

# FRESNO Series

BOLLARDS

## FEATURES

- Two size options available
- Sealed one-piece, clear acrylic lens
- Specular, anodized aluminum optical systems
- 30w and 46w energy-efficient LED systems
- Extruded aluminum square or round housing, with tamper resistant hardware
- Flat top, or optional dome top for round FN2



## SPECIFICATIONS

### HOUSING

- Extruded aluminum 6061 alloy square or round housing, with tamper resistant hardware; flat top, for round FN2
- Single screw access for service and maintenance
- Sealed one-piece, clear acrylic lens; Specular, anodized aluminum optical systems
- Concealed, cast aluminum 360 alloy 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

### OPTICS

- Available in 5000K, 4000K, 3000K CCT and Monochromatic Amber
- Long Life >60,000 hour L90 rated at 25°C
- Optional continuous dimming to 10%
- Rotatable LED assembly adjustment for ideal placement and aiming of asymmetric light pattern

### ELECTRICAL

- Universal voltage (120-277, 50/60Hz) drivers with +/- 10% tolerance, starting temperature rated at -20°F

### CERTIFICATIONS

- Listed to UL1598 for use in wet locations

### WARRANTY

- 5 year limited warranty

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## ORDERING GUIDE

Example: FN1-12LU-3K-BLT-CD

CATALOG # \_\_\_\_\_

### ORDERING INFORMATION

Housing	LED	Voltage	CCT	Finish	Options <sup>1</sup>
<b>FN1</b> Fresno Square	<b>12L</b> asymmetric, 27W	<b>U</b> 120V-277V	<b>3K</b> 3000K	<b>BLT</b> Black Matte Textured	<b>CD</b> 0-10V dimmable
<b>FN2</b> Fresno Round	<b>24L</b> symmetric, 41W <sup>4</sup>	<b>1</b> 120	<b>4K</b> 4000K	<b>BLS</b> Black Gloss Smooth	<b>24</b> 24" OAH <sup>2</sup>
		<b>2</b> 277	<b>5K</b> 5000K	<b>DBT</b> Dark Bronze Matte Textured	<b>30</b> 30" OAH <sup>2</sup>
		<b>3</b> 240	<b>AM</b> Amber 590nm <sup>4</sup>	<b>DBS</b> Dark Bronze Gloss Smooth	<b>36</b> 36" OAH <sup>2</sup>
		<b>4</b> 277		<b>GTT</b> Graphite Matte Textured	<b>DM</b> Dome Top (FN2 only)
		<b>5</b> 480		<b>LGS</b> Light Grey Gloss Smooth	<b>F(X)</b> Fusing <sup>3</sup>
		<b>F</b> 347		<b>PSS</b> Platinum Silver Smooth	<b>P(X)</b> Button Photocell <sup>3</sup>
				<b>WHT</b> White Matte Textured	<b>ABS</b> Bolts shipped ahead
				<b>WHS</b> White Gloss Smooth	
				<b>VGT</b> Verde Green Textured	
				<b>Color Option</b>	
				<b>CC</b> Custom Color	

Notes:

- Any or all options may be used together
- Standard fixture height is 42", only one overall height (OAH) may be selected
- Replace '(X)' with corresponding voltage (1=120, 2=208, 3=240, 4=277, 5=480, 6=347). Button Photocell not available in 480V
- 24L only, 20W

### PERFORMANCE DATA

Description	Drive Current	Distribution	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
FN1	12	Type III	761	28	0	2	0	654	24	0	2	0	635	24	0	2	0
	24	Type V	1580	39	1	2	0	1443	35	1	2	1	1399	34	1	2	0
FN2	12	Type III	1095	41	0	2	0	941	35	0	2	0	914	34	0	2	0
	24	Type V	1955	48	1	2	0	1787	44	1	2	1	1725	42	1	2	0

Description	AM (560nm Mono Amber)				
	Lumens	LPW	B	U	G
FN1	761	28	0	2	0
	1580	39	1	2	0
FN2	1095	41	0	2	0
	1955	48	1	2	0

