

PROJECT NAME: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

NOTES: \_\_\_\_\_

DATE: \_\_\_\_\_

## BLS-FLDABA FLOOD LIGHT

The BLS-FLDABA is a powerful LED floodlight designed as a versatile solution with clean, simple lines. It offers three selectable beam angles, four lumen output levels, and three selectable CCTs. Multiple mounting options make it ideal for a wide range of applications, including display lighting, corridors, building exteriors, billboards, and landscape lighting in parks, plazas, and playgrounds.



### SPECIFICATIONS FEATURES

**Color Temperature Tuning:** Capable of delivering 3000K, 4000K & 5000K color temperatures

**Construction:** Die-cast aluminum optimizes heat dissipation as the main body of the fixture, improving LED efficiency. A durable powder-coated finish and fully sealed tempered glass enhance fixture longevity. The low-profile, compact design is 1.5G vibration-rated and minimizes wind load requirements.

**Lens:** Heat- and impact-resistant toughened glass maximizes light output while maintaining an attractive nighttime appearance.

**Beam Angle:** Three adjustable beam angles of 90°/75°/55° and a very wide/medium wide/wide light range.

**Mounting Options:** Trunnion, Knuckle, Slipfitter and Yoke available

**Controls:** Photocell optional

**Dimming:** 0-10V light drive standard, 10% to 100% dimming

**CRI:** CRI≥80

**Voltage:** Universal 120-277 VAC

**Lifespan:** Estimated 50,000 Hour based on IES LM-80 results and TM-21 calculations.

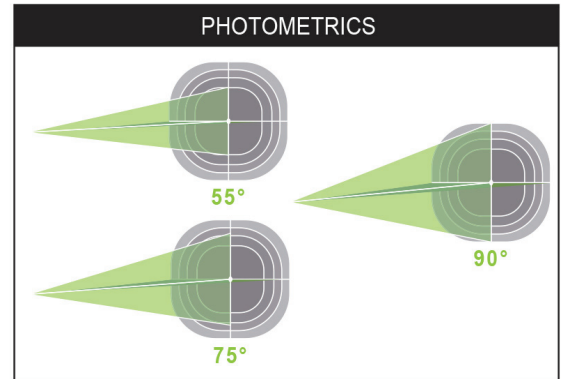
**Operating Temperature:** -40°C to 40°C (-40°F - + 104°F).

**Power Factor:** > 0.90, THD <20%

**Listings:** UL CUL wet location listed

**Warranty:** 5 year warranty

*NOTE- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C(±5°C) specifications subject to change without notice.*



### ORDERING GUIDE

SAMPLE: BLS-FLDABA-150-48V-ADJ-D-P-AD-YK



MODEL	WATTAGE	VOLTAGE	CCT	FINISH	PHOTOCELL	CCT AND POWER ADJUSTABLE	MOUNTING	BEAM ANGLE
BLS-FLDABA	30 30 Watts	27V 120-277V	ADJ <sup>1</sup> Adjustable Color Temperature	D Dark Bronze CC Custom Color	P with Photocell	AD with Adjustable Dial	TR <sup>2</sup> Trunnion KN <sup>2</sup> Knuckle YK <sup>3</sup> Yoke SP <sup>3</sup> Slipfitter	Blank Adjustable beam angle
	90 90 Watts							
	120 120 Watts							
	150 150 Watts							

**NOTE:**  
 1. CCT Adjustable (3000K/4000K/5000K).  
 2. 30W and 90W only suitable for trunnion and knuckle mount.  
 3. 120W/150W only suitable for slipfitter and yoke mount.

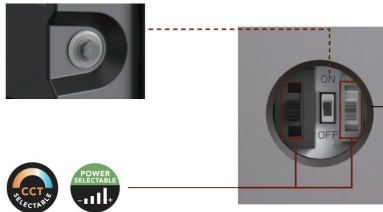
Optional Accessory:  
Wire Guard



## STRUCTURAL DESIGN

### BUILT-IN DUSK-TO-DAWN PHOTOCELL

Ensures the floodlight operates only when darkness is detected, extending fixture life and reducing energy costs. The photocell can be turned on or off via a simple dip switch.

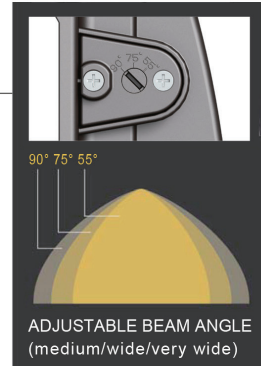


### CCT AND WATTAGE SELECTABLE

This fixture has the function of adjusting the lumens output and color temperature on-site.

#### Power adjustment range:

- 30W-24W-18W-12W
- 90W-72W-54W-36W
- 120W-96W-72W-48W
- 150W-120W-90W-60W
- CCT selectable: 3000K, 4000K, 5000K



## MOUNTING OPTIONS

The fixture is compatible with multiple mounting configurations. For example, the knuckle joint can be removed and replaced with a trunnion bracket without requiring additional waterproofing measures.



