

FLF FLOOD LIGHT

LED Flood Light with Selectable CCT and Lumen



Introduction

- ◆ This FLF multipurpose floodlight has a slim, traditional low profile design. The die-cast aluminum housing guarantees the durability and efficiency of the lamp to resist the attack of severe weather.
- ◆ The FLF uses a tempered glass cover to protect the LED chip from damage and help diffuse the light. With field lumen and CCT selectable switches, FLF will provide a quick, easy and adjustable solution.
- ◆ It has 3 kinds of mounting brackets to choose from, namely Knuckle mount, Trunnion mount, and Slipfitter mount. The mounting bracket is adjustable to allow different angles and directions of light, and is designed to withstand strong winds or other environmental elements.
- ◆ The FLF Series optional floodlight range offers simple outdoor solutions for a variety of floodlighting applications, ideal for signs, facades, car parks and more.



Product Specifications

Construction:

- ◆ Die-casting aluminum housing and durable surface powder coating spray. Fully sealed tempered glass.

Electrical:

- ◆ 0-10V dimmable driver, the dimming wire is not led out from the fixture.
- ◆ The Input voltage is AC120-277V/AC277-480V (50/60Hz).
- ◆ 2ft (24") long power cord provided for easier installation. (Supply 0.7 ft (7.8") of electrical wire for the flood light equipped with a knuckle mount.)

Optics:

- ◆ Selectable CCT 3000K, 4000K or 5000K (Default setting), CRI >70.
- ◆ Three distributions are available, NEMA 7H7V for 30W~155W, NEMA 4H4V and NEMA 6H6V for 250W.

Photocell:

- ◆ Integrated photocell included with on/off switch.

Finish:

- ◆ Dark bronze color is Standard.

Mounting:

- ◆ Support Knuckle mount, Trunnion mount, and Slipfitter mount as options.

Ambient Temperature:

- ◆ -40° F (-40° C) to 113° F (45° C)

Compliances:

- ◆ cULus listed for wet locations.
- ◆ DC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications.

Warranty:

- ◆ 5 year limited warranty

Ordering Guide

EXAMPLE: X-FLF(155/125/90)W-(30/40/50)KLV-PTR

Brand	Product name FLF	Wattage ¹ XXXW	CCT ² XXK	Input Voltage ³ AA	Photocell X	Mounting Brackets YY	Distribution Z	Efficacy K
CPS	FLF	(30/25/17)W (63/50/36)W (108/90/63)W (155/125/90)W (250/200/150/125)W	40K=4000K 50K=5000K (30/40/50)K= 3000K/4000K/5000K	UL=120-277Vac (for 30-155W) UL=120-277Vac (for 250W) UH=277-480Vac	Blank=without photocell, P=with photocell	TR=Trunnion Mount SF=Slipfitter Mount KN=Knuckle Mount	Blank= Wide Distribution 7H7V M= Medium Distribution 6H6V N=Narrow Distribution 4H4V	Blank=General Light Efficacy H=High Light Efficacy

Note: 1. (30/25/17)W=30W, 25W, 17W Selectable, 30W default setting. (63/50/36)W=63W, 50W, 36W Selectable, 63W default setting. (108/90/63)W=108W, 90W, 63W Selectable, 108W default setting. (155/125/90)W=155W, 125W, 90W Selectable, 155W default setting. (250/200/150/125)W=250W, 200W, 150W, 125W Selectable, 250W default setting.

2. (30/40/50)K=3000K, 4000K, 5000K Selectable, 5000K default setting.