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## ELECTRICAL DATA

Catalog number	LEDS	Drive Current (mA)	System Power (W)	Input Voltage (V)	Input Current (A)
3K 4K 5K	12	700	27	120	0.2
	12	700	27	208	0.1
	12	700	27	240	0.1
	12	700	27	277	0.1
	12	700	27	347	0.1
	12	700	27	480	0.1
	24	520	41	120	0.3
	24	520	41	208	0.2
	24	520	41	240	0.2
	24	520	41	277	0.1
	24	520	41	347	0.1
	24	520	41	480	0.1
AM	24	260	20	120	0.2
	24	260	20	208	0.1
	24	260	20	240	0.1
	24	260	20	277	0.1
	24	260	20	347	0.1
	24	260	20	480	0.04

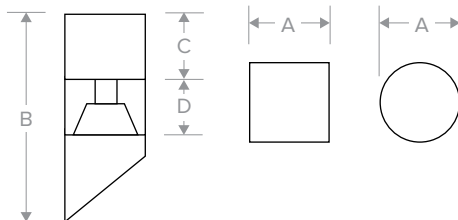
## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature	Lumen Multiplier
25°C / 77°F	>60 Khrs

Projected per IESNA TM-21-11

Ambient Temperature		Lumen Multiplier
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	0.98
40° C	104° F	0.98

## DIMENSIONS



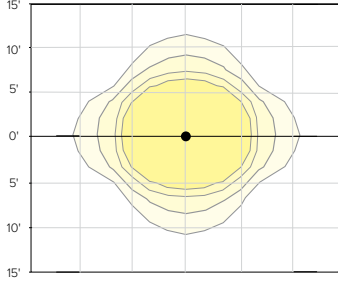
	A	B	C	D	Weight
<b>FN1</b>	6.75" sq.	42.0"	6.0"	4.0"	41 lbs
	171 mm	1067 mm	152 mm	102 mm	19 kg
<b>FN2</b>	7.0" dia	42.0"	6.0"	4.0"	41 lbs
	178 mm	1067 mm	152 mm	102 mm	19 kg

# FRESNO Series

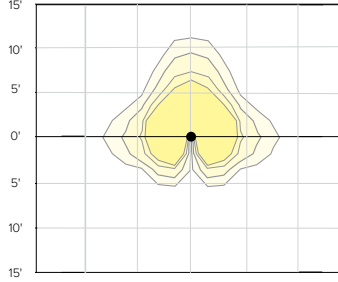
BOLLARDS

## PHOTOMETRY

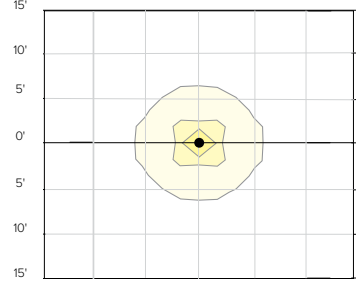
FN1-24LU-5K-XX



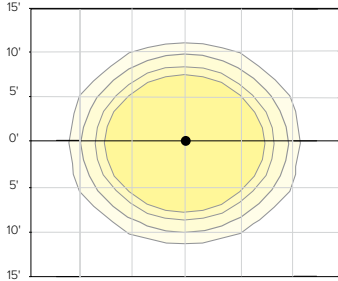
FN1-12LU-5K-XX



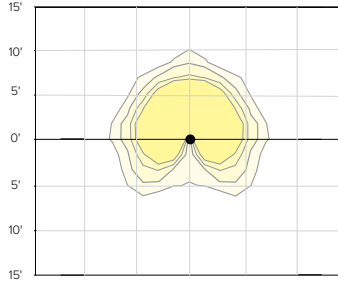
FN1-24LU-AM-XX



FN2-24LU-5K-XX



FN2-12LU-5K-XX



FN2-24LU-5K-XX

