

# FRESNO SERIES

### INTENDED USE:

- Fresno series bollards are designed to illuminate walkways and courtyards

### CONSTRUCTION:

- Extruded aluminum square or round housing, with tamper resistant hardware; Flat top, for round FN2. Single screw access for top relamping
- Sealed one-piece, clear acrylic lens; Specular, anodized aluminum optical systems; dual reflector, tube optics, or internal louvers (HID or CFL)
- Concealed, galvanized steel anchor base; Four 1/2" x 10" anchor bolts
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service

### ELECTRICAL:

#### HID

- HPF ballast, starting rated at -20°F (-40°F for HPS); Pulse Start Metal Halide is CWA or Super CWA type HPS is CWA, HR, or Reactor type
- Medium porcelain socket, pulse rated, with spring-loaded, nickel-plated center contact and reinforced lamp grip screw shell

### FLUORESCENT

- Programmed Start electronic ballast with end of life protection and universal voltage: 26/32/42w
- One Lamp – CFTR/GX24Q – Triple Tube 4-Pin

### LED

- Universal voltage (120-277V) drivers with +/- 10% tolerance, starting temperature rated at -20°F
- Optional continuous dimming to 10% (0-10V)
- Rotatable LED assembly adjustment for ideal placement and aiming of asymmetric light pattern
- 24 high brightness LEDs at 500 mA deliver symmetric distribution at 46w
- 12 high brightness LEDs at 700 mA deliver asymmetric distribution at 31w
- Available in three color correlated temperatures (3000K, 4000K and 5000K)
- Long life 50,000 hour L70 rated at 25°C

### LISTINGS:

- Listed to UL1598 for use in wet locations

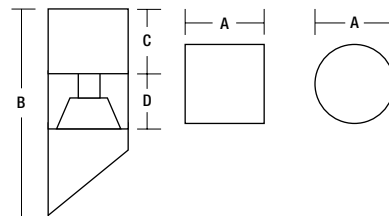
### WARRANTY

- 5 year limited warranty for LED system, visit <http://www.spauldinglighting.com/resources/warranty/>

### PRODUCT IMAGE(S)



### DIMENSIONS



	A	B	C	D	Weight
<b>FN1</b>	6.75" sq.	42.0"	6.0"	4.0"	41 lbs
	171 mm	1067 mm	152 mm	102 mm	19 kg
<b>FN2</b>	7.0" dia	42.0"	6.0"	4.0"	41 lbs
	178 mm	1067 mm	152 mm	102 mm	19 kg

### CERTIFICATIONS/LISTINGS



### ORDERING INFORMATION

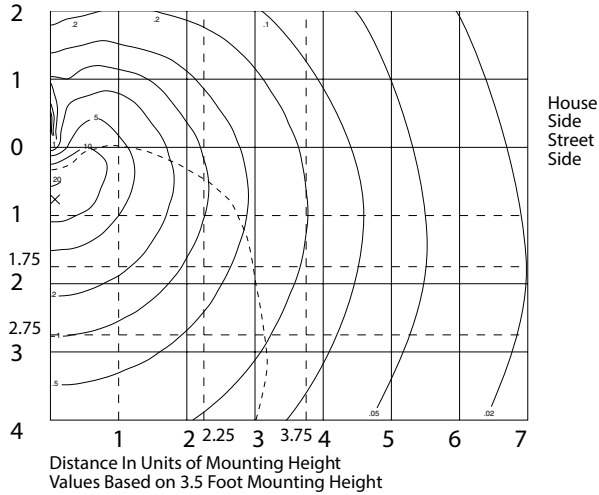
ORDERING EXAMPLES: FN1-P50-D0-Q-DB-L, FN2-24LU-3K-U-DB

