



## G6FL LED FLOOD LIGHT

### DESCRIPTION

JAYKAL's G6FL LED Flood Light Series is engineered to provide an energy-efficient and versatile outdoor lighting solution. Featuring a low-profile, modern design, the G6 seamlessly integrates into a wide range of architectural and landscape applications.

Available in three housing sizes with multiple lumen packages ranging from 15W to 120W, the G6FL delivers efficacy up to 161 lm/W, maximizing energy savings while maintaining superior illumination performance. Integrated field-adjustable power and CCT (Correlated Color Temperature) settings provide exceptional flexibility, allowing users to customize light output and color temperature to meet specific project requirements while simplifying inventory management.

### FEATURES

- Designed for building facades, courtyards, driveways, parking areas, signage, billboards, and other commercial or industrial applications
- CCT Adjustable 3000K / 4000K / 5000K
- Wattage Adjustable 100% / 80% / 60% / 40%
- Photocell Option Optional security and energy saving
- Environmental IP65 Rating Wet location suitable
- Efficacy up to 161lm/W





SPECIFICATIONS						
Model Name	G6FL					
Type	M1	M2	M3	M4	M5	M6
Wattage Options	6/10/12/15W	11/15/20/27W	14/22/30/40W	27/41/54/65W	33/50/68/90W	53/71/99/120W
Efficacy@4000K	153lm/W	141lm/W	150lm/W	149lm/W	161lm/W	158lm/W
Lumen@4000K@max wattage	2300lm	3800lm	6000lm	9700lm	14500lm	19000lm
BUG RATING	B1-U2-G1	B2-U2-G0	B2-U2-G1	B3-U3-G1	B3-U3-G1	B4-U3-G1
Input Voltage	120-277 VAC					
Dimming	0-10V Dimming (10%-100%)					
Power Factor	>0.9					
THD	<20%					
Operating Temperature	-40°C to +40°C (-40°F to +104°F)					
CRI	70					
Distribution Type	7Hx7V					
Adjustable Wattage	100% / 80% / 60% / 40%					
Adjustable CCT	3000K / 4000K / 5000K Selectable					
Housing Material	One-piece die-cast aluminum					
Lens Material	Tempered glass					
Optical Design	High reflective white reflector					
PROTECTION	Integral short circuit, open circuit, and overload protection					
SURGE PROTECTION	Standard 6KV & 10KV for 10-Year Warranty Option					
Certification	UL / cUL Wet Location Listed					
DLC	DLC Premium Qualified					
IP Rating	IP65					
Lifespan	50,000 Hours					
FCC	FCC 47 CFR Part 15 Compliance					
Warranty	5 Year Standard / 10 Year Optional					

ADJUSTABLE LUMEN OUTPUT						
Setting	15W	27W	40W	65W	90W	120W
100%	2266 lm	3672 lm	5846 lm	9438 lm	13982 lm	18092 lm
80%	1790 lm	2856 lm	4542 lm	7824 lm	10535 lm	15119 lm
60%	1455 lm	2234 lm	3356 lm	5937 lm	8144 lm	11206 lm
40%	943 lm	1690 lm	2327 lm	3963 lm	5490 lm	8581 lm

*Specifications are typical values and may change without notification*



**PERFORMANCE DATA**

Wattage	Voltage	Distribution	CCT	Lumens	Efficacy
15W	120-277V	7Hx7V	3000K	2050 lm	137 lm/W
15W	120-277V	7Hx7V	4000K	2300 lm	153 lm/W
15W	120-277V	7Hx7V	5000K	2100 lm	140 lm/W
27W	120-277V	7Hx7V	3000K	3500 lm	130 lm/W
27W	120-277V	7Hx7V	4000K	3800 lm	141 lm/W
27W	120-277V	7Hx7V	5000K	3600 lm	133 lm/W
40W	120-277V	7Hx7V	3000K	5700 lm	143 lm/W
40W	120-277V	7Hx7V	4000K	6000 lm	150 lm/W
40W	120-277V	7Hx7V	5000K	5800 lm	145 lm/W
65W	120-277V	7Hx7V	3000K	9200 lm	142 lm/W
65W	120-277V	7Hx7V	4000K	9700 lm	149 lm/W
65W	120-277V	7Hx7V	5000K	9400 lm	145 lm/W
90W	120-277V	7Hx7V	3000K	13400 lm	149 lm/W
90W	120-277V	7Hx7V	4000K	14500 lm	161 lm/W
90W	120-277V	7Hx7V	5000K	13500 lm	150 lm/W
120W	120-277V	7Hx7V	3000K	17500 lm	146 lm/W
120W	120-277V	7Hx7V	4000K	19000 lm	158 lm/W
120W	120-277V	7Hx7V	5000K	18000 lm	150 lm/W

