

F20

LED Floodlight

16W



RoHS

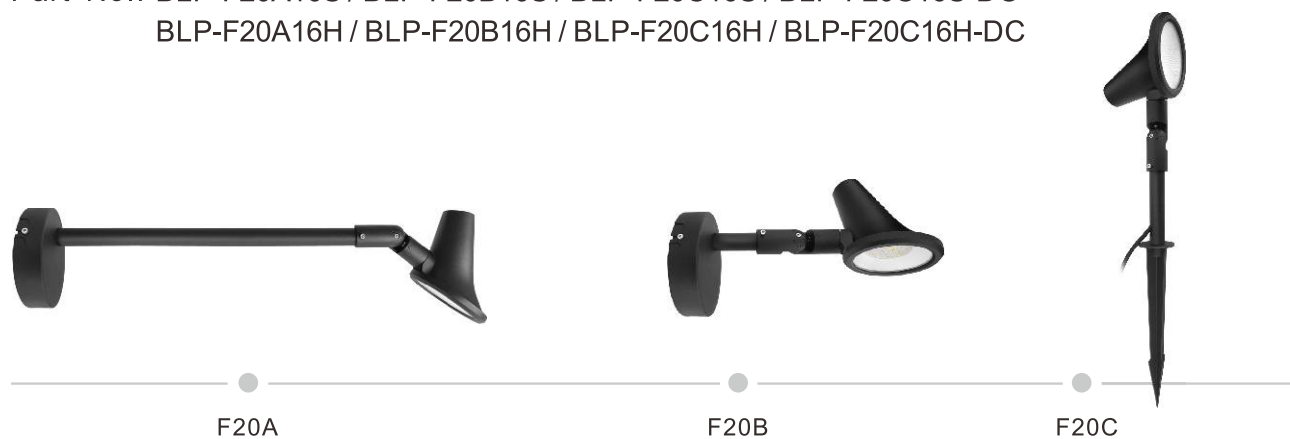


5 YEARS
WARRANTY

SPECIFICATION

Product: F20 Floodlight

Part No.: BLP-F20A16S / BLP-F20B16S / BLP-F20C16S / BLP-F20C16S-DC
BLP-F20A16H / BLP-F20B16H / BLP-F20C16H / BLP-F20C16H-DC



1. Main features

- An integrated solution for floodlight and Arm (Spike).
- Beam angle: 130x50°(asymmetric)/ 120°(symmetric).
- System efficiency up to 130~150lm/W.
- White (3000K/ 4000K/ 5700K), colored light (Red/ Yellow/ Green/ Blue) optional.
- Class II , reinforced insulation design; Class III, safety voltage design.
- ADC12 die-casting Al body, stainless steel screws, good corrosion resistance.
- Easy installation and maintenance.
- 5 years warranty / 3 years warranty(DC).

2. Product details



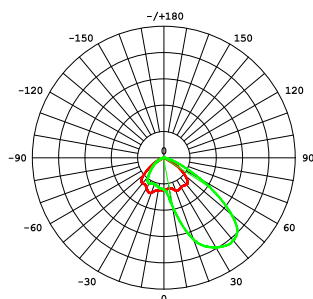
3. Technical data

Model No.	BLP-F20A16S, BLP-F20B16S, BLP-F20C16S	BLP-F20A16H, BLP-F20B16H, BLP-F20C16H
Light Source	32x Luxeon 3030	40x Luxeon 3030
Input Voltage	100-240VAC 50/60Hz	100-240VAC 50/60Hz
LED Power (W)	13-14.4	13-14.4
System Power (W)	15.2-16.8	15.2-16.8
Power Factor	0.9	0.9
Luminous flux (lm)	1,860-2,000	2,170-2,250
System Efficiency (lm/W)	120-130	140-150
CCT (K)	3000/4000/5700	3000/4000/5700
Color LED	Red/Yellow/Green/Blue	Red/Yellow/Green/Blue
CRI	>70	>70
Beam Angle	130°x 50°(Asymmetric)	120°
Optical cover	PC Lens + Foggy glass	Clear glass
THD (230VAC)	<20%	<20%
Classification	Class II	Class II
Working Temperature (°C)	-20 to +50	-20 to +50
Working Humidity (RH%)	10-90	10-90
Safety Standards	EN 60598-2-5:2015; EN 60598-1:2015+A1:2018; EN 62493:2015 AS/NZS 60598.2.5: 2018 with AS/NZS 60598.1: 2017	
EMC Standards	EN IEC 55015:2019; EN 61547:2009; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019	
Photobiological Safety	EN 62471:2008	