## PERFORMANCE DATA

BLS-FLDABA-30																			
SETTING	SYSTEM WATTS	3000K(80CRI)						4000K(80CRI)						5000K(80CRI)					
		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
30W	30W	4080	136	3870	129	3720	124	4500	150	4260	142	4140	138	4200	140	4020	134	3870	129
	24W	3400	142	3210	134	3070	128	3720	155	3520	147	3400	142	3480	145	3280	137	3210	134
	18W	2640	147	2460	137	2370	132	2860	159	2710	151	2620	146	2680	149	2550	142	2460	137
	12W	1800	150	1710	143	1640	137	1990	166	1870	156	1820	152	1870	156	1770	148	1710	143

BLS-FLDABA-90																			
SETTING	SYSTEM WATTS	3000K(80CRI)						4000K(80CRI)						5000K(80CRI)					
		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
90W	90W	12000	133	11620	129	11150	124	13280	148	12750	142	12380	138	12460	138	12090	134	11620	129
	72W	9960	138	9650	134	9260	129	11030	153	10590	147	10280	143	10340	144	10040	140	9650	134
	54W	7690	143	7450	138	7150	132	8520	158	8180	152	7940	147	7990	148	7750	144	7450	138
	36W	5350	149	5180	144	4970	138	5930	165	5690	158	5520	154	5560	155	5400	150	5180	144

BLS-FLDABA-120																			
SETTING	SYSTEM WATTS	3000K(80CRI)						4000K(80CRI)						5000K(80CRI)					
		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
120W	120W	16140	135	15740	131	15100	126	17860	149	17270	144	16770	140	16750	140	16380	137	15750	131
	96W	13540	141	13210	138	12680	132	14990	156	14500	151	14070	147	14060	147	13740	143	13210	138
	72W	10460	145	10200	142	9790	136	11580	161	11200	156	10870	151	10860	151	10620	148	10210	142
	48W	7280	152	7100	148	6820	142	8060	168	7800	162	7570	158	7560	158	7390	154	7110	148

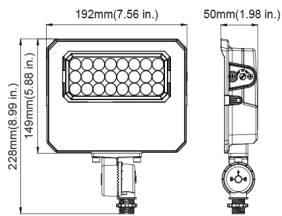
BLS-FLDABA-150																			
SETTING	SYSTEM WATTS	3000K(80CRI)						4000K(80CRI)						5000K(80CRI)					
		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V		90°/6H6V		75°/6H6V		55°/5H5V	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
150W	150W	19840	132	19530	130	18420	120	21960	146	21430	143	20450	136	20600	137	20320	135	19200	128
	120W	16640	139	16370	136	15450	129	18410	153	17970	150	17150	143	17270	144	17040	142	16100	134
	90W	12890	143	12680	141	1190	133	14270	159	13920	155	13290	148	13380	149	13200	147	12470	139
	60W	8830	147	8680	145	8200	137	9770	163	9530	159	9100	152	9160	153	9040	151	8540	142

## ELECTRICAL LOAD

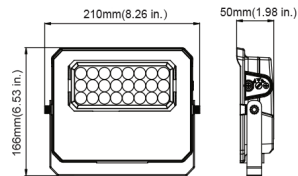
Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	450	30	120	0.25
		30	208	0.14
		30	240	0.13
		30	277	0.11
1	810	90	120	0.75
		90	208	0.43
		90	240	0.38
		90	277	0.32
1	510	120	120	1.00
		120	208	0.58
		120	240	0.50
		120	277	0.43
1	580	150	120	1.25
		150	208	0.72
		150	240	0.63
			277	0.54

## DIMENSIONS

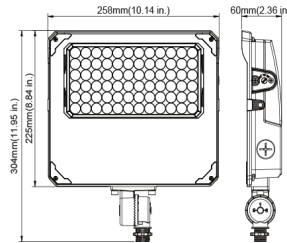
30W with 1/2" Knuckle Mount



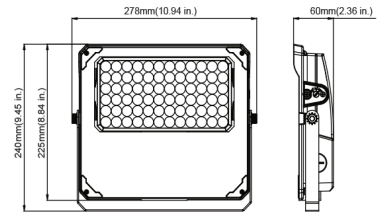
30W with Trunnion Mount



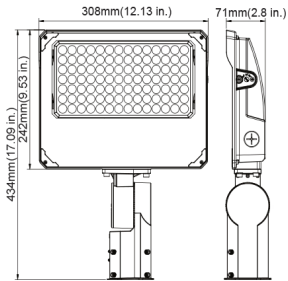
90W with 1/2" Knuckle Mount



90W with Trunnion Mount



120W and 150W with Slipfitter Mount



120W and 150W with Yoke Mount