**ELECTRICAL DATA**

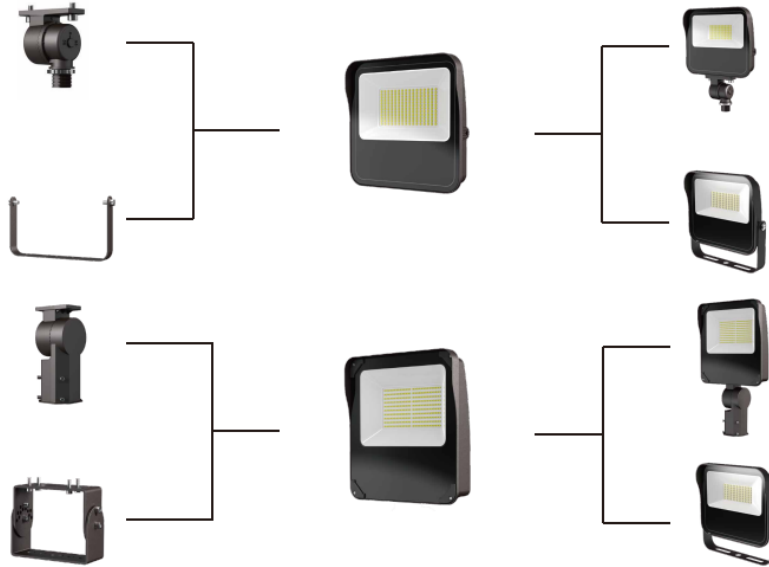
Number of Drivers	Driver Current (mA)	Nominal Power	Input Voltage	Current (Amps)
1	230	15W	120V	0.13A
		15W	208V	0.07A
		15W	240V	0.06A
		15W	277V	0.05A
1	450	27W	120V	0.23A
		27W	208V	0.13A
		27W	240V	0.11A
		27W	277V	0.10A
1	680	40W	120V	0.33A
		40W	208V	0.19A
		40W	240V	0.17A
		40W	277V	0.14A
1	980	65W	120V	0.54A
		65W	208V	0.31A
		65W	240V	0.27A
		65W	277V	0.23A
1	730	90W	120V	0.75A
		90W	208V	0.43A
		90W	240V	0.38A
		90W	277V	0.32A
1	960	120W	120V	1.00A
		120W	208V	0.58A
		120W	240V	0.50A
		120W	277V	0.43A

*Specifications are typical values and may change without notification*



**Multiple Mounting Options**

The Single fixture can be compatible with different installation methods. For example: simply remove the Knuckle joint and inst bracket, without the need for any additional waterproof measures.



**ACCESSORIES (Optional)**

<b>Wire Guard</b>	<b>Knuckle Assembly Supporter</b>

**STRUCTURAL DESIGN**



**Photocell (Option)**  
Optional photocell allows for security and energy saving

**Optics**  
A high-reflective white reflector and tempered glass are used to shape the 7Hx7V light type. At the same time, the integrated visor that comes with the cover can reduce glare very well.

**Mounting**  
MFD11 have a powerful 1/2 NPS knuckle mount, and also available with either a slipfitter or yoke(trunnion) mount.

**Housing**  
One-piece die-cast aluminum housing with optimal thermal management both enhances LED efficacy and extends fixture's life.

**Power and CCT controller**



Wattage selectable:  
100%, 80%, 60%, 40%  
CCT selectable:  
3000K, 4000K, 5000K





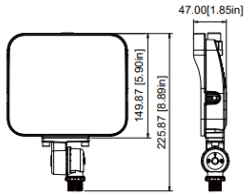
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efficiency. illuminated.

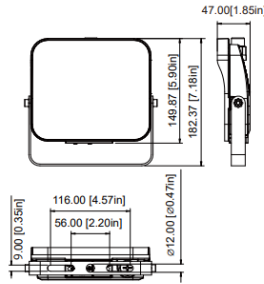


**DIMENSIONS (Unit : mm/Inch)**

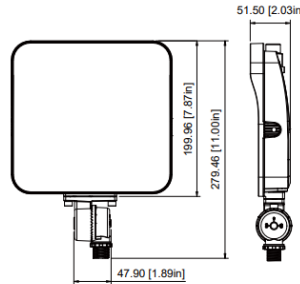
**15W&27W(Knuckle Mount)**



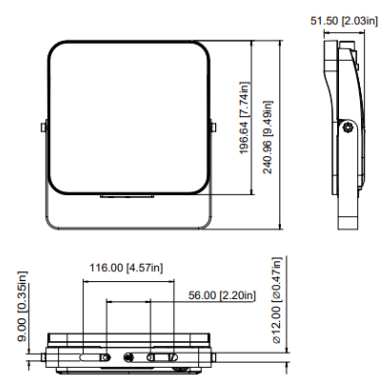
**15W&27W(Trunnion Mount)**



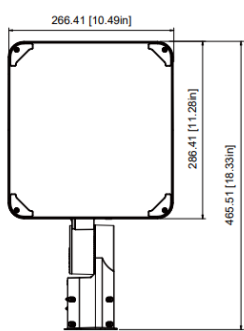
**40W&65W(Trunnion Mount)**



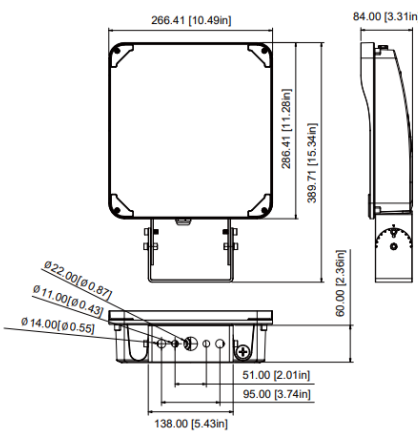
**40W&65W(Trunnion Mount)**



**90W&120W(Slipfitter Mount)**



**90W&120W(Yoke Mount)**



ORDERING GUIDE		EXAMPLE : JLS-G6FL-M2-7MCTT-PC-K [COM]			
MODEL	WATTAGE	CCT	CONTROLS	MOUNT	DESIGNATION
JLS-G6FL	M1 = 6/10/12/15W	7MCTT = 3000K/4000K/5000K	N = No option PC = Photocell	K = Knuckle Mount* T = Trunnion Mount* Y = Yoke Mount** SF = Slip Fitter Mount**	[TAA] [COM]
	M2 = 11/15/20/27W				
	M3 = 14/22/30/40W				
	M4 = 27/41/54/65W				
	M5 = 33/50/68/90W				
	M6 = 53/71/99/120W				

\* M1/M2/M3/M4 type only suitable for knuckle and trunnion mount

\*\* M5/M6 type only suitable for slip fitter and yoke mount

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