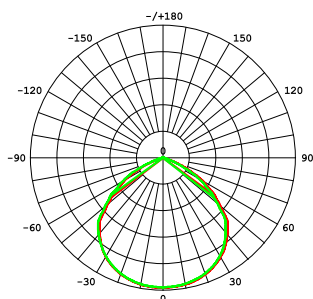
Model No.	BLP-F20C16S-DC	BLP-F20C16H-DC
Light Source	30x Luxeon 3030	42x Luxeon 3030
Input Voltage	12/24V DC	12/24V DC
LED Power (W)	13-14.4	13-14.4
System Power (W)	15.2-16.8	15.2-16.8
Luminous flux (lm)	1,860-2,000	2,170-2,250
System Efficiency (lm/W)	120-130	140-150
CCT (K)	3000/4000/5700	3000/4000/5700
Color LED	Red/Yellow/Green/Blue	Red/Yellow/Green/Blue
CRI	>70	>70
Beam Angle	130°x 50°(Asymmetric)	120°
Optical cover	PC Lens + Foggy glass	Clear glass
Classification	Class III	Class III
Working Temperature (°C)	-20 to +50	-20 to +50
Working Humidity (RH%)	10-90	10-90
EMC Standards	EN IEC 55015:2019; EN 61547:2009; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019	
Photobiological Safety	EN 62471:2008	

4. Luminous intensity distribution diagram

For the IES file, please contact us by E-mail.



130°x 50° (Asymmetric)



120° (Symmetric)



Asymmetric



Symmetric

5. Colored light optional

White



Warm white (3000K)



Neutral white (4000K)



Cool white (5700K)

