



# KELSEY-KANE LIGHTING MANUFACTURING COMPANY

"Serving Lighting Professionals Since 1978"

## COB Technology

# FL20L

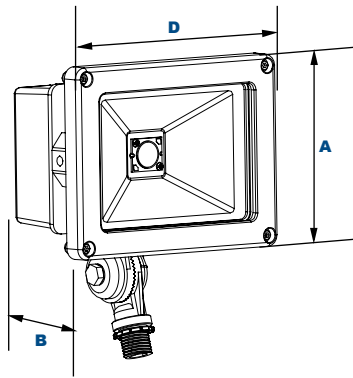
L70  
25°C

128,000 Hours

## LED Small Flood Light



**12V**  
AVAILABLE



### Dimensions

<b>Width (D)</b>	6 1/4" (172mm)
<b>Length (B)</b>	4 3/8" (113mm)
<b>Height (A)</b>	5 1/4" (133mm)

### Order Information Example:

FL20L1X18U5KZKP22

FL20	1X18				K	
Model	Wattage	Driver	CCT	Color	Mounting	Options
FL20L=Small LED Flood	1X18=18w	U=120-277V V=12V	4K=4000K 5K=5000K	Z=Bronze C=Custom (Consult Factory)	K=1/2" NPS Knuckle	P10=Pencil Photocell, 120VAC* P12=Pencil Photocell, 208-277VAC* P20=Swivel Photocell, 120VAC* P22=Swivel Photocell, 208-277VAC* *Not Available on 12V Model.

FL20 flood light luminaire is available with a knuckle mounting feature and is designed to replace HID lighting systems up to 70w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting can be accomplished using ground attachment accessories and up to heights of 12 feet based on light level and uniformity requirements.

### Specifications and Features:

#### Housing:

Die Cast Aluminum Housing and Front Frame with Separate Ballast Compartment. Integral Heat-Dissipating Fins for Thermal Management. 1/2" Threaded Aperture with Liquid-Tight Connector.

#### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750  
IP65 Sealed LED Compartment.

#### Finish:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Clear Flat Glass Lens.

#### Mounting Options:

Adjustable Knuckle with 1/2" NPS Threads.

#### COB LED:

LED COB

#### Wattage:

LED: 1 x 18w; System: 21w  
(70w HID Equivalent)

#### Driver:

Electronic Driver, 120-277V, 50/60Hz  
12V: Electronic Driver, 12-17V, 50/60Hz, Non-Dimmable

#### Warranty:

5-Year Warranty for -30°C to +50°C Environment.

LM-79 Report Available on Select Models.

See Page 2 for Projected Lumen Maintenance Table.

### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

### Certification & Listings:



DesignLights Consortium™  
Qualified Luminaires:  
FL20L1X18U5K



Specifications subject to change without notice. Rev. 121317



**Accessories & Replacement Parts:**



Mounting Accessories (Order separately, Field installed)	
FLPTFZ	Die-cast Post Top Fitter for 2 1/2" to 3 1/2" Poles, Bronze Powdercoat Finish, Three (3) 1/2" Coin Plugs.
FLSTK	Heavy Duty Ground Stake, Built-in Wiring Compartment with 1/2" NPS Threaded Fitting, Black Plastic.



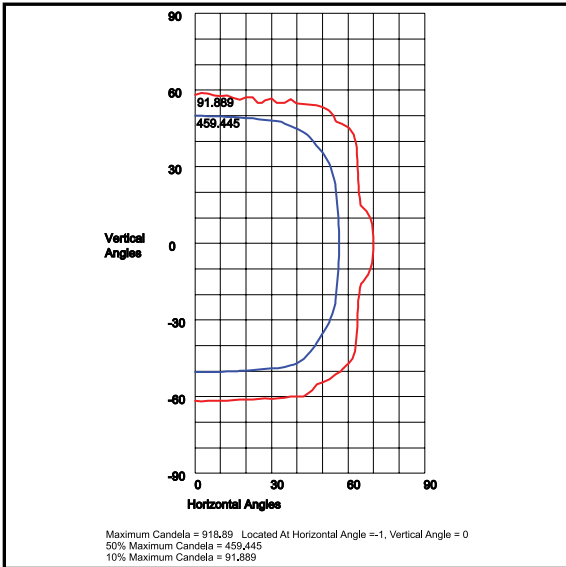
Accessories (Order separately, Field installed)	
FL20GTFZ	Die Cast Top Frame with Aluminum Glare Shield, Bronze Powdercoat Finish.

Replacement Parts (Order separately, Field installed)	
P18110*	110-130V, 120VAC Pencil Photocell
P18112*	208-277V, 240VAC Pencil Photocell
P18120*	110-130V, 120VAC Swivel Photocell
P18122*	208-277V, 240VAC Swivel Photocell

\*Not Available on 12V Model.

\*Shown mounted.

**Photometric Data**



**FL20L1X18U5K**  
 115"H x 100"V, NEMA 7H x 6V

**Photometric Performance**

LED Board Watts	Drive Current (mA)	Input Watts	Beam	5000 CCT 80 CRI	
				Lumens	LPW
COB LED 18w	525	21	115"H x 100"V, NEMA 7H x 6V	2,324	111

**Projected Lumen Maintenance**

Data shown for 5000 CCT	Compare to MH						
	TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	21	1.00	0.94	0.88	0.77		128,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	21	1.00	0.92	0.83	0.66		89,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	21	1.00	0.93	0.86	0.72		71,000

**NOTES:**  
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.  
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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