

PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

## FDC Flood Light Contractor



Images are shown for illustration purpose only.

The **Flood Light Contractor Series** luminaire is a high performance lighting solution that comes in Small, Medium, Large, and X-Large. This versatile fixture has a slim rugged aluminum housing, watertight compartment for driver, and efficient heat sink. A variety of mounting options are available including Knuckle, Trunnion, and Slipfitter. This FDC series is an excellent price-competitive solution without compromising quality that is ideal for signage, roadways, security, and general lighting applications.

### APPLICATIONS

Landscape lighting, signage, internal roadways, parking lots, and general area lighting

### REPLACEMENT

Up to 450W Metal Halide



### PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS	CCT
FDSC 20 G1 5K	15W	2,000	5000K
FDSC 35 G1 5K	27W	3,600	5000K
FDCM 60 G1 5K	45W	6,000	5000K
FDCM 80 G1 5K	60W	8,000	5000K
FDCL 93 G1 5K	70W	9,300	5000K
FDCL 130 G1 5K	100W	13,300	5000K
FDCX 180 G1 5K	135W	17,800	5000K
FDCX 260 G1 5K	200W	26,000	5000K

ORDERING GUIDE			EXAMPLE: FDSC 35 G1 5K					
Luminaire Type	Size	Lumen Output*	Generation	Voltage	CCT	Finish	Mount	Options
FDC Flood Light Contractor	<b>S</b> =Small	<b>20</b> 2,000 Lumens <b>35</b> 3,600 Lumens	<b>G1</b>	<b>BLANK</b> = 120-277V	<b>4K</b> 4000K <b>5K</b> 5000K	<b>BLANK</b> = Dark Bronze <b>C</b> = <b>Custom</b> *	<b>BLANK</b> = Knuckle Mount <b>T</b> = Trunnion Mount	<b>BLANK</b> =No Option <b>PC UNV B3</b> =Button Photocell
	<b>M</b> =Medium	<b>60</b> 6,000 Lumens <b>80</b> 8,000 Lumens						
	<b>L</b> =Large	<b>93</b> 9,300 Lumens <b>130</b> 13,300 Lumens						
	<b>X</b> =X-Large	<b>180</b> 17,800 Lumens <b>260</b> 26,000 Lumens		<b>HVU</b> 347-480V			<b>T</b> = Trunnion Mount <b>S</b> = Slipfitter Mount	

\*For a custom color, please call to place your order

Due to continuous product improvements, specification and/or equipment updates may change without notice.

## SPECIFICATIONS

### HOUSING

One-piece die-cast aluminum housing with heat sink for effective conductive and convective cooling. The vented housing isolates the LED module from the driver. The LED driver is directly assembled on the casting for a low operative temperature and a long life span. The doorframe is sealed with an extruded silicone gasket to prevent moisture from accumulating.

### AMBIENT TEMPERATURE

Suitable for use in -40°C to +45°C (-40°F to 113°F).

### MOUNTING

#### Knuckle Mount

½ NPS adjustable knuckle mount in aluminum.

#### Trunnion Mount

Adjustable trunnion mount in aluminum for direct surface mounting with bolt to lock in the aiming angle.

#### Slipfitter Mount

Adjustable slipfitter mount in aluminum that fits 2-3/8" O.D. tenon. Includes set screws for securing luminaire to tenon and aiming angle markings with bolt to lock in the aiming angle.

### EFFICACY

Up to 138 lumens per watt (see individual wattage data).

### CCT AND CRI

4000K and 5000K CCT available; 70 CRI

### OPTICS

Superior lighting uniformity for vertical and horizontal 7HX6V flood distribution while reducing back light from poles.

### WARRANTY

5-year limited warranty. Comprehensive warranty terms can be located on [www.slgus.com](http://www.slgus.com).

### ELECTRICAL

High efficiency current driver above 90%.  
50 or 60Hz operation, 120-277 input. Standard PC UNV B3-Button Photocell.  
FDCS & FDCM with non-dimming  
FDCL & FDCX with 0-10V dimming option

### FINISH

Dark Bronze coat finish with superior resistance to corrosion and weather in stock. Custom colors available.