SERIES	SOURCE/WATTAGE/LED	OPTICS	VOLTAGE	COLOR	OPTIONS
<b>FN1</b> Fresno Square	<b>PULSE START METAL HALIDE</b>	<b>DO</b> <sup>7</sup> Dual reflector with cone (standard)	<b>Q</b> <sup>1</sup> Quad-Tap® 120/208/240/277V	<b>DB</b> Dark Bronze	<b>F(X)</b> Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V
<b>FN2</b> Fresno Round	<b>P50</b> 50w (ED-17) <b>P70</b> 70w (ED-17) <b>P10</b> 100w (ED-17)	<b>TO</b> <sup>3,7</sup> Tube optics	<b>T</b> <sup>1,4</sup> Tri-Tap® 120/277/347V (CSA)	<b>BL</b> Black <b>WH</b> White	<b>F5</b> <sup>6,7</sup> Fusing 480V <b>F6</b> <sup>6,7</sup> Fusing 347V
	<b>HIGH PRESSURE SODIUM</b>	<b>IL</b> <sup>7</sup> Internal horizontal louvers	<b>U</b> <sup>5</sup> Universal 120 - 277V, 50/60 Hz	<b>GR</b> Gray <b>PS</b> Platinum Silver	<b>P(X)</b> Photo button (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V
	<b>S35</b> <sup>2</sup> 35w (ED-17) <b>S50</b> 50w (ED-17) <b>S70</b> 70w (ED-17) <b>S10</b> 100w (ED-17)		<b>1</b> 120V <b>5</b> <sup>6,7</sup> 480V	<b>RD</b> Red (premium color) <b>FG</b> Forest Green (premium color) <b>CC</b> Custom Color (consult factory)	<b>P6</b> <sup>6,7</sup> Photo button - 347V <b>24</b> 24" luminaire height <b>30</b> 30" luminaire height <b>36</b> 36" luminaire height
	<b>FLUORESCENT</b>				<b>HS90</b> <sup>7</sup> Internal shield - 90° (FN1 Only) <b>HS160</b> <sup>7</sup> Internal shield - 160° <b>HS180</b> <sup>7</sup> Internal shield - 180° (FN2 only)
	<b>12LU-3K</b> 12 LEDs, 31w, asymmetric distribution, 3000K, 120-277V, 50/60 Hz	<b>12LU-4K</b> 12LEDs, 31W, asymmetric, 4000K, 120-277V, 50/60 Hz			<b>L</b> <sup>7</sup> Lamp <b>CD</b> <sup>8</sup> Continuous dimming
	<b>12LU-5K</b> 12 LEDs, 31w, asymmetric distribution, 5000K, 120-277V, 50/60 Hz	<b>24LU-4K</b> 24LEDs, 46W, symmetric distribution, 4000K, 120-277V, 50/60 Hz			
	<b>24LU-3K</b> 24 LEDs, 46w, symmetric distribution, 3000K, 120-277V, 50/60 Hz				
	<b>24LU-5K</b> 24 LEDs, 46w, symmetric distribution, 5000K, 120-277V, 50/60 Hz				

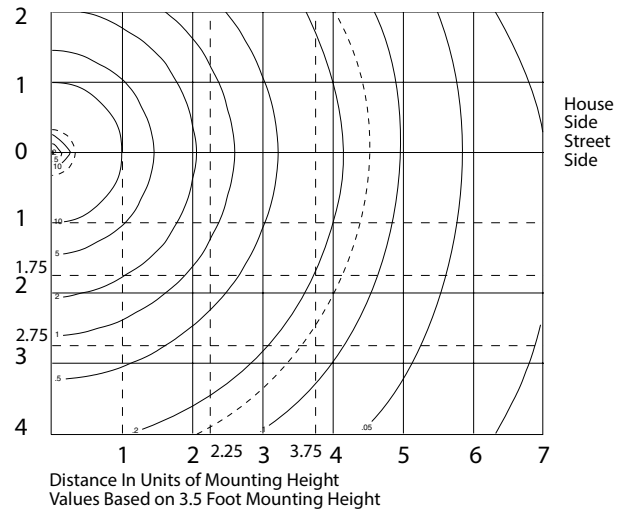
1 Factory wired for highest voltage unless specified, HID only  
 2 120V only  
 3 Upper reflector with no lower cone  
 4 70 or 100w system only  
 5 CFL or LED only  
 6 Not available with CFL  
 7 Not available with LED units  
 8 LED only

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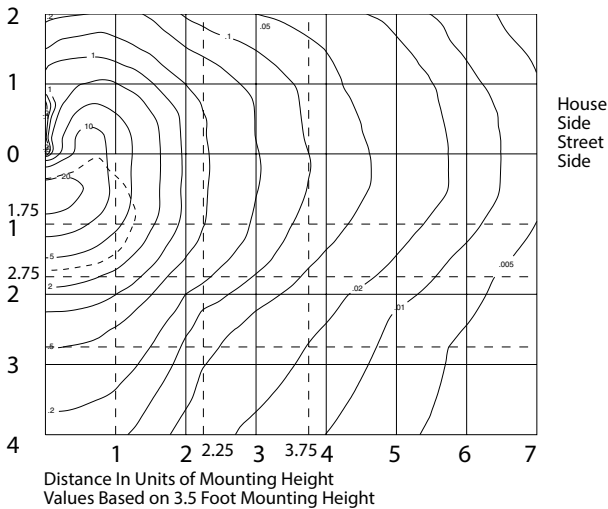
**FN2-12LU-3K: 12 LEDS**  
**ASYMMETRIC DISTRIBUTION, 3500K**



