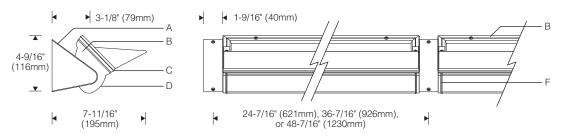
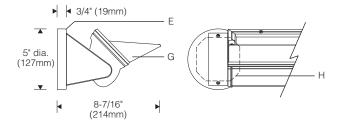
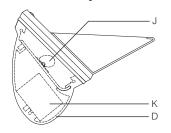
Surface Mount: Conduit Feed 1:8 Scale



Surface Mount: Canopy 1:8 Scale



Internal Components 1:4 Scale



Specifications

Optic Assembly:

- A Conduit feed hanger bracket splice compartment with cover
- **B** Die-cast aluminum end plate
- **C** Extruded aluminum door frame with mitered corners and tempered micro-prismatic glass lens
- **D** Extruded aluminum heat sink/housing
- **E** 5" dia. aluminum canopy (pendant mount)
- Aluminum reveal plate
- G Aluminum cutoff visor

- **H** Recessed outlet box (by others)
- J Field serviceable light engine with **fraqtir**™ asymmetric optic
- **K** Integral high power factor constant current driver

Mounting:

Required surface mounting hangers — ordered and priced separately; see pg. SC6.1. Specify end and intermediate hangers as needed.

Surface hanger mounts directly to wall. To mount over recessed outlet box, specify optional canopy.

Fixture weight: 3.5 lb/ft (5.1 kg/m).

Integral electronic HPF constant current driver(s). For complete driver specifications, see website, reference document MA-1303. Luminaire provided with 12" leads for connection to supply wiring within mounting hangers (ordered separately). Intermediate hangers allow for through-wiring when mounted in rows.

Standard:

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







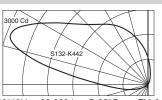
Features

- Evenly illuminates entire surface from one edge
- Adjustable aiming to tailor light distribution to the application
- Hangers allow for through-wiring and access to splices
- Several CCT, CRI and lumen packages available

Performance

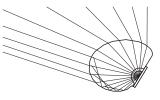
fragtir technology uses a combination of refraction and total internal reflection. creating a distribution of light ideal for illuminating surfaces uniformly. Glare is minimized while light delivered to the target is maximized, resulting in high application efficiency.

For LM79 and photometric reports, visit thelightingquotient.com



SC

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





diffuser; maximizes lateral distribution without disturbing asymmetric forward throw. Finish:

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

Two-piece extruded aluminum heat sink housing and light

Removable interior extrusion treated to maximize thermal

conductivity. Precision formed asymmetric optical light bar

of high temperature, water-clear acrylic. Tempered micro-

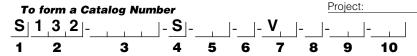
prismatic glass lens with elliptical distribution holographic

engine. Exterior heat sink anodized for maximum emissivity.

Extruded aluminum heat sink/housing, yoke arms, door frame and decorative end plates are finished in semigloss white. All luminaire hardware is stainless steel: all mounting hardware is zinc or electroplated steel.



To Order Style S132



1 Source

S = Solid state (LED)

2 Style

132 = Small indoor linear LED, adjustable, integral driver

3 Drive Current/Length/No. of LEDs

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

Lumen/Wattage Options:

L214 = 2ft fixture, 14 LEDs @ 350mA, 16 watts, 891 lumens
M214 = 2ft fixture, 14 LEDs @ 700mA, 33 watts, 1623 lumens
L221 = 2ft fixture, 21 LEDs @ 350mA, 24 watts, 1336 lumens
M221 = 2ft fixture, 21 LEDs @ 700mA, 50 watts, 2435 lumens
L318 = 3ft fixture, 18 LEDs @ 350mA, 21 watts, 1145 lumens
M318 = 3ft fixture, 18 LEDs @ 700mA, 43 watts, 2087 lumens

L328 = 3ft fixture, 28 LEDs @ 350mA, 32 watts, 1782 lumens **M328** = 3ft fixture, 28 LEDs @ 700mA, 67 watts, 3247 lumens

L424 = 4ft fixture, 24 LEDs @ 350mA, 27 watts, 1527 lumens **M424** = 4ft fixture, 24 LEDs @ 700mA, 57 watts, 2783 lumens

L442 = 4ft fixture, 24 LEDs @ 700mA, 57 watts, 2783 lumens **L442** = 4ft fixture, 42 LEDs @ 350mA, 47 watts, 2672 lumens **M442** = 4ft fixture, 42 LEDs @ 700mA, 97 watts, 4870 lumens

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

Note: J and K codes are discontinued.