### CERTIFICATIONS

UL listed for wet locations, equal to IP65 rating. Design Lights Consortium® (DLC) Standard pending.

## MOUNTING



1/2" NPS Knuckle Mount  
Small and Medium size only



Trunnion Mount  
Small and Medium size only



Trunnion Mount  
Large and X-Large size only



Slipfitter Mount  
Large and X-Large size only

## OPTIONS

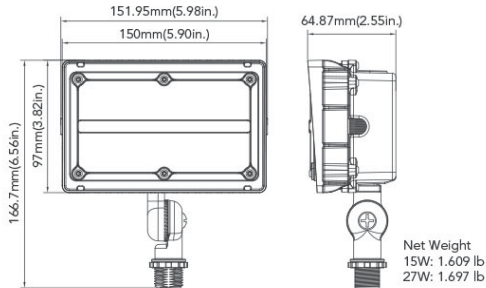


PC UNV B3

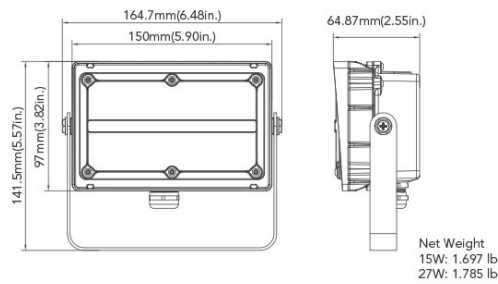
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## DIMENSIONS

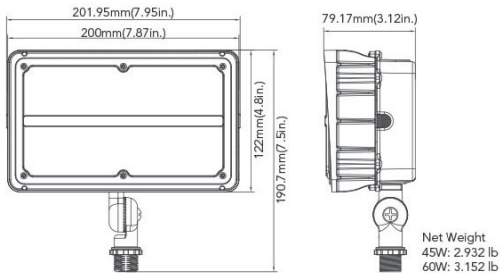
**SMALL**  
15W & 27W  
Knuckle Mount



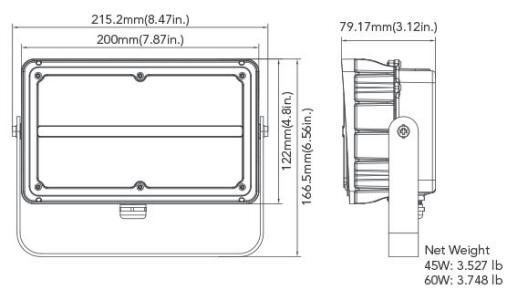
**SMALL**  
15W & 27W  
Trunnion Mount



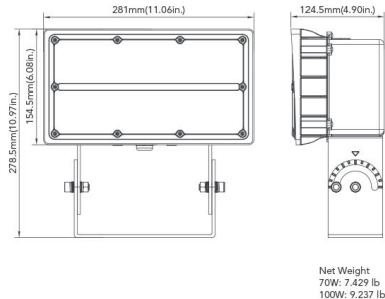
**MEDIUM**  
45W & 60W  
Knuckle Mount



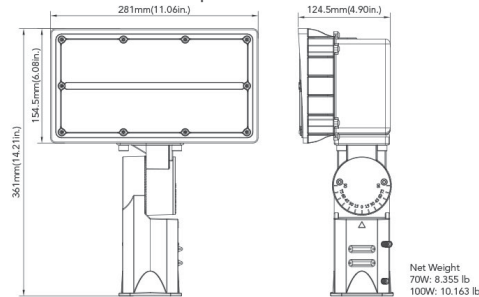
**MEDIUM**  
45W & 60W  
Trunnion Mount



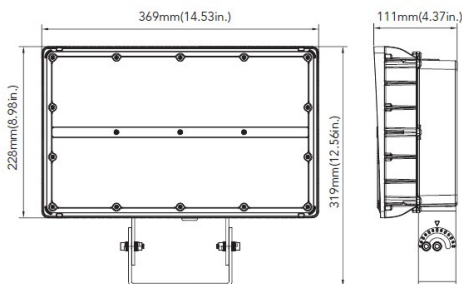
**LARGE**  
70W, 90W, 100W  
Trunnion Mount



