

Series Spec Sheet

BFL
LED BULLET FLOOD LIGHT WITH SELECTABLE BEAM ANGLE

3 CCT and 3 Power Selectable
Integrated Photocell

The BFL Series is a flexible flood light designed to adjust luminous flux, color temperature, and beam angle to optimize performance for various applications. It also features a photocell for enhanced energy efficiency. This luminaire is typically used for commercial landscaping applications as well as flood lighting of signs and facades.

FEATURES AND SPECIFICATIONS

• **Construction**

Physical Characteristics

- Die-cast aluminum housing, available in a black finish.
- Integrated button type photocell that can be easily disabled via a switch
- CCT and power select switches are easily accessible

Lens/Optic

- Clear polycarbonate lens including field selectable beam angles (4Hx4V / 5Hx5V / 6Hx6V).

Mounting

- Comes standard with a knuckle mount and an optional ground spike.

• **Performance data**

- Available in 3 000/4 000/5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 54 000 hours to L70
- 0-10 V dimming standard
- 4 kV surge protection
- Operating temperature: -40 °C to 45 °C (-40 °F to 113 °F)

• **Compliances**

- cETLus listed for Canada and USA
- Listed for wet locations
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- IP65
- IK10



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

OVERVIEW

Light source	LED
Watts (W)	15/20/25
Lumen output (lm)	1 763 - 2 878
Efficacy (lm/W)	120 - 124
Color temperature (K)	3 000/4 000/5 000
CRI	80+

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE 🕒

Order code	Model number	DLC Premium Unique ID	Watts (W)	Volts (VAC)	Color temp. (K) ¹	Lumen output (lm) ^{2,3}	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	NEMA type (HxV)	B.U.G.	Finish	Photocell (Yes/No) ⁵	Power factor	THD (%)	Traditional equivalent (W)	Master case qty
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CCT and Power Selectable with Integrated Photocell

70438	BFL-PS25-Q-3C-BK/CHOICE	S-3WRSCS	15/20/25	120-347	3 000/4 000/5 000	2 084/2 738/3 199	141	80+	54 000	9 000	4x4/5x5/6x6	B2-U1-G0	Black	Yes	>0.9	<20	70-100	16
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¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations

⁵ Integrated ON/OFF photocell that can be easily disabled.

LUMEN SPECIFICATION TABLE

Watts (W)	Nema type	3 000 K			4 000 K			5 000 K		
		Lumen output (lm)	Efficacy (lm/W)	LED Current (mA)	Lumen output (lm)	Efficacy (lm/W)	LED Current (mA)	Lumen output (lm)	Efficacy (lm/W)	LED Current (mA)
15	4Hx4V	1 763	120	124	1 808	123	122	1 808	121	125
	5Hx5V	1 779	120	125	1 826	124	122	1 826	121	125
	6Hx6V	1 793	122	124	1 811	123	122	1 811	123	125
20	4Hx4V	2 412	122	166	2 444	123	162	2 444	123	166
	5Hx5V	2 450	123	167	2 465	124	163	2 465	123	167
	6Hx6V	2 424	122	167	2 442	123	162	2 442	121	167
25	4Hx4V	2 816	121	196	2 866	123	191	2 866	123	199
	5Hx5V	2 860	123	196	2 878	123	190	2 878	122	196
	6Hx6V	2 841	122	195	2 870	123	190	2 870	123	196

DEFAULT PROGRAMMING

25 W / 4 000 K / 4x4

ACCESSORY (order separately)

Order code	Type
70441	GROUND SPIKE



COMPATIBLE DIMMERS¹

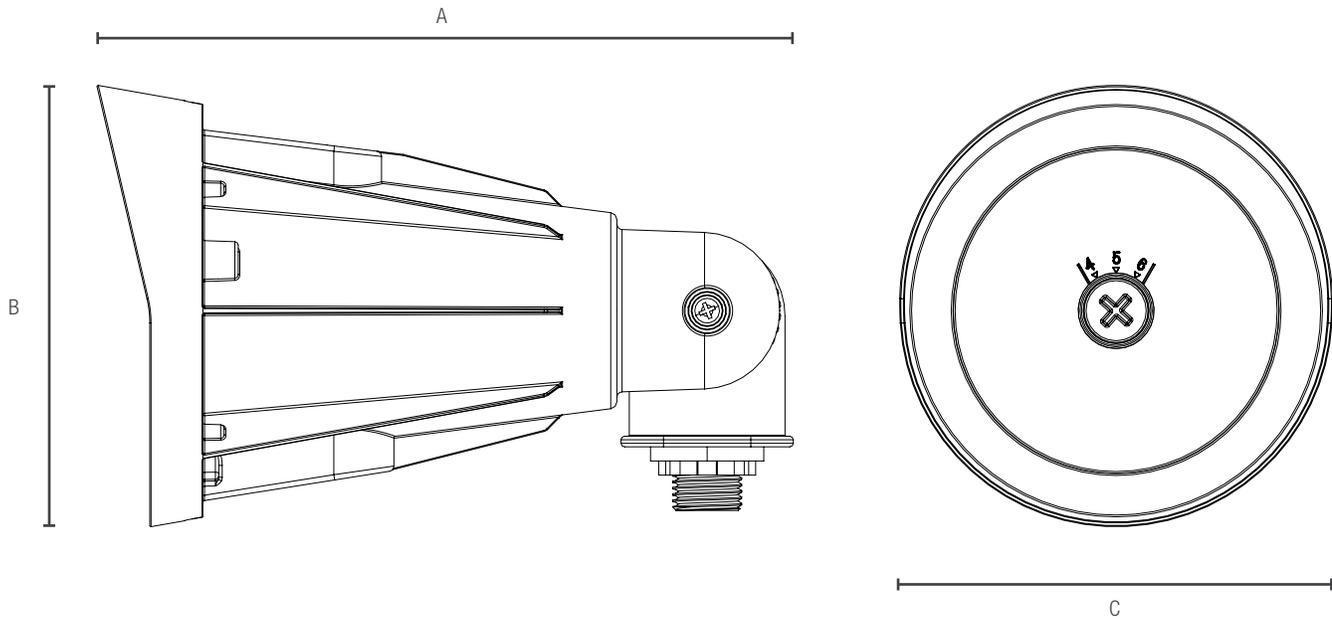
Brand	Model
Lutron	DVSTV, NTSTV-DV, DVTV
Leviton	AWSMT-7DW, DD710-BDZ, DS710-10Z
Legrand	WS4FBL3PTC, RH4FBL3PTC
Cooper	SF10P
Hubbell	LHD-IRS3-N-WH

