



Cat. #		Approvals
Job	Type	

### 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

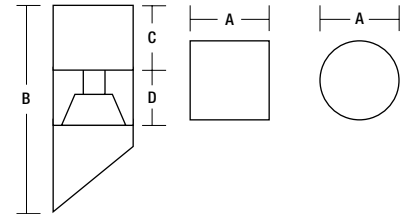
- Programmed Start electronic ballast with end of life protection and universal voltage: 26/32/42w
- One Lamp – CFTR/GX24Q – Triple Tube 4-Pin LED
- Universal voltage (120-277V) drivers with +/- 10% tolerance, starting temperature rated at -20°F
- Optional continuous dimming to 10% (0-10V)
- Rotatable LED assembly adjustment for ideal placement and aiming of asymmetric light pattern
- 24 high brightness LEDs at 500 mA deliver symmetric distribution at 62w
- 12 high brightness LEDs at 500 mA deliver asymmetric distribution at 31w
- Available in two color correlated temperatures (3500K and 5100K)
- 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/>



	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



## ORDERING INFORMATION

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

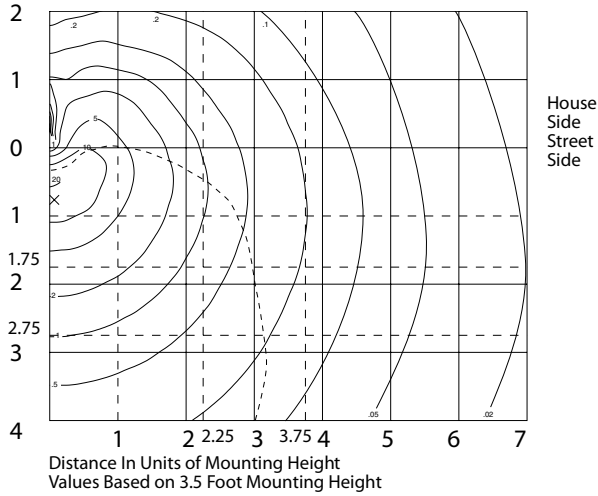
SERIES	SOURCE/WATTAGE/LED	OPTICS	VOLTAGE	COLOR	OPTIONS
<b>FN1</b> Fresno Square	<b>PULSE START METAL HALIDE</b>	<b>DO<sup>8</sup></b> Dual reflector with cone (standard)	<b>Q<sup>1</sup></b> Quad-Tap® 120/208/240/277V	<b>DB</b> Dark Bronze	<b>F(X)</b> Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V)
<b>FN2</b> Fresno Round	<b>P50</b> 50w (ED-17)	<b>TO<sup>3,8</sup></b> Tube optics	<b>T<sup>1,4</sup></b> Tri-Tap® 120/277/347V (CSA)	<b>BL</b> Black	<b>F5<sup>6,8</sup></b> Fusing 480V
	<b>P70</b> 70w (ED-17)	<b>IL<sup>7,8</sup></b> Internal horizontal louvers	<b>U<sup>5</sup></b> Universal 120 - 277V, 50/60 Hz	<b>WH</b> White	<b>F6<sup>6,8</sup></b> Fusing 347V
	<b>P10</b> 100w (ED-17)		<b>1</b> 120V	<b>GR</b> Gray	<b>P(X)</b> Photo button (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V)
	<b>HIGH PRESSURE SODIUM</b>		<b>5<sup>6,8</sup></b> 480V	<b>PS</b> Platinum Silver	<b>P6<sup>6,8</sup></b> Photo button - 347V
	<b>S35<sup>2</sup></b> 35w (ED-17)			<b>RD</b> Red (premium color)	<b>DM<sup>8</sup></b> Dome top (round only)
	<b>S50</b> 50w (ED-17)			<b>FG</b> Forest Green (premium color)	<b>24</b> 24" luminaire height
	<b>S70</b> 70w (ED-17)			<b>CC</b> Custom Color (consult factory)	<b>30</b> 30" luminaire height
	<b>S10</b> 100w (ED-17)				<b>36</b> 36" luminaire height
	<b>FLUORESCENT</b>				<b>HS90<sup>8</sup></b> Internal shield - 90° (FN1 Only)
	<b>F26</b> 26w CFL (G24q Base)				<b>HS160<sup>8</sup></b> Internal shield - 160°
	<b>F32</b> 32w CFL (G24q Base)				<b>HS180<sup>8</sup></b> Internal shield - 180° (FN2 only)
	<b>F42</b> 42w CFL (G24q Base)				<b>L<sup>8</sup></b> Lamp
	<b>LED</b>				<b>CD<sup>9</sup></b> Continuous dimming
	<b>12LU-3K</b> 12 LEDs, 31w, asymmetric distribution, 3500K, 120-277V, 50/60 Hz				
	<b>12LU-5K</b> 12 LEDs, 31w, asymmetric distribution, 5000K, 120-277V, 50/60 Hz				
	<b>24LU-3K</b> 24 LEDs, 62w, symmetric distribution, 3500K, 120-277V, 50/60 Hz				
	<b>24LU-5K</b> 24 LEDs, 62w, symmetric distribution, 5000K, 120-277V, 50/60 Hz				

