

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

# FDC Flood Light Contractor



Images are shown for illustration purpose only.

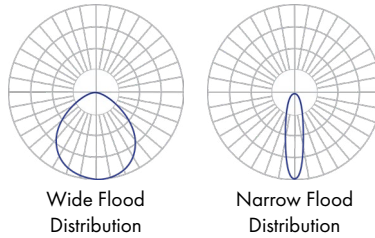
The **Flood Light Contractor Series** luminaire is a high performance lighting solution that comes in Small, Medium, Large, X-Large, and Huge. This versatile fixture has a slim rugged aluminum housing, watertight compartment for driver, and efficient heat sink. A variety of mounting options are available including Knuckle, Trunnion, Slipfitter, and Yoke. 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 1000W Metal Halide



Wide Flood Distribution

Narrow Flood Distribution



DLC 5.0

## PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS	CCT
FDCS 20 G1 5K	15W	2,000	5000K
FDCS 35 G1 5K	27W	3,600	5000K
FDCM 60 G1 5K	45W	5,650	5000K
FDCM 80 G1 5K	60W	7,450	5000K
FDCL 93 G1 5K	70W	8,900	5000K
FDCL 130 G1 5K	100W	13,300	5000K
FDCX 180 G1 5K	135W	18,000	5000K
FDCX 180 NFL G1 5K	135W	18,000	5000K
FDCX 260 G1 5K	200W	26,200	5000K
FDCX 260 NFL G1 5K	200W	26,500	5000K
FDCH 350 G1 5K*	250W	34,500	5000K
FDCH 350 NFL G1 5K*	250W	34,500	5000K
FDCH 480 G1 5K	350W	50,000	5000K
FDCH 480 NFL G1 5K	350W	49,500	5000K

\*DLC Pending

ORDERING GUIDE										EXAMPLE: FDCS 35 WFL G1 5K
Luminaire Type	Size	Lumen Output	Light Distribution	Generation	Voltage	CCT	Finish	Dimming	Mount	Options
FDC= Flood Light Contractor	S= Small	20 2,000 Lumens/15 Watt	BLANK= Wide Flood 7Hx6V  NFL= Narrow Flood 4Hx4V	G1= Generation 1	BLANK= 120-277V  BLANK= 120-277V HVU= 347-480V	4K= 4000K 5K= 5000K	BLANK= Dark Bronze C= Custom **	BLANK= Non-dimming D= Dimming	BLANK= Knuckle Mount T= Trunnion Mount	BLANK= No Option P= Button Photocell
		35 3,600 Lumens/27 Watt								
		60 5,650 Lumens/45 Watt 80 7,450 Lumens/60 Watt								
	M= Medium	93 8,900 Lumens/70 Watt 130 13,300 Lumens/100 Watt								
		X= X-Large							180 18,000 Lumens/135 Watt 260 26,200 Lumens/200 Watt	
H= Huge	350 34,500 Lumens/250 Watt 480 49,500 Lumens/350 Watt							T= Trunnion Mount S= Slipfitter Mount  Y= Yoke Mount	Only available for FDC X and FDC H EL UNV-8W= Emergency Battery Backup	

\*\*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.

#### Yoke Mount

Adjustable Yoke Mount with bolt to lock aiming angle, painted for corrosion. Direct mounting to surface.

### EFFICACY

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

### CCT AND CRI

4000K and 5000K CCT available; 70 CRI

### OPTICS

Max performance acrylic optics attached to internal heat sink for high thermal dissipation.

Superior lighting uniformity for vertical and horizontal NEMA 7HX6V and 4HX4V flood distribution while reducing back light from poles.

### ELECTRICAL

High efficiency current driver above 90%.  
50/60Hz operation with standard 120-277 input.  
Standard PC UNV B3-Button Photocell.

FDCS & FDCM is non-dimmable.

FDCL, FDCX & FDCH with 0-10V dimming option.

### FINISH

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

### WARRANTY

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

### CERTIFICATIONS

UL listed for wet locations. Design Lights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC qualified. Please visit [www.slgus.com](http://www.slgus.com) to confirm which versions are qualified.