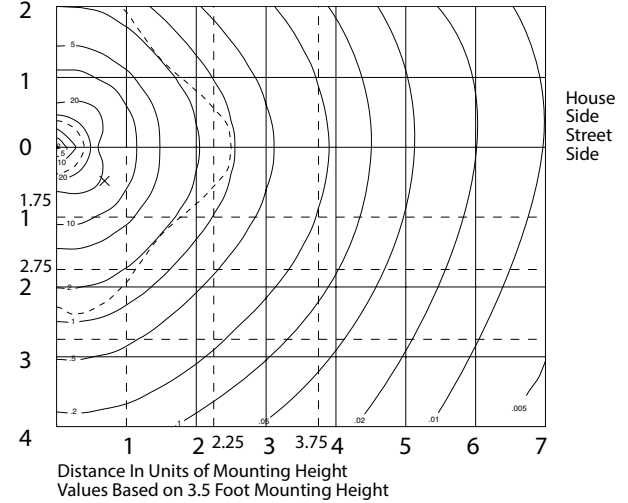
**FN2-24LU-3K: 24 LEDS**  
**SYMMETRIC DISTRIBUTION, 3500K**



**FN1-12LU-5K: 12 LEDS**  
**ASYMMETRIC DISTRIBUTION, 5000K**



**FN1-24LU-5K: 24 LEDS**  
**SYMMETRIC DISTRIBUTION, 5000K**



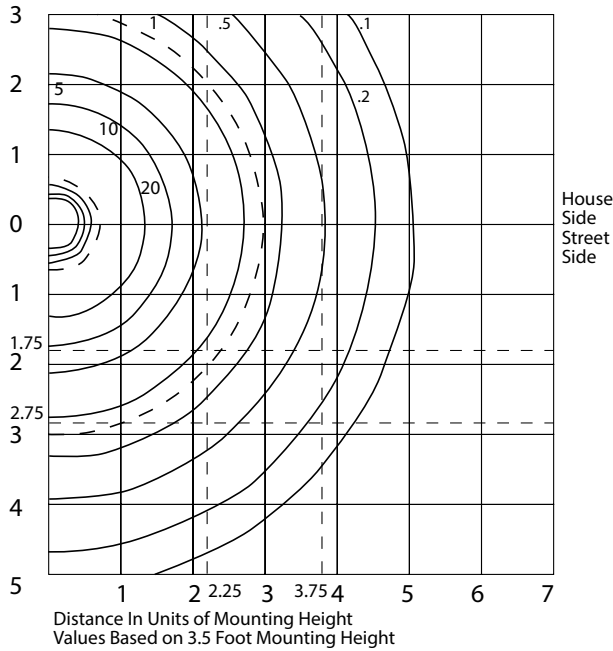
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## TECHNICAL DATA

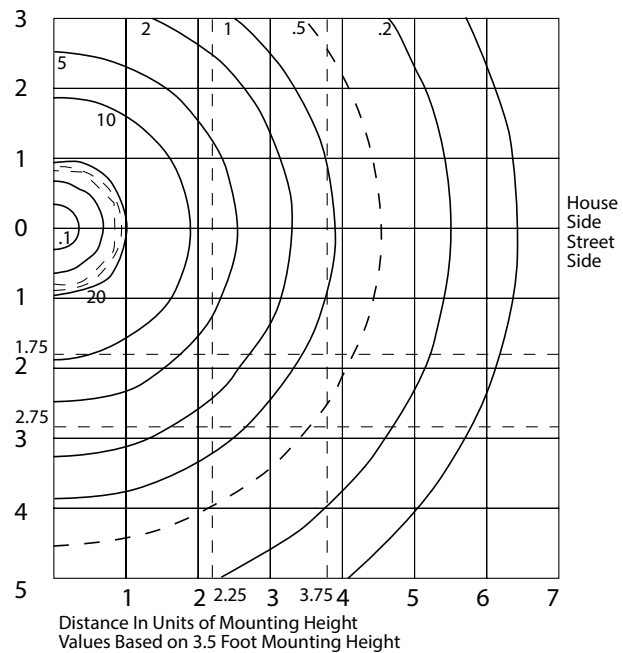
FRESNO BOLLARD ELECTRICAL DATA		Input Current (amps)					
Lamp/Watts	Input Wattage	120V	208V	240V	277V	347V	480V
P50	69	1.20	0.68	0.59	0.51	NA	NA
P70	94	1.90	1.00	0.90	0.80	0.70	NA
P10	129	2.30	1.40	1.20	1.00	1.00	0.60
S35	46	1.40	NA	NA	NA	NA	NA
S50	62	1.00	0.57	0.50	0.45	NA	NA
S70	86	1.40	0.90	0.80	0.70	0.60	NA
S10	115	2.20	1.30	1.10	0.90	0.70	0.60
F42	46	.38	.22	.13	.11	NA	NA

## PHOTOMETRIC DATA

100w PSMH with tube optics



100w PSMH with dual reflector optics



100w PSMH with louvered optics