- Factory wired for highest voltage unless specified, HID only
- 120V only
- Upper reflector with no lower cone
- 70 or 100w system only
- CFL or LED only
- Not available with CFL
- Not available with WH option
- Not required with LED units

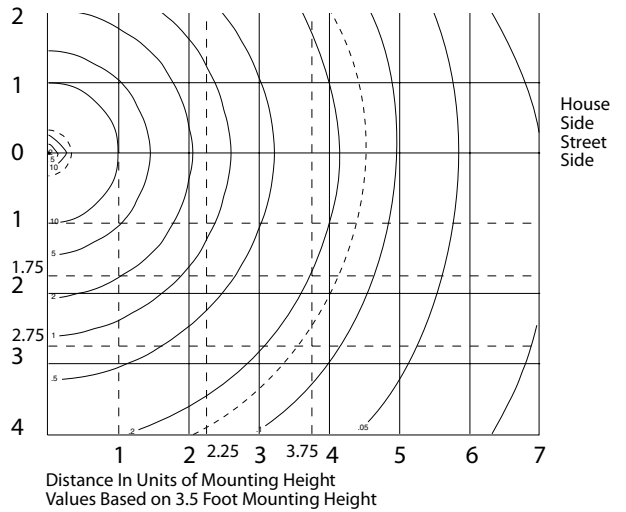
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**PHOTOMETRIC DATA**

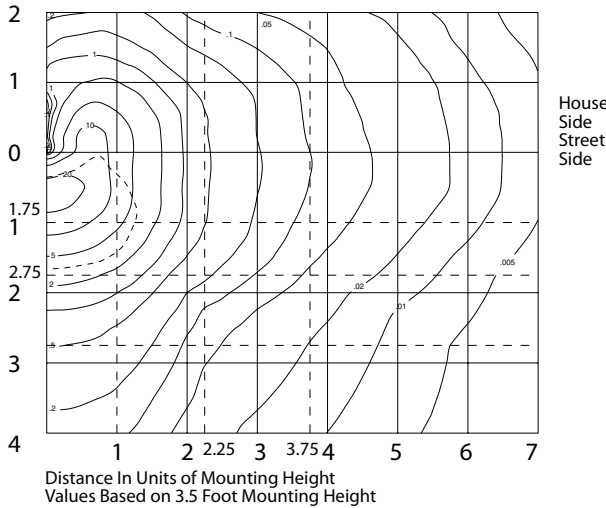
**FN2-12LU-3K: 12 LEDS  
ASYMMETRIC DISTRIBUTION, 3000K**



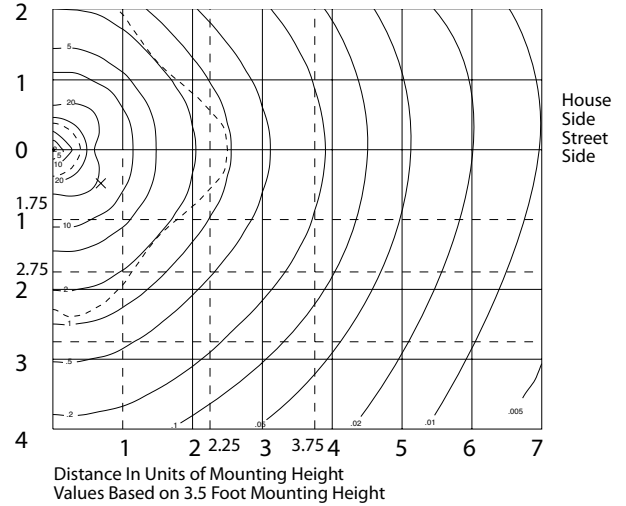
**FN2-12LU-3K: 24 LEDS  
SYMMETRIC DISTRIBUTION, 3000K**



