



Manufactured in the USA - IBEW



## XICATO

### Construction

- Steel & aluminum housing with black, white or silver finish
- Accepts up to 3 accessories
- Weight: 3.9 lbs.

### Electrical

- Integral electronic driver
- 100-277V, 50/60Hz
- Meets FCC 47 CFR Part 15/18 Requirements

### Optics

- 20°, 40°, and 60° Field-changable reflectors
- CBCP:
  - 7250 @ 20°
  - 3775 @ 40°
  - 2125 @ 60°

### Dimming

- Trailing edge (ELV): 120-277V
- Leading edge (Triac): 120-277V
- 0-10V: 120-277V with surface mounting. For track applications, use E-series 2-circuit with data bus
- IP (Integral dimmer): 120-277V
- Lutron: Consult factory for details

# 46-20 21W

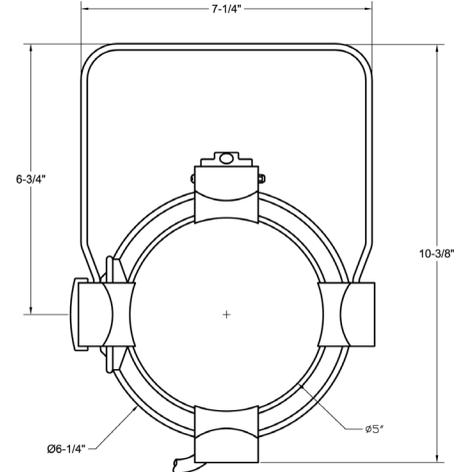
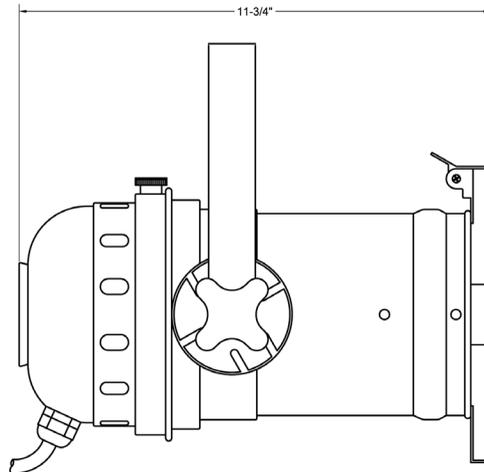
2000 Lumen LED



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The 46 Series is designed around the Xicato™ LED remote phosphor module. This module produces an even field of illumination for the most demanding applications. The 46 Series is ideal for museum and retail lighting where a low wattage, high output LED fixture would be required. Xicato™ LEDs exceed ANSI specifications by maintaining tight color consistency over the life of the LED module.

The 46 Series is available in standard black, white, or silver finishes. Custom colors are available upon request.



### LED

- Xicato™ cold remote phosphor LED module
- Color temp options: 2700K, 3000K, 3500K, 4000K
- CRI: 83 standard or 98 optional (R9=96)
- Lumen maintenance: 86% of initial lumen output at 50,000 hours on LM-80 testing
- SDCM: 1 x 2 MacAdam Elipse. 50 kelvin tolerance
- No UV or IR

Module	Total Wattage	Delivered Lumen	Efficacy (Lm/W)	CRI
83	21	1900	102	83
98	29	1900	76	98

\* Total wattage equals LED plus driver. Delivered lumen may vary depending on LED module, color temperature, optics, and accessories.

### Ordering Matrix

Model	LED Module	Color Temp	Finish	Voltage	Optics	Mounting	Dimming*	Accessories
46-20	83 98	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K	B = Black W = White S = Silver CC = Custom Color	100 120 240 277	20 = 20° 40 = 40° 60 = 60°	See Mounting Options	TE = Trailing Edge LE = Leading Edge 010 = 0-10V IP = Integral Pot ND = Non-Dimming	See Accessory Options

Maximum ambient temperature: 35°C  
Maximum operating angle: 45° from vertical

\* See "Notes on Dimming" on reverse

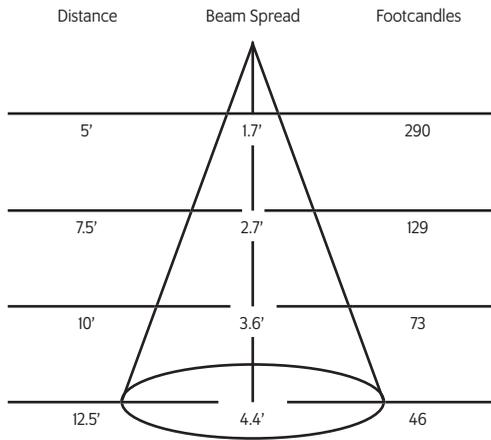
Example: 46-20-83-27-B-120-20-T1-LV44

46-20-\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

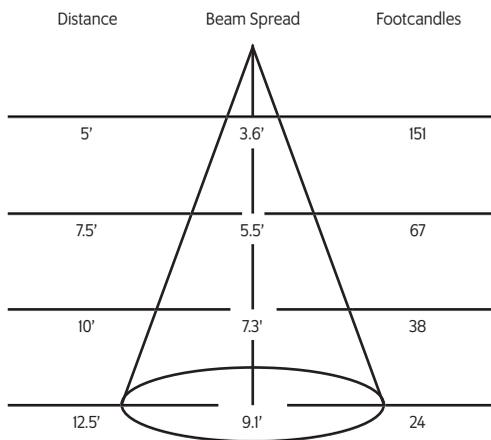
\* Specification sheets are subject to change without notice.