3. The Voltage code (120-277Vac) of 30W~155W is LV. The Voltage code (120-277Vac) of 250W is UV.

Performance Data

General Efficacy

Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

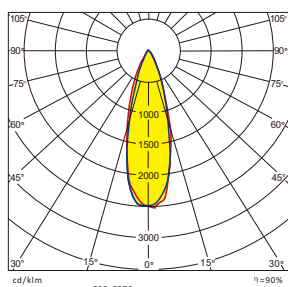
Model Number	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	LPW	CRI
FLF(30/25/17)W -(30/40/50)KAA-PYY	1	Yes	3000K	Yes	3,050	17	179	>70
			4000K		3,250	17	188	
			5000K		3,100	17	182	
	2		3000K		4,250	25	170	
			4000K		4,600	25	180	
			5000K		4,400	25	176	
	3		3000K		4,950	30	165	
			4000K		5,350	30	175	
			5000K		5,150	30	172	
FLF(63/50/36)W -(30/40/50)KAA-PYY	1	Yes	3000K	Yes	6,400	36	178	>70
			4000K		7,100	36	198	
			5000K		6,600	36	183	
	2		3000K		8,500	50	170	
			4000K		9,450	50	189	
			5000K		8,750	50	175	
	3		3000K		10,080	63	160	
			4000K		11,200	63	178	
			5000K		10,400	63	165	
FLF(108/90/63)W -(30/40/50)KAA-PYY	1	Yes	3000K	Yes	10,950	63	174	>70
			4000K		12,250	63	195	
			5000K		11,550	63	183	
	2		3000K		15,100	90	168	
			4000K		16,850	90	187	
			5000K		15,900	90	177	
	3		3000K		17,060	108	158	
			4000K		19,050	108	177	
			5000K		18,000	108	167	
FLF(155/125/90)W -(30/40/50)KAA-PYY	1	Yes	3000K	Yes	15,400	90	171	>70
			4000K		18,000	90	200	
			5000K		16,250	90	181	
	2		3000K		20,250	125	162	
			4000K		23,650	125	190	
			5000K		21,400	125	171	
	3		3000K		23,250	155	150	
			4000K		27,150	155	176	
			5000K		24,550	155	159	
FLF(250/200/150/125)W -(30/40/50)KAA-YYM	1	Yes	3000K	Yes	22,550	125	181	>70
			4000K		26,150	125	209	
			5000K		23,400	125	187	
	2		3000K		26,150	150	175	
			4000K		30,300	150	202	
			5000K		27,100	150	181	
	3		3000K		31,750	200	159	
			4000K		36,800	200	184	
			5000K		32,950	200	165	
	4		3000K		38,500	250	154	
			4000K		44,650	250	179	
			5000K		39,950	250	160	
FLF(250/200/150/125)W -(30/40/50)KAA-YYN	1	Yes	3000K	Yes	22,500	125	180	>70
			4000K		26,250	125	210	
			5000K		23,500	125	188	
	2		3000K		26,300	150	176	
			4000K		30,700	150	205	
			5000K		27,500	150	184	
	3		3000K		31,950	200	160	
			4000K		37,300	200	187	
			5000K		33,400	200	167	
	4		3000K		38,750	250	155	
			4000K		45,250	250	181	
			5000K		40,500	250	162	
FLF(250/200/150/125)W-XXKAA-YYM	1	Yes	4000K	NO	23,550	125	189	>70
			5000K		23,700	125	190	
	2		4000K		27,300	150	182	
			5000K		27,500	150	184	
	3		4000K		33,200	200	166	
			5000K		33,400	200	167	
	4		4000K		40,250	250	161	
			5000K		40,500	250	162	
FLF(250/200/150/125)W-XXKAA-YYN	1	Yes	4000K	NO	23,350	125	187	>70
			5000K		23,500	125	188	
	2		4000K		27,300	150	182	
			5000K		27,500	150	184	
	3		4000K		33,200	200	166	
			5000K		33,400	200	167	
	4		4000K		40,250	250	161	
			5000K		40,500	250	162	

High Efficacy

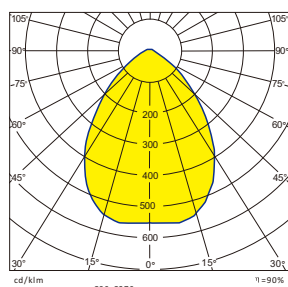
Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

Model Number	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	LPW	CRI
FLF(250/200/150/125)W -(30/40/50)KAA-YYMH	1	Yes	3000K	Yes	23,700	125	190	>70
			4000K		26,250	125	210	
	5000K		24,350		125	195		
	2		3000K		27,400	150	183	
			4000K		30,400	150	203	
	3		5000K		28,200	150	188	
			3000K		33,750	200	169	
	4		4000K		37,450	200	188	
			5000K		34,700	200	174	
			3000K		41,500	250	166	
			4000K		46,050	250	185	
	5000K		42,700		250	171		
FLF(250/200/150/125)W -(30/40/50)KAA-YYNH	1	Yes	3000K	Yes	23,900	125	191	>70
			4000K		26,800	125	215	
	5000K		24,800		125	199		
	2		3000K		27,650	150	185	
			4000K		31,000	150	207	
	3		5000K		28,750	150	192	
			3000K		33,750	200	169	
	4		4000K		37,850	200	190	
			5000K		35,100	200	176	
			3000K		41,500	250	166	
			4000K		46,550	250	187	
	5000K		43,150		250	173		
FLF(250/200/150/125) W-XXKAA-YYMH	1	Yes	4000K	NO	24,800	125	199	>70
			5000K		24,550	125	197	
	4000K		28,750		150	192		
	5000K		28,400		150	190		
	3		4000K		35,400	200	177	
			5000K		35,000	200	175	
	4		4000K		43,500	250	174	
			5000K		43,000	250	172	
FLF(250/200/150/125) W-XXKAA-YYNH	1	Yes	4000K	NO	24,600	125	197	>70
			5000K		24,600	125	197	
	4000K		28,500		150	190		
	5000K		28,500		150	190		
	3		4000K		34,800	200	174	
			5000K		34,800	200	174	
	4		4000K		42,750	250	171	
			5000K		42,750	250	171	

