

# MILLENNIUM FREESCALE™

## FS818 SERIES

### PRODUCT FEATURES:

- » Surface mount – wall or ceiling; 12"W×23"H×6"D
- » Marine grade aluminum baseplate
- » Round or Triangle 100% DR acrylic lens options with multiple lens frame styles
- » UL certified IP65 per IEC 60598



FS818R

FS818T

### SPECIFICATIONS

**BASEPLATE:** Die-formed marine grade aluminum; welded corners. Baseplate provided with four-point mounting holes, one wireway hole – see Cross Section/Details. 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. See Ordering Information for standard, optional, architectural, and custom finishes.

**HARDWARE:** Four stainless steel Torx® 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 (n/a with CA finish). Water-tight conduit fittings supplied by others. Rough Service Adapter (RSA) accessory – stainless steel plate (adds .625" height) finished to match lens frame (n/a 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.

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

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric information, go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year LED warranty.

**LISTINGS:** UL and CUL listed for Wet Location. UL certified IP65 per IEC 60598.



### ORDERING INFORMATION (Ex: FS818T-1M-PIA-MB-25L40K-1-120-FS)

Model	Lens Frame	Lens Type	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
					<b>1</b>			
<b>Model</b>		<b>Lamp Type</b>		<b>Options</b>				
FS818R Round		25L35K 25 Watt 3500K LED		FS Single Fuse & Holder				
FS818T Triangle		25L40K 25 Watt 4000K LED		PC Photo Control with deep housing surface adapter (n/a with DV)				
		25L50K 25 Watt 5000K LED		PH Phillips Head Fasteners				
<b>Lens Frame</b>		<b>Lamp Quantity</b>		<b>Accessories</b>				
0 No Bars		1 One Lamp		RSA▼ Rough Surface Adapter				
1M One Bar – Middle				SCA▼ Surface Conduit Adapter				
2M Two Bars – Middle				9500 Torx® Screwdriver				
2TB Two Bars – Top & Bottom				D-0552 Torx® Driver Bit				
2TBP Two Horizontal Bars w/Perf		<b>Voltage</b>						
3E Three Bars – Even Spaced		120 120 Volts						
4TB Four Bars – Top & Bottom		277 277 Volts						
		DV 120-277 Volts						

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

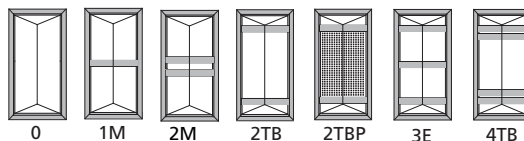
### Lens Type

- 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)

### LENS FRAME



[www.kenall.com](http://www.kenall.com)

P: 800-4-Kenall

F: 262-891-9701

10200 55th Street Kenosha, Wisconsin 53144

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# MILLENIUM FREESCALE™

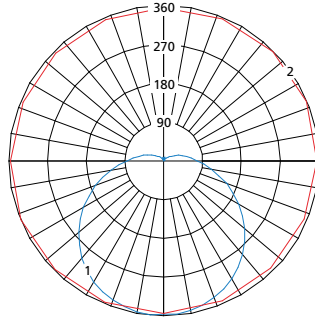
## FS818 SERIES – Technical Data

### PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
25L35K	1636	55	30	94	80,000
25L40K	1744	58	30	94	80,000
25L50K	1814	60	30	94	80,000

Displayed info is for PIA lens only. Infor subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: FS818T-2TB-PIA-MB-25L40K-DV

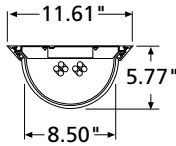


Maximum Candela = 360 Located At Horizontal Angle = 202.5, Vertical Angle = 5

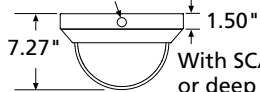
- 1 - Vertical Plane Through Horizontal Angles (202.5-22.5) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

FS818R CROSS SECTION

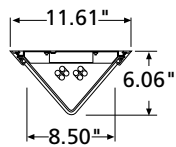


(4) 1/2" Conduit Entries

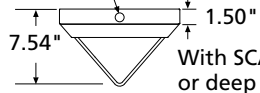


With SCA option or deep housing surface adapter

FS818T CROSS SECTION

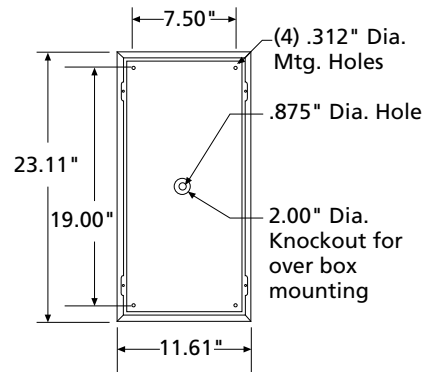


(4) 1/2" Conduit Entries



With SCA option or deep housing surface adapter

BACK VIEW



[www.kenall.com](http://www.kenall.com)

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