## Photometric Data 3000° K 83CRI

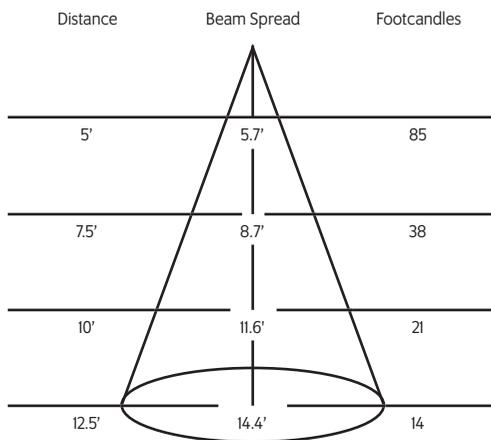
### 20° Spot Reflector



### 40° Medium Flood Reflector



### 60° Flood Reflector



## Mounting Options

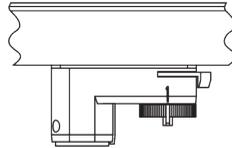
**T1** Track Adapter for commercial grade 1 & 2 circuit track. 120V. For use with larger, heavier fixtures.

**TA1 / TE2 (2 ckt)** Track adapter for E-Series specification grade track. 1 or 2 circuit. 120V.

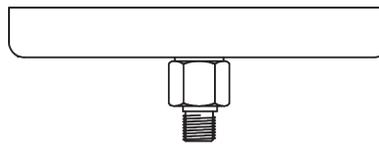
**TA2 / HTA2 (277V)** Track adapter for G-Series specification grade 2-circuit track. 120V or 277V.

**ST2** 2 circuit track adapter for Data Bus. Specification grade track. 120V.

**TA3** Track adapter for G-Series specification grade 3-circuit track. 120V.



**CM4** Canopy Mount



**US1** 6<sup>5</sup>/<sub>8</sub>" x 1<sup>1</sup>/<sub>2</sub>" Unitnut Adapter



**TB8** 8" x 8" Portable table base for floor and table use



**MN** Medium duty pipe clamp for small to large fixtures. For pipes up to 2" O.D.

**PC9M** Heavy duty pipe clamp for large, heavy fixtures. For pipes up to 2" O.D.



## Accessories

<b>LV44</b>	Louwer
<b>BD44</b>	Barndoor
<b>CF44</b>	Color Frame
<b>GF44</b>	Glass Color Filter
<b>DF44</b>	Dichroic Color Filter
<b>GF44-600</b>	5°x50° Linear Lens
<b>GF44-601</b>	Beam Softener
<b>GF44-673</b>	50°x50° Spread Lens
<b>GF44-702</b>	UV Blocking Filter
<b>CC18</b>	Coiled Cord
<b>SC</b>	Safety Cable
<b>WL</b>	Wrench Locking

## Extension Wands

<b>SP 12</b>	12" Stem
<b>SP 18</b>	18" Stem
<b>SP 24</b>	24" Stem
<b>SP X</b>	Custom Length

#### Notes on Dimming:

- TE** This means the fixture will work on *MOST* quality Trailing Edge dimmers. These dimmer types are also known as Reverse Phase or Electronic Low Voltage (ELV), and are available as wall mount and rack mount modules.
- LE** This means the fixture will work on *MOST* quality Leading Edge dimmers. These dimmer types are also known as Forward Phase, Incandescent, Halogen or Triac, and are available as wall mount and rack mount modules.
- 0-10** This means the fixture will work on *MOST* quality 0-10V or 1-10V dimmers. These dimmer types are also known as Fluorescent, and are available as wall mount and rack mount modules.
- IP** This means the fixture has a dimmer *BUILT IN* to the fixture itself, and will dim to about 50%. It has an integral potentiometer located on the bottom of the driver housing. This fixture *WILL NOT* function with *EXTERNAL* wall or rack dimmers.

It is impractical to test every fixture type with every dimmer type, and some combinations work better than others, while some not at all. It is advisable to pretest a particular fixture with an intended dimmer beforehand to insure that the combination will work as expected. Some dimmers will allow for full-range dimming, while others will only dim to 50%. Some dimmers will work well within a certain range, and perhaps flicker or shut off at the lowest settings, rendering that portion of the range unusable. Most if not all dimmers have a maximum LED load that can be applied, often as little as 10% of its nominally rated value. Dimming LEDs can actually extend their life expectancy, and will not affect the color temperature or CRI.