

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® 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 (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.

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: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. 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.



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

Model	Lens Frame	Lens Type	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
1								
Model				Lamp Type			Options	
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
Lens Frame				Lamp Quantity			Accessories	
0	No Bars			1	One	Lamp	RSA▼	Rough Surface Adapter
1M	One Bar – Middle						SCA▼	Surface Conduit Adapter
2M	Two Bars – Middle							
2TB	Two Bars – Top & Bottom			Voltage				
2TBP	Two Horizontal Bars w/Perf			120	120	Volts		
3E	Three Bars – Even Spaced			277	277	Volts		
4TB	Four Bars – Top & Bottom			DV	120-277	Volts		
								▼ n/a with option(s) that require deep housing surface adapter

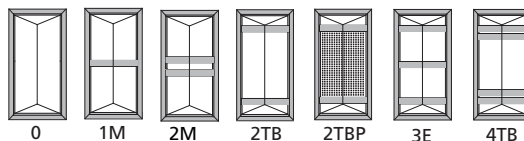
Lens Type

- 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



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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.

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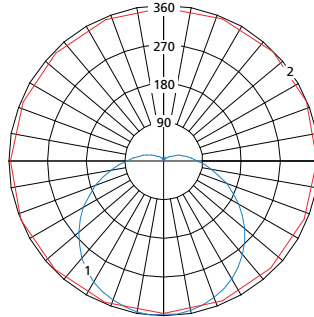
FS818 SERIES – Technical Data

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 for IES files and additional information.

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

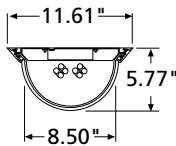


Maximum Candela = 360 Located At Horizontal Angle = 202.5, Vertical Angle = 5

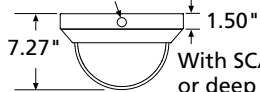
- 1 - Vertical Plane Through Horizontal Angles (202.5-22.5) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

FS818R CROSS SECTION

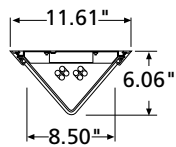


(4) 1/2" Conduit Entries

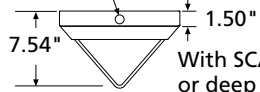


With SCA option or deep housing surface adapter

FS818T CROSS SECTION



(4) 1/2" Conduit Entries



With SCA option or deep housing surface adapter

BACK VIEW