Colored



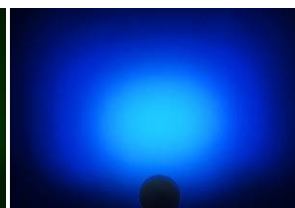
Red light



Yellow light



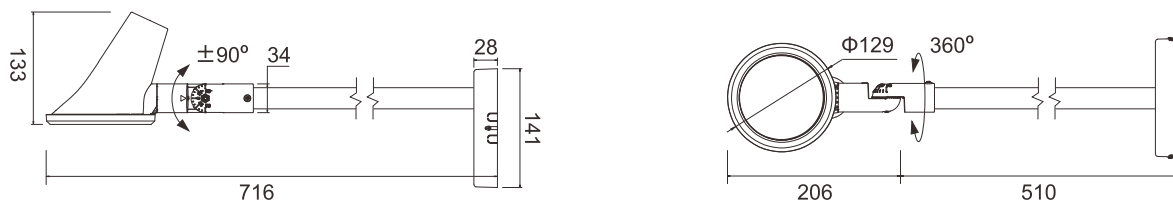
Green light



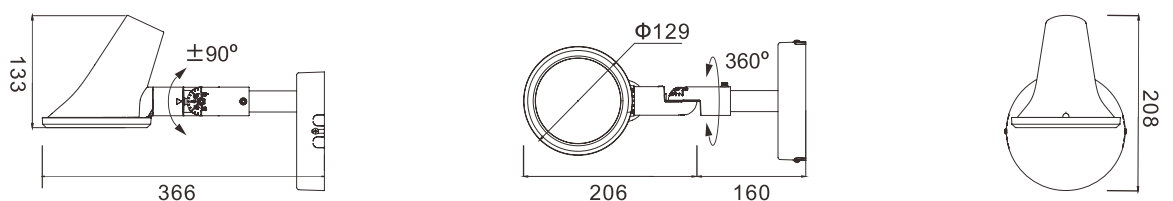
Blue light

6. Dimensions (Unit: mm)

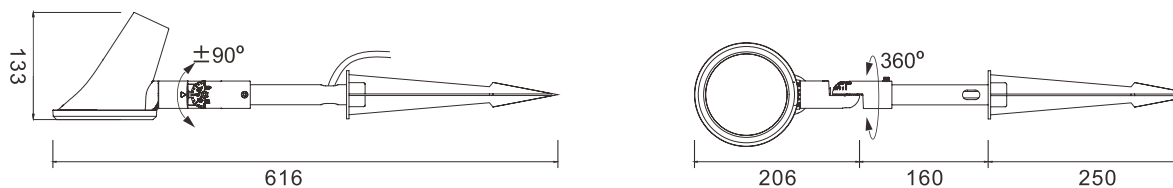
(1) F20A



(2) F20B



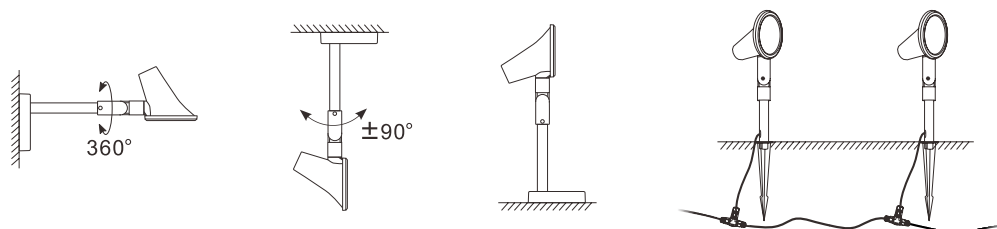
(3) F20C



7. Installation

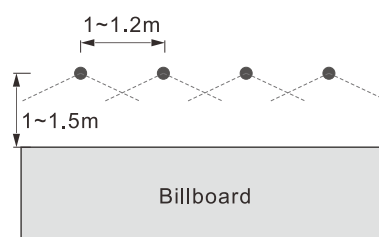
- For details, please refer to installation manual.
- Installation must be performed by qualified person.
- Please power off before installation.
- Installation tools is not included.

(1) Floodlight can be installed on the wall, ceiling or on a horizontal surface.

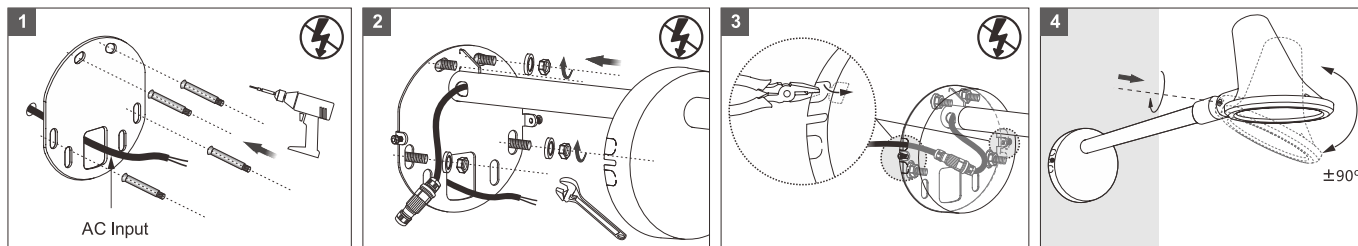


(2) Installation advice for billboard lighting

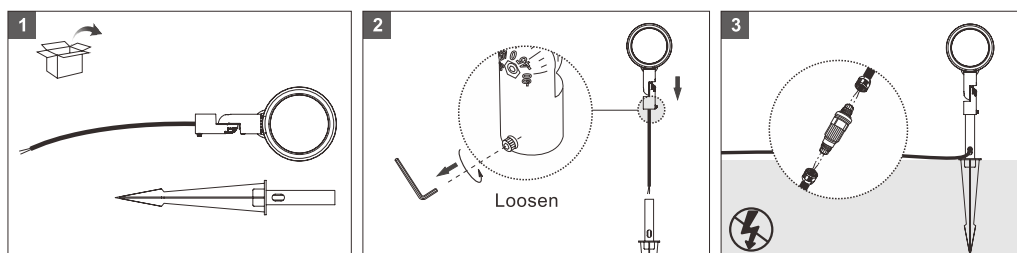
* Suitable for standard F20A16S.



(3) Installation steps (Lamp with base)



(4) Installation steps (Lamp with spike)



8. Package information

Model No.	F20A series	F20B series	F20C series
Inner Box(mm)	762*182*185	452*182*185	452*182*185
Outer Carton(cm)	78*39*40.5(4pcs/CTN)	47*39*40.5(4pcs/CTN)	47*39*40.5(4pcs/CTN)
Net Weight(kg)	1.6	1.3	1.0



9. Application

Suitable for general lighting and decoration lighting, such as Garden/Building decoration, Billboard, Wall lighting etc.

