

# MILLENIUM FREESCALE™

## FS524 SERIES

### PRODUCT FEATURES:

- » Surface mount – wall or ceiling; 5"W×29"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



FS524R FS524T

### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**BASEPLATE:** Die-formed marine grade aluminum; welded corners. Provided with four-point mounting holes, one wireway holes. 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® 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 3000K, 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. Consult factory for fluorescent option.

**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. Peace of Mind Guarantee against breakage.

**LISTINGS:** UL and CUL listed for Wet Location. UL certified IP65 in compliance with IEC 60598. ADA Compliant.

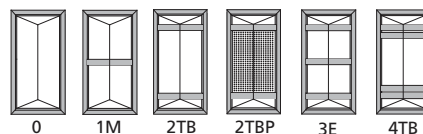


### ORDERING INFORMATION (Ex: FS524R-3E-PIA-DB-25L40K-1-120)

Model	Lens Frame	Lens Type	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
					<b>1</b>			
<b>Model</b> FS524R 5"×24" Round FS524T 5"×24" Triangle	<b>Lens Frame</b> 0 No Bars 1M One Bar - Middle 2TB Two Bars - Top & Bottom 2TBP Two Horizontal Bars w/Perf 3E Three Bars - Even Spaced 4TB Four Bars - Top & Bottom	<b>Lens Type</b> PIA Pearlescent High Impact 100% DR Acrylic MPA Matte Pearlescent High Impact 100% DR Acrylic	<b>Finish</b> 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)	<b>Lamp Type</b> 25L30K 25 Watt 3000K LED 25L35K 25 Watt 3500K LED 25L40K 25 Watt 4000K LED 25L50K 25 Watt 5000K LED	<b>Lamp Quantity</b> 1 One Lamp	<b>Voltage</b> 120 120 Volts 277 277 Volts 347▲ 347 Volts DV 120-277 Volts	<b>Options</b> FS Single Fuse & Holder (n/a with 347V) PH Phillips Head Fasteners PC‡ Photo Control with deep housing surface adapter (n/a with 347V or DV)	<b>Accessories</b> SCA▼ Surface Conduit Adapter (not ADA compliant) RSA▼ Rough Surface Adapter (not ADA compliant) 9500 Torx® Screwdriver D-0552 Torx® Driver Bit

- Vertical wall or ceiling mount only
- ▲ n/a with LED
- ▼ n/a with option(s) that require deep housing surface adapter

### 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](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2019 Kenall Mfg. Co.

# MILLENIUM FREESCALE™

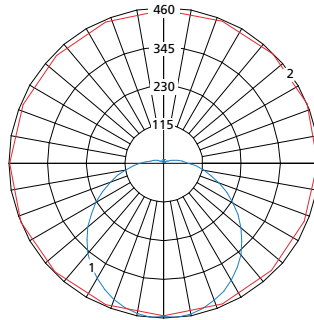
## FS524 SERIES – Technical Data

### PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
25L30K	1,830	63	29	94	80,000
25L35K	1,887	65			
25L40K	1,951	67			
25L50K	2,029	70			

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.

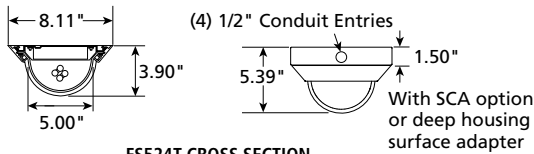
Model: FS524T-2TB-PIA-MW-25L40K-1-120



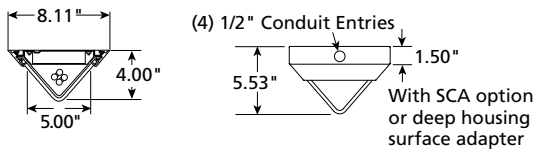
Maximum Candela = 460 Located At Horizontal Angle = 22.5, Vertical Angle = 5  
 1 - Vertical Plane Through Horizontal Angles (22.5-202.5) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

FS524R CROSS SECTION



FS524T CROSS SECTION



BACK VIEW