## 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



Yoke Mount  
Huge size only

## OPTIONS

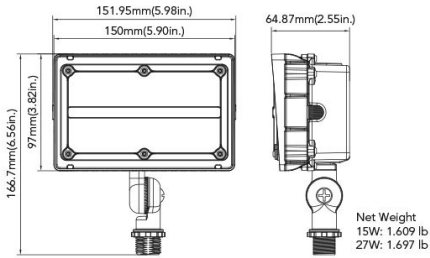


PC UNV B3

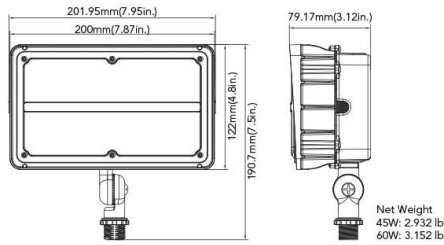
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# DIMENSIONS

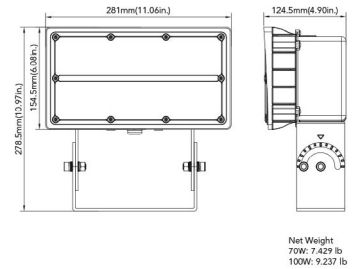
**SMALL**  
15W & 27W  
Knuckle Mount



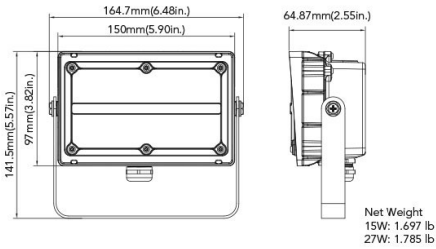
**MEDIUM**  
45W & 60W  
Knuckle Mount



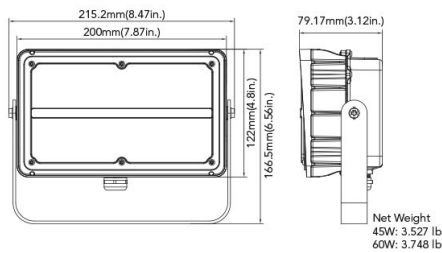
**LARGE**  
70W, 90W, 100W  
Trunnion Mount



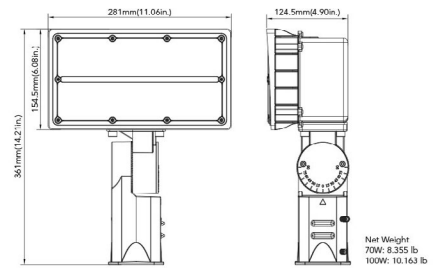
**SMALL**  
15W & 27W  
Trunnion Mount



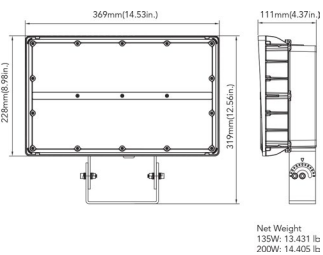
**MEDIUM**  
45W & 60W  
Trunnion Mount



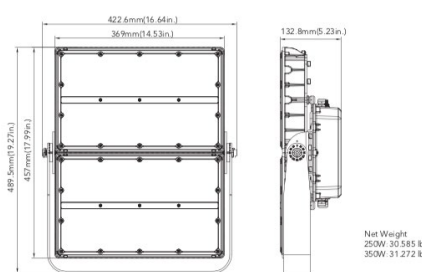
**LARGE**  
70W, 90W, 100W  
Slipfitter Mount



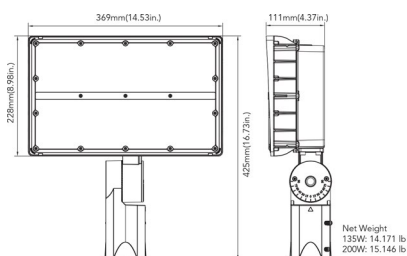
**X-LARGE**  
135W & 200W  
Trunnion Mount