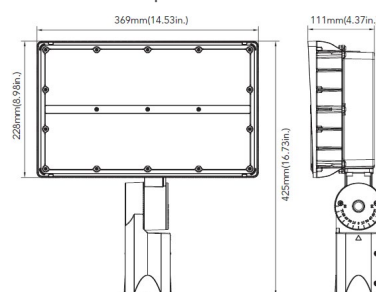
**LARGE**  
70W, 90W, 100W  
Slipfitter Mount



**X-LARGE**  
135W & 200W  
Trunnion Mount

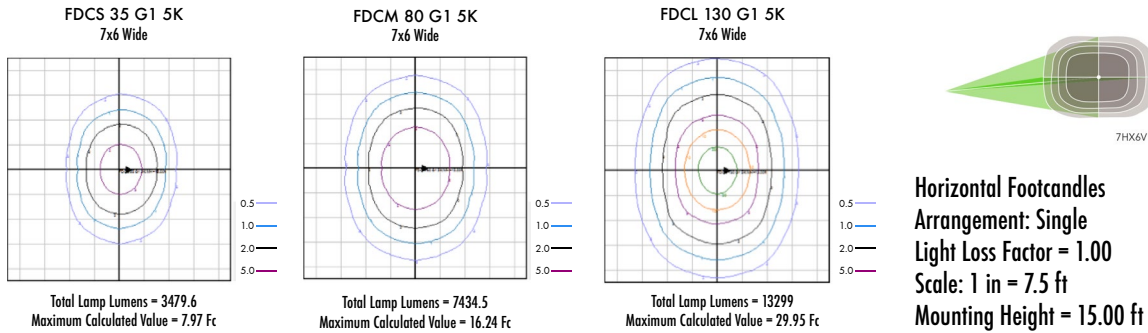


**X-LARGE**  
135W & 200W  
Slipfitter Mount



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## PHOTOMETRIC



## PERFORMANCE DATA

4K & 5K					
Distance Type	Wattage	Lumen Output	Efficacy (LPW)	CRI Min	Replacement
7HX6V	15W	2,000 Lm	133	70	70W MH
7HX6V	27W	3,600 Lm	133	70	100W MH
7HX6V	45W	5,650 Lm	126	70	150W MH
7HX6V	60W	7,450 Lm	124	70	175W MH
7HX6V	60W (480V)	7,600 Lm	127	70	175W MH
7HX6V	70W	8,900 Lm	127	70	250W MH
7HX6V	70W (480V)	9,300 Lm	133	70	250W MH
7HX6V	90W (480V)	12,400 Lm	138	70	400W MH
7HX6V	100W	13,300 Lm	133	70	400W MH
7HX6V	135W	17,800 Lm	132	70	400W MH
7HX6V	135W (480V)	17,800 Lm	132	70	400W MH
7HX6V	200W	26,000 Lm	130	70	400W MH
7HX6V	200W (480V)	26,000 Lm	130	70	400W MH

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## ELECTRICAL LOAD

	Current (A)					
Wattage	120V	208V	240V	277V	347V	480V
15W	0.13	0.07	0.06	0.05	0.04	0.03
27W	0.23	0.13	0.11	0.10	0.08	0.06
45W	0.38	0.22	0.19	0.16	0.13	0.09
60W	0.50	0.29	0.25	0.22	0.17	0.13
70W	0.58	0.34	0.29	0.25	0.20	0.15
90W	0.75	0.43	0.38	0.32	0.26	0.19
100W	0.83	0.48	0.42	0.36	0.29	0.21
135W	1.13	0.65	0.56	0.49	0.39	0.28
200W	1.67	0.96	0.83	0.72	0.58	0.42

## Lumen Ambient Temperature (LAT) Multipliers

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

## Projected LED Lumen Maintenance

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance	1	0.97	0.97	0.96

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