

MILLENNIUM FREESCALE™

FS518 SERIES

PRODUCT FEATURES:

- » Surface mount – wall or ceiling; 8"W×23"L×4"D
- » Marine grade aluminum baseplate
- » Round or Triangle 100% DR acrylic lens options with multiple lens frame styles
- » ADA Compliant
- » UL certified IP65 per IEC 60598



FS518R FS518T

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

BASEPLATE: Die-formed marine grade aluminum; welded corners. Baseplate provided with four-point mounting holes, one wireway hole. TGIC Polyester powder coat – 5-stage pre-treatment; Salt spray test: 1,000 hours.

REFLECTOR: Die-formed marine grade aluminum. Full reflector/wire cover – 92% reflectivity.

LENS: UV-stabilized, high impact resistant, pressure formed pearlescent 100% DR acrylic. Nominal thickness .125". Lens secured in place by lens frame and sealed to baseplate with closed cell silicone gasket.

LENS FRAME/CROSS BARS: Marine grade aluminum; secured to baseplate with tamper-resistant stainless steel Torx® with center pin fasteners. Cross bars nominal thickness .25". Post assembly TGIC polyester powder coat – 5-stage pre-treatment; Salt spray test: 1,000 hours. Optional perf insert 30% open, stainless steel.

HARDWARE: Four stainless steel Torx® T-20 with center pin fasteners. Internal brackets and fasteners are non-corrosive. Surface Conduit Adapter (SCA) accessory – stainless steel trim frame assembly with integral J-box; finished to match lens frame (not available with CA finish). Watertight conduit fittings supplied by others. Rough Service Adapter (RSA) accessory – stainless steel plate (adds .625" height) finished to match lens frame (not available with CA finish). Stainless steel fasteners provided for mounting fixture to RSA or SCA.

ELECTRICAL: Available 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 10-100% range, maximum driver source of 500 µA.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here](#).

INSTALLATION: Standard four-point mounting required for Peace of Mind Guarantee®.

PHOTOMETRICS: For photometric information, go to www.kenall.com.

WARRANTY: Limited five (5) year LED warranty. [Peace of Mind Guarantee against breakage](#).

LISTINGS: UL and CUL listed for Wet Location. UL certified IP65 per IEC 60598. Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory.



ORDERING INFORMATION (Ex: FS518R-2M-PIA-DB-18L40K-1-120-FS)

Model	Lens Frame	Lens Type	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
					1			

Model

FS518R 5"×18" Round
FS518T 5"×18" Triangle

Lens Frame

0 No Bars
2M Two Bars – Middle
2TB Two Bars – Top & Bottom
2TBP Two Horizontal Bars w/Perf
3E Three Bars – Even Spaced
4TB Four Bars – Top & Bottom

Lens Type

PIA Pearlescent High Impact 100% DR Acrylic
MPA Matte Pearlescent High Impact 100% DR Acrylic

Finish

BR Bronze
CS Cool Satin Aluminum
DB Dark Bronze
FG Forest Green
LG Light Gray
MB Matte Black
MW Matte White
WS Warm Satin Aluminum
CC Custom Color (Consult factory)

Lamp Type

18L35K 18 Watt 3500K LED
18L40K 18 Watt 4000K LED
18L50K 18 Watt 5000K LED

Lamp Quantity

1 One Lamp

Voltage

120 120 Volts
277 277 Volts
DV 120-277 Volts, electronic ballasts only

Options

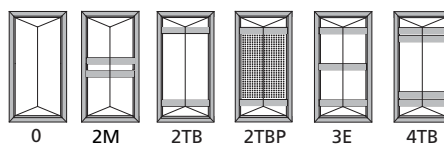
FS Single Fuse & Holder
PH Phillips Head Fasteners
PC Photo Control with deep housing surface adapter (n/a with DV)

Accessories

SCA▲ Surface Conduit Adapter (not ADA compliant)
RSA▲ Rough Surface Adapter (not ADA compliant)

▲ n/a with option(s) that require deep housing surface adapter

LENS FRAME



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

MILLENIUM FREESCALE™

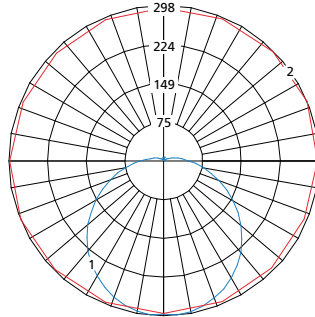
FS518 SERIES – Technical Data

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
18L35K	1183	56	21	94	80,000
18L40K	1261	60	21	94	80,000
18L50K	1311	62	21	94	80,000

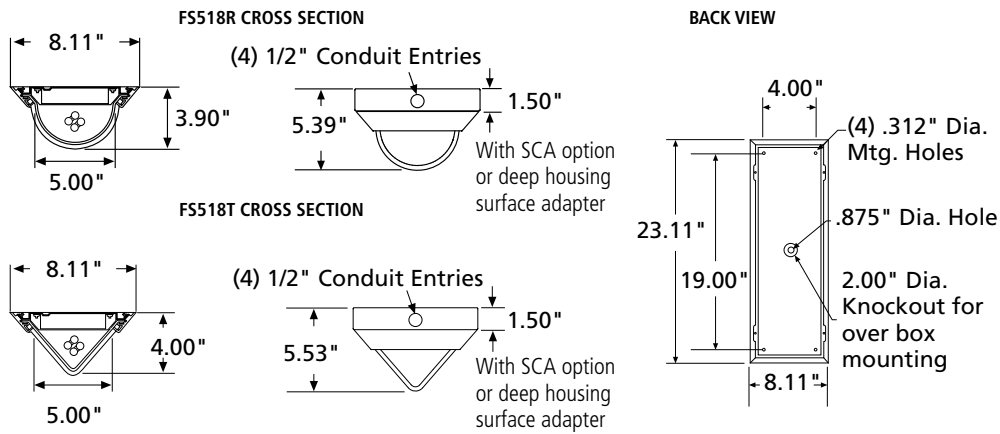
Displayed info is for PIA lens only. Infor subject to change. Visit www.kenall.com for IES files and additional information.

Model: FS518T-2TB-PIA-MW-18L40K-1-120



Maximum Candela = 298 Located At Horizontal Angle = 22.5, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (22.5-202.5) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA



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