Dimming range: 10%-100%

¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

DIMENSIONS AND WEIGHT

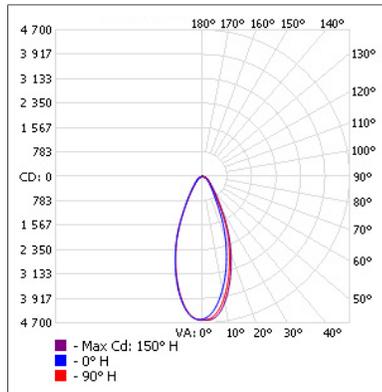


	25 W
A in. (cm)	7.74" (19.68)
B in. (cm)	4.79" (12.48)
C in. (cm)	4.08" (12.22)
Net weight (lbs)	1.32

PHOTOMETRIC DATA¹

70438 • BFL-PS25-Q-3C-BK/CHOICE • 25 W • 4 000 K • 4Hx4V • 3 200 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 089.4	65.3
0-40	2 534.1	79.2
0-60	2 994.6	93.6
60-90	167.7	5.2
70-100	57.8	1.8
90-120	13.5	0.4
0-90	3 162.3	98.8
90-180	37.4	1.2
0-180	3 199.8	100

Illuminance at a distance

Center beam fc		Beam width	
0.83'	6 660	0.61'	0.65'
1.67'	1 645	1.23'	1.32'
2.50'	734	1.85'	1.97'
3.33'	414	2.46'	2.62'
4.17'	264	3.08'	3.29'
5.00'	184	3.70'	3.94'

■ Vert. spread : 40.6°
■ Horiz. spread : 43.0°

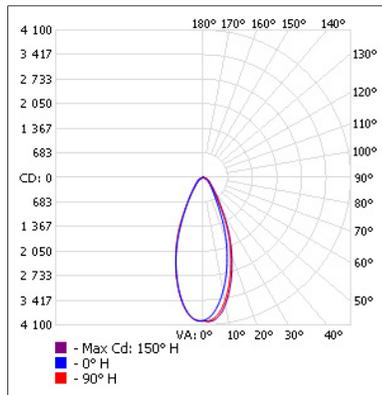
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

70438 • BFL-PS25-Q-3C-BK/CHOICE • 20 W • 4 000 K • 4Hx4V • 2 815 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 835.0	65.2
0-40	2 227.7	79.2
0-60	2 632.6	93.6
60-90	148.7	5.3
70-100	51.6	1.8
90-120	11.7	0.4
0-90	2 781.3	98.8
90-180	32.4	1.2
0-180	2 813.7	100

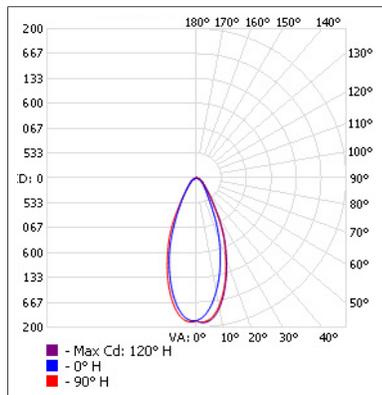
Illuminance at a distance

Center beam fc		Beam width	
0.83'	5 777	0.62'	0.66'
1.67'	1 427	1.24'	1.34'
2.50'	637	1.85'	2.00'
3.33'	359	2.47'	2.67'
4.17'	229	3.09'	3.34'
5.00'	159	3.71'	4.01'

■ Vert. spread: 40.7°
■ Horiz. spread: 43.7°

70438 • BFL-PS25-Q-3C-BK/CHOICE • 15 W • 4 000 K • 4Hx4V • 2 257 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 463.0	64.9
0-40	1 785.0	79.1
0-60	2 110.0	93.5
60-90	120.9	5.4
70-100	42.8	1.9
90-120	9.1	0.4
0-90	2 230.9	98.9
90-180	24.9	1.1
0-180	2 255.8	100

Illuminance at a distance

Center beam fc		Beam width	
0.83'	4 439	0.62'	0.70'
1.67'	1 096	1.24'	1.41'
2.50'	489	1.85'	2.11'
3.33'	276	2.47'	2.81'
4.17'	176	3.09'	3.52'
5.00'	122	3.71'	4.23'

■ Vert. spread: 40.7°
■ Horiz. spread: 45.8°

¹ Complete IES files available on our website.

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