

MILLENNIUM FREESCALE™

FS812 SERIES

PRODUCT FEATURES:

- » Wall or ceiling mount – 12"W×15"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



FS812R

FS812T

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 – 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.



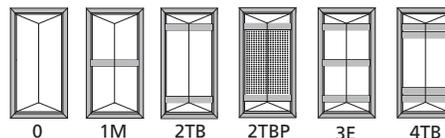
ORDERING INFORMATION (Ex: FS812R-3E-PIA-MW-18L40K-1-120-FS)

Model	Lens Frame	Lens Type	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
					1			
Model	Lamp Type		Options					
FS812R Round	18L35K 18 Watt 3500K LED		FS Single Fuse & Holder (N/A with DV)					
FS812T Triangle	18L40K 18 Watt 4000K LED		PC Photo Control with deep housing surface adapter (n/a with DV)					
	18L50K 18 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					
2TB Two Bars – Top & Bottom								
2TBP Two Horizontal Bars w/Perf								
3E Three Bars – Even Spaced								
4TB Four Bars – Top & Bottom								
Lens Type	Voltage							
PIA Pearlescent High Impact 100% DR Acrylic	120 120 Volts							
MPA Matte Pearlescent High Impact 100% DR Acrylic	277 277 Volts							
	DV 120-277 Volts, electronic ballasts only					▼ n/a with option(s) that require deep housing surface adapter		

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 | 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.

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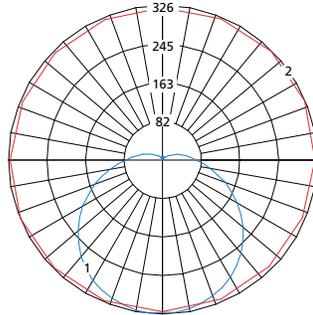
FS812 SERIES – Technical Data

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
18L35K	1477	48	31	94	80,000
18L40K	1575	51	31	94	80,000
18L50K	1638	53	31	94	80,000

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

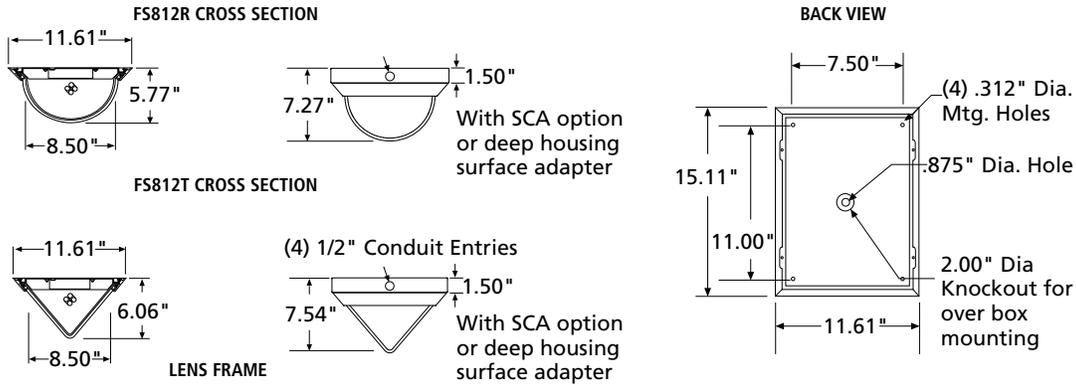
Model: FS812T-2TB-PIA-MB-18L40K-DV



Maximum Candela = 326 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



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