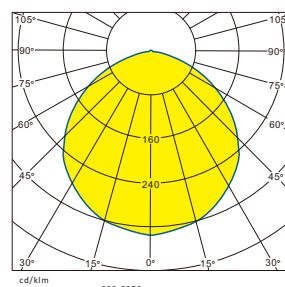
Photometrics



NEMA 4H4V
(lens changing needed for
X-FLF250W model)

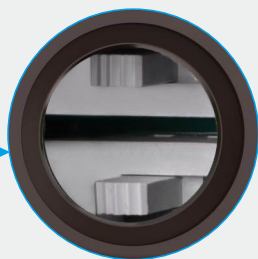


NEMA 6H6V
(as standard offer for
X-FLF250W model)



NEMA 7H7V
(as standard offer for
X-FLF30W~155W model)

Power Selection And CCT Selection Capability



☐ 1
☐ 2
☐ 3

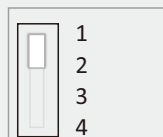
☐ 3000K
☐ 4000K
☐ 5000K

Power Setting

Adjust power between
30/25/17W, 30W default setting.
63/50/36W, 63W default setting.
108/90/63W, 108W default setting.
155/125/90W, 155W default setting.

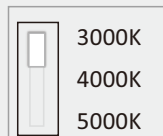
CCT Setting

Adjust CCT between
3000K/4000/5000K, 5000K default setting.



Power Setting

Adjust power between
250/200/150/125W, 250W default setting.



CCT Setting

Adjust CCT between
3000K/4000/5000K, 5000K default setting.

Accessories

Control Options

Comes as standard



XPC-B

Photocell -With Sunshade Cover
for X-FLF30W~155W

Control Options

Call to confirm availability



XSCKit01

Shorting Cap Kit (with receptacle) for
X-FLF(250/200/150/125)W



XPCKit-UNV27V

Twist-lock Photocell Kit (with receptacle) for
X-FLF(250/200/150/125)W, at AC120-277V



XPCKit-HV48V

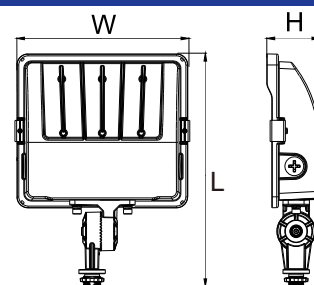
Twist-lock Photocell Kit (with receptacle) for
X-FLF(250/200/150/125)W, at AC277-480V

Electrical Data

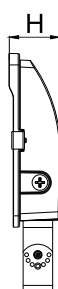
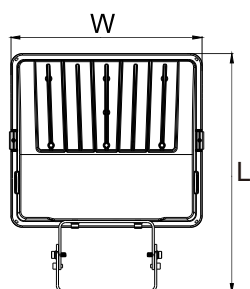
Model Series	Wattage(W)	Current (A)				
		Input Voltage (V)				
		120	208	240	277	480
FLF(30/25/17)W	17	0.16	0.09	0.08	0.07	N.A
	25	0.23	0.13	0.12	0.10	N.A
	30	0.28	0.16	0.14	0.12	N.A
FLF(63/50/36)W	36	0.33	0.19	0.17	0.14	N.A
	50	0.46	0.27	0.23	0.20	N.A
	63	0.58	0.34	0.29	0.25	N.A
FLF(108/90/63)W	63	0.58	0.34	0.29	0.25	N.A
	90	0.83	0.48	0.42	0.36	N.A
	108	1.00	0.58	0.50	0.43	N.A
FLF(155/125/90)W	90	0.83	0.48	0.42	0.36	0.21
	125	1.16	0.67	0.58	0.50	0.29
	155	1.44	0.83	0.72	0.62	0.36
FLF(250/200/150/125)W	125	1.16	0.67	0.58	0.50	0.29
	150	1.39	0.80	0.69	0.60	0.35
	200	1.85	1.07	0.93	0.80	0.46
	250	2.31	1.34	1.16	1.00	0.58

Dimensions

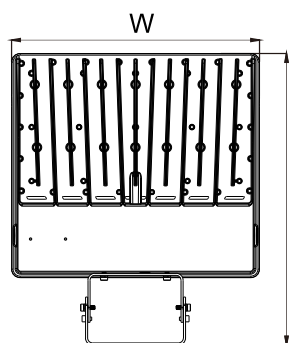
1/2"NPSM Knuckle Mount	LxWxH
(30/25/17)W	9.8x7.0x2.3inch/250.1x177.0x57.3mm
(63/50/36)W	10.8x8.0x2.5inch/275.1x202.2x62.3mm