4 Mounting

S = Surface mounted with required surface hangers ordered and priced separately; see hangers at right

5 Finish

- **02** = Semigloss white housing, end plates, door frame, yoke arms and visor (if applicable); black back box
- 99 = Custom RAL or computer matched color to be specified, consult sales representative

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

V0 = Cutoff visor included, no other option

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

8 Destination Requirement

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

J = UL listed or CSA certified for Canada

9 Color Temperature

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

35 = 3500K, 80+ CRI

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

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

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

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

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

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

Refer to Driver Information document MA-1303

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

Required Mounting Hangers (S Mount)

VSA and/or VSB surface mounting hangers are required for S mount S132 fixtures — ordered and priced separately, see installation sheets on website. For individually mounted luminaires, order two end hangers for each housing. For a continuous row, order two end hangers. To determine the quantity of intermediate hangers, total the number of housings in the row and subtract one. Example: a row of five housings requires 2 end hangers and 4 intermediate hangers.

VSA Surface hanger, intermediate

VSB Surface hanger, end

Type:

DOE Lighting Facts label for S132, 4ft fixture (42 LEDs) @ 700mA, 3500K/80+CRI



Example

S132-M318-S-02-M-V0-0-3H-TE

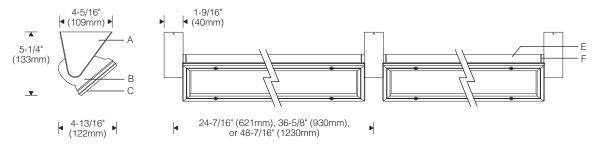
Small indoor 3ft linear LED, extruded aluminum heat sink/housing, door frame, cutoff visor and decorative end plates finished semigloss white. Integral 120-277V, 700mA dimming driver compatible with line voltage trailing edge/reverse phase/ELV dimming controls by others, dims to 10% power, UL listed or CSA certified for U.S., dry location. 3000K, 90+ CRI.



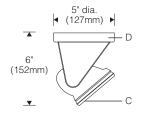
The external shapes of the housings are trademarks of Sylvan R. Shemitz Designs, LLC dba **The Lighting Quotient**, makers of **elliptipar**, **tambient** and **fraqtir**.

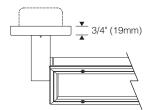
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Surface Mount: Conduit Feed 1:8 Scale

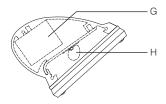


Surface Mount: Canopy 1:8 Scale





Internal Components 1:4 Scale



Specifications

Optic Assembly:

asymmetric forward throw.

zinc or electroplated steel.

- A Conduit feed hanger bracket splice compartment with cover
- B Die-cast aluminum end plate
- **C** Extruded aluminum door frame with mitered corners and tempered micro-prismatic glass lens

Two-piece extruded aluminum heat sink housing and light

Removable interior extrusion treated to maximize thermal

conductivity. Precision formed asymmetric optical light bar

of high temperature, water-clear acrylic. Tempered micro-

prismatic glass lens with elliptical distribution holographic

Exterior surfaces – 6 stage pretreatment and electrostatically

Extruded aluminum heat sink/housing, yoke arms, door frame

All luminaire hardware is stainless steel; mounting hardware is

applied thermoset polyester powder coating for a durable

and decorative end plates are finished in semigloss white.

abrasion, fade and corrosion resistant finish.

diffuser; maximizes lateral distribution without disturbing

engine. Exterior heat sink anodized for maximum emissivity.

- **D** 5" dia. aluminum canopy (pendant mount)
- **E** Extruded aluminum heat sink/housing
- **F** Aluminum reveal plate
- **G** Integral high power factor constant current driver
- **H** Field serviceable light engine with **fraqtir**™ asymmetric optic

Mounting:

Required surface mounting hangers ordered and priced separately, see pg. SW10.1. Specify end and intermediate hangers.

Surface hanger mounts directly to ceiling. To mount over recessed outlet box, specify optional canopy.

Fixture weight: 3.5 lb/ft (5.1 kg/m).

Electrical:

Integral electronic HPF constant current driver(s). For complete driver specifications, see website, reference document MA-1303

Luminaire provided with 12" leads for connection to supply wiring within mounting hangers (ordered separately). Intermediate hangers allow for through-wiring when mounted in rows.