**HUGE**  
250W & 350W  
Yoke Mount

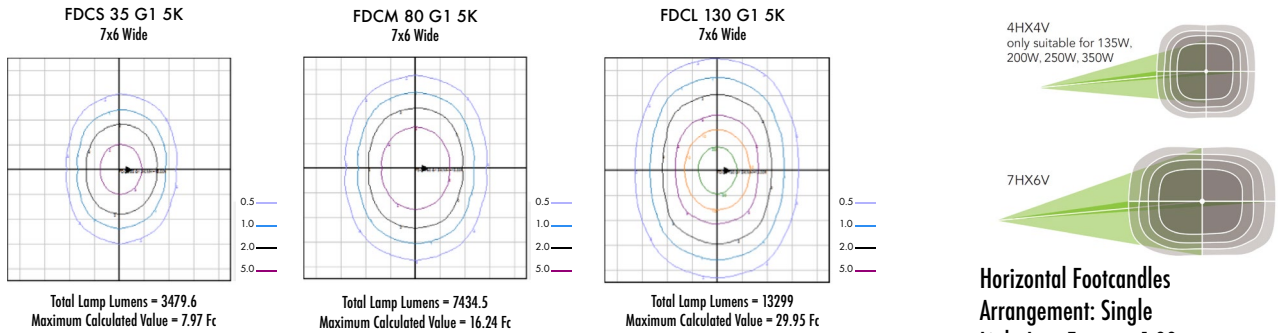


**X-LARGE**  
135W & 200W  
Slipfitter Mount



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## PHOTOMETRIC



**Horizontal Footcandles**  
Arrangement: Single  
Light Loss Factor = 1.00  
Scale: 1 in = 7.5 ft  
Mounting Height = 15.00 ft

## PERFORMANCE DATA

### 4K & 5K

Distance Type	Wattage	Voltage	Lumen Output	Efficacy (LPW)	CRI Min	Replacement
7HX6V	15W	120-277V	2,000 Lm	133	70	70W MH
7HX6V	27W	120-277V	3,600 Lm	133	70	100W MH
7HX6V	45W	120-277V	5,650 Lm	126	70	150W MH
7HX6V	60W	120-277V	7,450 Lm	124	70	175W MH
7HX6V	60W	347-480V	7,600 Lm	127	70	175W MH
7HX6V	70W	120-277V	8,900 Lm	127	70	250W MH
7HX6V	70W	347-480V	9,300 Lm	133	70	250W MH
7HX6V	90W	347-480V	12,400 Lm	138	70	400W MH
7HX6V	100W	120-277V	13,300 Lm	133	70	400W MH
7HX6V	135W	120-277V	18,000 Lm	132	70	400W MH
7HX6V	135W	347-480V	18,000 Lm	132	70	400W MH
4HX4V	135W	120-277V	18,000 Lm	132	70	400W MH
4HX4V	135W	347-480V	18,000 Lm	132	70	400W MH
7HX6V	200W	120-277V	26,000 Lm	130	70	400W MH
7HX6V	200W	347-480V	26,000 Lm	130	70	400W MH
4HX4V	200W	120-277V	26,000 Lm	130	70	400W MH
4HX4V	200W	347-480V	26,000 Lm	130	70	400W MH
7HX6V	250W	120-277V	34,500 Lm	138	70	750W MH
7HX6V	250W	347-480V	34,500 Lm	138	70	750W MH
4HX4V	250W	120-277V	34,500 Lm	138	70	750W MH
4HX4V	250W	347-480V	34,500 Lm	138	70	750W MH
7HX6V	350W	120-277V	50,000 Lm	137	70	1000W MH
7HX6V	350W	347-480V	50,000 Lm	137	70	1000W MH
4HX4V	350W	120-277V	49,500 Lm	137	70	1000W MH
4HX4V	350W	347-480V	49,500 Lm	137	70	1000W MH

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## ELECTRICAL LOAD

Wattage	Current (A)					
	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
250W	2.08	1.20	1.04	0.90	0.72	0.52
350W	2.92	1.68	1.46	1.26	1.01	0.73

## Lumen Ambient Temperature (LAT) Multipliers


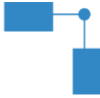



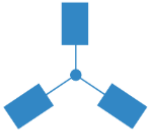

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

## 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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## EPA

Wattage							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
70W/100W	0.2885	0.6097	0.7475	0.577	0.8982	0.8196	0.8982
135W/200W	0.3868	0.8125	0.9973	0.7736	1.1993	1.0874	1.1993
250W/350W	0.536	1.061	1.278	1.072	1.597	1.803	1.597

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