1/2"NPSM Knuckle Mount

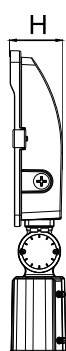
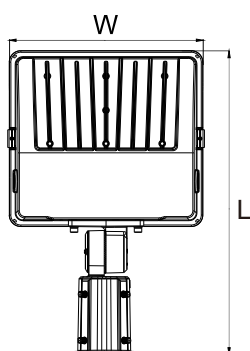


(30/25/17)W
(63/50/36)W
(108/90/63)W
(155/125/90)W

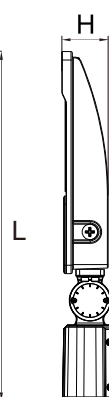
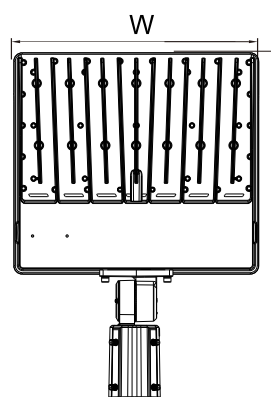


(250/200/150/125)W

Trunnion Mount	LxWxH
(30/25/17)W	8.7x7.0x2.3inch/220.5x177.0x57.3mm
(63/50/36)W	9.7x8.0x2.5inch/245.6x202.2x62.3mm
(108/90/63)W	11.8x9.2x2.9inch/300.3x232.6x73.6mm
(155/125/90)W	13.5x10.7x2.9inch/342.3x272.6x73.6mm
(250/200/150/125)W	16.4x14.0x2.6inch/416.7x354.5x66.6mm



(108/90/63)W
(155/125/90)W

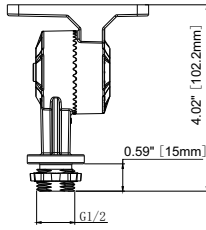


(250/200/150/125)W

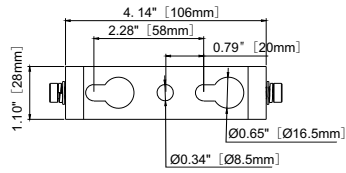
Slipfitter Mount	LxWxH
(108/90/63)W	15.3x9.2x2.9inch/387.6x232.6x73.6mm
(155/125/90)W	16.8x10.7x2.9inch/427.8x272.6x73.6mm
(250/200/150/125)W	19.8x14.0x2.6inch/504.0x354.5x66.6mm

Drilling Patterns

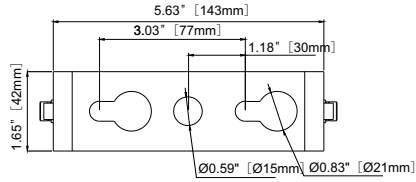
Knuckle Mount for
FLF 30-63W



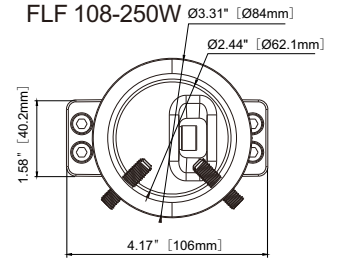
Trunnion Mount for
FLF 30-63W



Trunnion Mount for
FLF 108-250W



Slipfitter Mount for
FLF 108-250W



Shipping Information

Model	Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
FLF(30/25/17)W-XXKAA-PKN	15.94 x 11.61 x 8.86	13.45	4	3,392	9,328
FLF(30/25/17)W-XXKAA-PTR	15.94 x 10.63 x 8.86	13.45	4	3,768	10,368
FLF(63/50/36)W-XXKAA-PKN	15.94 x 12.99 x 10.04	13.45	4	2,728	7,504
FLF(63/50/36)W-XXKAA-PTR	15.94 x 11.81 x 10.04	13.45	4	3,000	8,252
FLF(108/90/63)W-XXKAA-PSF	16.93 x 10.83 x 4.92	7.05	1	1,533	4,216
FLF(108/90/63)W-XXKAA-PTR	13.39 x 10.83 x 4.92	7.05	1	1,939	5,332
FLF(155/125/90)W-XXKAA-PSF	18.50 x 12.40 x 4.92	9.04	1	1,227	3,375
FLF(155/125/90)W-XXKAA-PTR	14.96 x 12.40 x 4.92	9.04	1	1,518	4,175
FLF(250/200/150/125)W-XXKAA-SFZK	21.65 x 15.83 x 4.57	12.13	1	886	2,438
FLF(250/200/150/125)W-XXKAA-TRZK	18.11 x 15.83 x 4.57	12.13	1	1,060	2,916