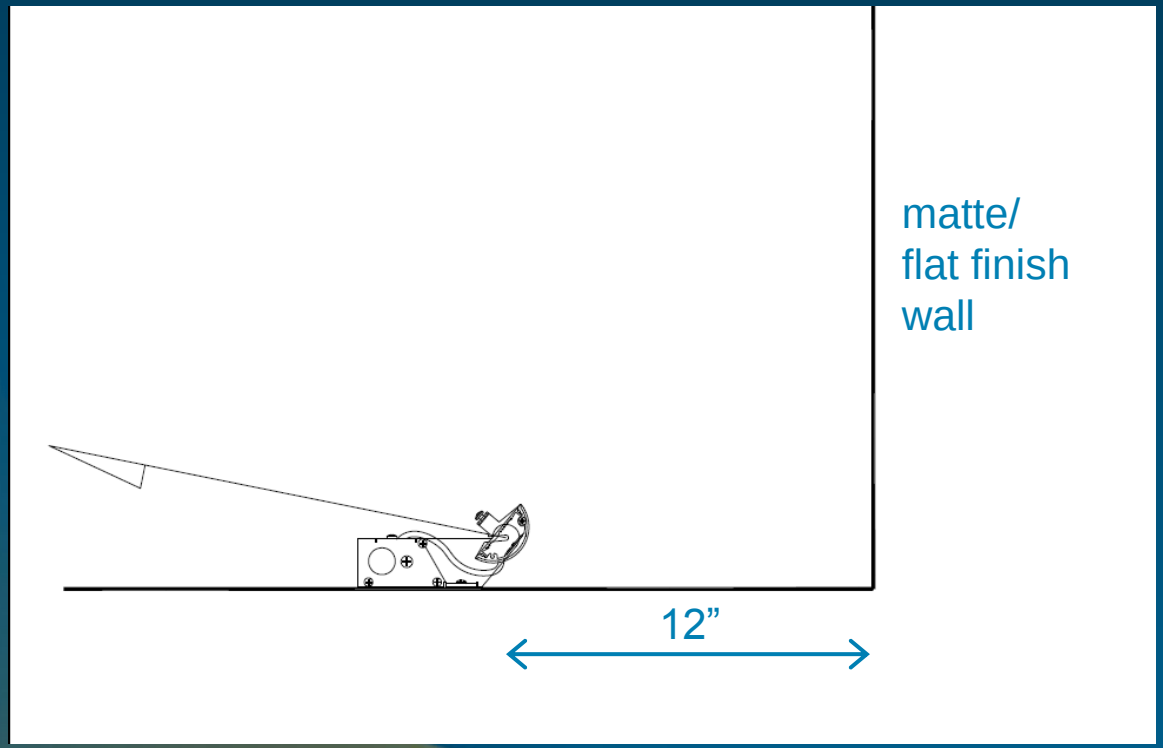
Sample Demonstration



Sample Demonstration



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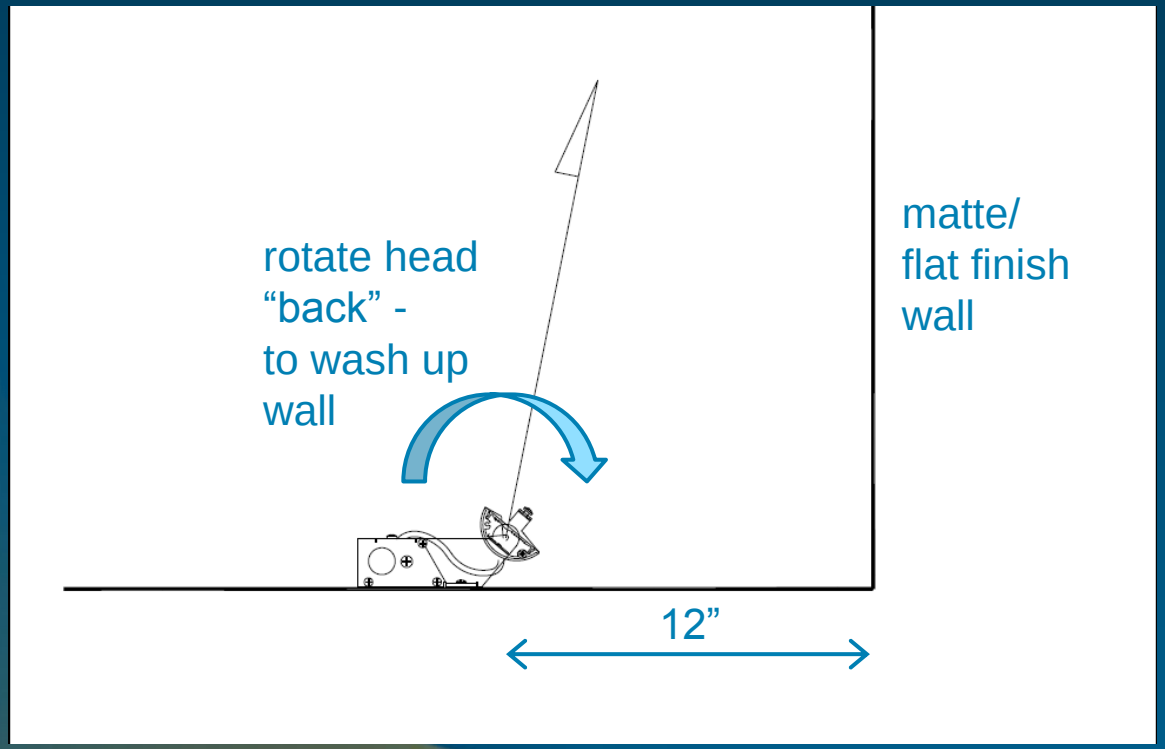
Sample Demonstration



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Thank You

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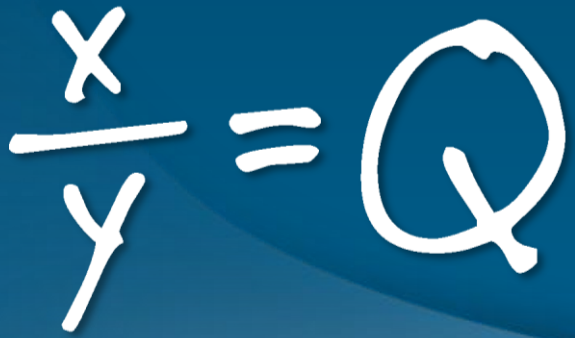

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