Standard:

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







Features

- Evenly lights entire wall
- Hanger allows direct conduit feed optional canopy
- Adjustable aiming tailor distribution to wall height and setback distance
- Several lumen packages that put the light on target

Performance

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





SW

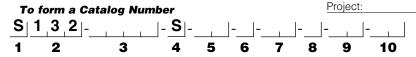
10.0

For LM79 and photometric reports, visit thelightingquotient.com

L90(10k) > 60.000 hrs@ 25°C per TM-21



Finish:



1 Source

S = Solid state (LED)

2 Style

132 = Small indoor linear LED, adjustable, integral driver

3 Drive Current/Length/No. of LEDs

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

Lumen/Wattage Options:

L214 = 2ft fixture, 14 LEDs @ 350mA, 16 watts, 891 lumens **M214** = 2ft fixture, 14 LEDs @ 700mA, 33 watts, 1623 lumens **L221** = 2ft fixture, 21 LEDs @ 350mA, 24 watts, 1336 lumens **M221** = 2ft fixture, 21 LEDs @ 700mA, 50 watts, 2435 lumens

L318 = 3ft fixture, 18 LEDs @ 350mA, 21 watts, 1145 lumens **M318** = 3ft fixture, 18 LEDs @ 700mA, 43 watts, 2087 lumens

L328 = 3ft fixture, 28 LEDs @ 350mA, 32 watts, 1782 lumens **M328** = 3ft fixture, 28 LEDs @ 700mA, 67 watts, 3247 lumens

L424 = 4ft fixture, 24 LEDs @ 350mA, 27 watts, 1527 lumens **M424** = 4ft fixture, 24 LEDs @ 700mA, 57 watts, 2783 lumens

L442 = 4ft fixture, 42 LEDs @ 350mA, 47 watts, 2672 lumens **M442** = 4ft fixture, 42 LEDs @ 700mA, 97 watts, 4870 lumens

Based on 3500K/80+CRI. Click here for scaled performance table.

Note: J and K codes are discontinued.

4 Mounting

10.1

S = For use with required surface hangers — ordered and priced separately; see hangers at right

5 Finish

- **02** = Semigloss white housing, end plates, door frame, yoke arms and visor (if applicable); black back box
- 99 = Custom RAL or computer matched color to be specified, consult sales representative

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

00 = No options

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

8 Destination Requirement

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

J = UL listed or CSA certified for Canada

9 Color Temperature

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

35 = 3500K, 80+ CRI

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

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

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

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

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

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

Refer to Driver Information document MA-1303

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

Required Mounting Hangers (S Mount)

VSA and/or VSB surface mounting hangers are required for S mount S132 fixtures — ordered and priced separately, see installation sheets on website. For individually mounted luminaires, order two end hangers for each housing. For a continuous row, order two end hangers. To determine the quantity of intermediate hangers, total the number of housings in the row and subtract one. Example: a row of five housings requires 2 end hangers and 4 intermediate hangers.

VSA Surface hanger, intermediate

VSB Surface hanger, end

Type:

DOE Lighting Facts label for S132, 4ft fixture (42 LEDs) @ 700mA, 3500K/80+CRI.



elliptipar*
with fraqtir**LED

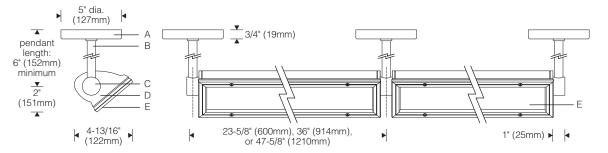
elliptipar from The Lighting Quotient

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Pendant Mount 1:8 Scale



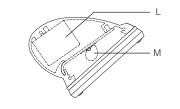
Cantilever Mount 1:8 Scale



√ 3" (76mm)

(114mm

Internal Components 1:4 Scale



(457mm) **Specifications**

_

(152mm)

.

- A 5" dia. aluminum canopy (pendant mount)
- **B** Extruded aluminum pendant stem
- C Machined aluminum hub
- Die-cast aluminum end plate
- **E** Extruded aluminum door frame with mitered corners and tempered microprismatic glass lens

4-1/2"

(114mm)

- **F** Rectangular aluminum canopy (cantilever mount)
- **G** Chrome cap nuts
- H Cantilever mounting plate
- **J** Outlet box (by others)
- K Splice access opening
- L Integral high power factor constant current driver
- **M** Field serviceable light engine with **fraqtir**™ optic



Features

- Evenly lights entire wall
- Versatile pendant or cantilever mounting options
- Adjustable aiming tailor distribution to wall height and setback distance
- Several lumen packages that put the light on target

Optic Assembly:

Two-piece extruded aluminum heat sink housing and light engine. Exterior heat sink anodized for maximum emissivity. Removable interior extrusion treated to maximize thermal conductivity. Precision formed asymmetric optical light bar of high temperature, water-clear acrylic. Tempered microprismatic glass lens with elliptical distribution holographic diffuser; maximizes lateral distribution without disturbing asymmetric forward throw.