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



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



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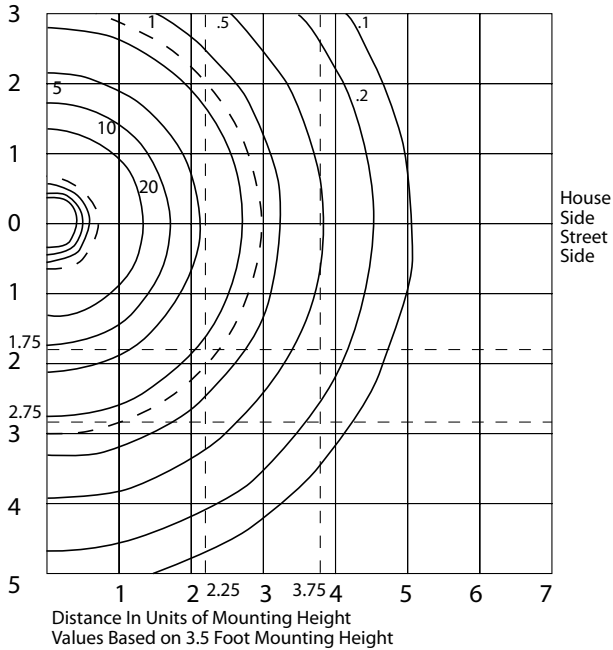
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For more information visit our web site: [www.spauldinglighting.com](http://www.spauldinglighting.com)

# TECHNICAL DATA

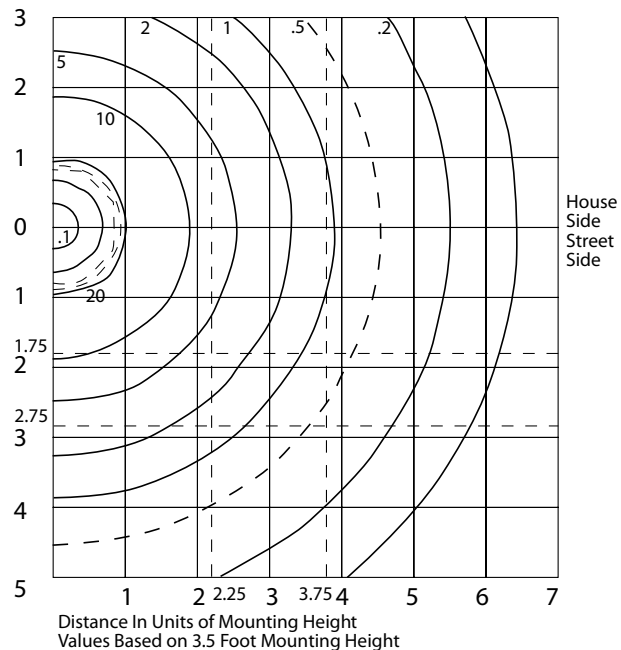
FRESNO BOLLARD ELECTRICAL DATA		Input Current (amps)					
Lamp/Watts	Input Wattage	120V	208V	240V	277V	347V	480V
P50	69	1.20	0.68	0.59	0.51	NA	NA
P70	94	1.90	1.00	0.90	0.80	0.70	NA
P10	129	2.30	1.40	1.20	1.00	1.00	0.60
S35	46	1.40	NA	NA	NA	NA	NA
S50	62	1.00	0.57	0.50	0.45	NA	NA
S70	86	1.40	0.90	0.80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

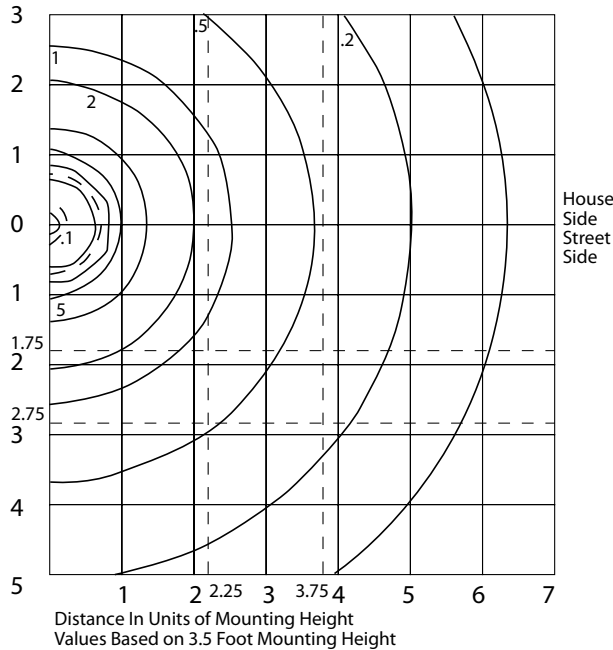
**100w PSMH with tube optics**



**100w PSMH with dual reflector optics**



**100w PSMH with louvered optics**



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