Finish:

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

Extruded aluminum heat sink/housing, yoke arms, door frame and decorative end plates are finished in semigloss white.

All luminaire hardware is stainless steel; mounting hardware is zinc or electroplated steel.

Mounting:

Required pendant or cantilever mounting hangers for X mount ordered and priced separately; see pg. SW11.1. Pendant

assembly furnished with canopy for mounting onto recessed outlet box. Optional hang-straight allows mounting on slopes up to 45° (in the plane perpendicular to wall). Cantilever wall plate mounts over recessed outlet box (suitable backing structure required). Adjustable interface plate (concealed under canopy) allows for leveling of arms.

Fixture weight: 3.5 lb/ft (5.1 kg/m).

Electrical:

Integral electronic HPF constant current driver(s), dimming drivers are optional. X mount: 84" leads exit one end of housing (OF option, 84" leads exit both ends for feed-through wiring).

For complete driver specifications, see website, reference document MA-1303.

Standard:

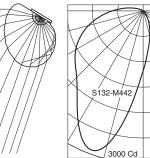
UL listed or CSA certified for dry locations. 5 year warranty, maximum ambient temperature 45°C (113°F).



Performance

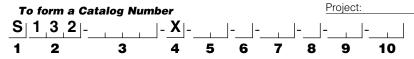
fragtir technology uses a combination of refraction and total internal reflection, creating a distribution of light ideal for illuminating surfaces uniformly. Glare is minimized while light delivered to the target is maximized, resulting in high application efficiency.





L90(10k) > 60.000 hrs@ 25°C per TM-21





1 Source

S = Solid state (LED)

2 Style

132 = Small indoor linear LED, adjustable, integral driver

3 Drive Current/Length/No. of LEDs

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

Lumen/Wattage Options:

L214 = 2ft fixture, 14 LEDs @ 350mA, 16 watts, 891 lumens M214 = 2ft fixture, 14 LEDs @ 700mA, 33 watts, 1623 lumens L221 = 2ft fixture, 21 LEDs @ 350mA, 24 watts, 1336 lumens M221 = 2ft fixture, 21 LEDs @ 700mA, 50 watts, 2435 lumens L318 = 3ft fixture, 18 LEDs @ 350mA, 21 watts, 1145 lumens M318 = 3ft fixture, 18 LEDs @ 700mA, 43 watts, 2087 lumens L328 = 3ft fixture, 28 LEDs @ 350mA, 32 watts, 1782 lumens

M328 = 3ft fixture, 28 LEDs @ 700mA, 67 watts, 3247 lumens **L424** = 4ft fixture, 24 LEDs @ 350mA, 27 watts, 1527 lumens

M424 = 4ft fixture, 24 LEDs @ 700mA, 57 watts, 2783 lumens **L442** = 4ft fixture, 42 LEDs @ 350mA, 47 watts, 2672 lumens

M442 = 4ft fixture, 42 LEDs @ 700mA, 97 watts, 4870 lumens Based on 3000K/80+CRI. Click here for scaled performance table.

Note: J and K codes are discontinued.

4 Mounting

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

5 Finish

- **02** = Semigloss white housing, end plates, door frame, yoke arms and visor (if applicable); black back box
- 99 = Custom RAL or computer matched color to be specified, consult sales representative

elliptipar

with fractir™LED

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

00 = No options

0F = Feed-through wiring option

V0 = Cutoff visor

VF = Cutoff visor with feed-through wiring option

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

8 Destination Requirement

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

J = UL listed or CSA certified for Canada

9 Color Temperature

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

35 = 3500K, 80+ CRI

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

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

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

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

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

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

Refer to Driver Information document MA-1303

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

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Required Mounting Hangers (X Mount)

HSC, HSD, HSF, HSG, HSJ or HSK mounting hangers are required for X mount S132 fixtures — ordered and priced separately; see installation sheets on website. For individually mounted luminaires, order two end hangers for each housing. For a continuous row, order two end hangers. To determine the quantity of intermediate hangers, total the number of housings in the row and subtract one. Example: a row of five housings requires 2 end hangers and 4 intermediate hangers.

HSC Cantilever hanger with wall plate, intermediate

HSD Cantilever hanger with wall plate, end

Type:

HSF Pendant hanger with canopy, straight, **intermediate**

HSG Pendant hanger with canopy, straight, end

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

HSK Pendant hanger with canopy, swivel (up to 45°), **end**

DOE Lighting Facts label for \$132, 4ft fixture (42 LEDs) @ 700mA, 3500K/80+CRI



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