



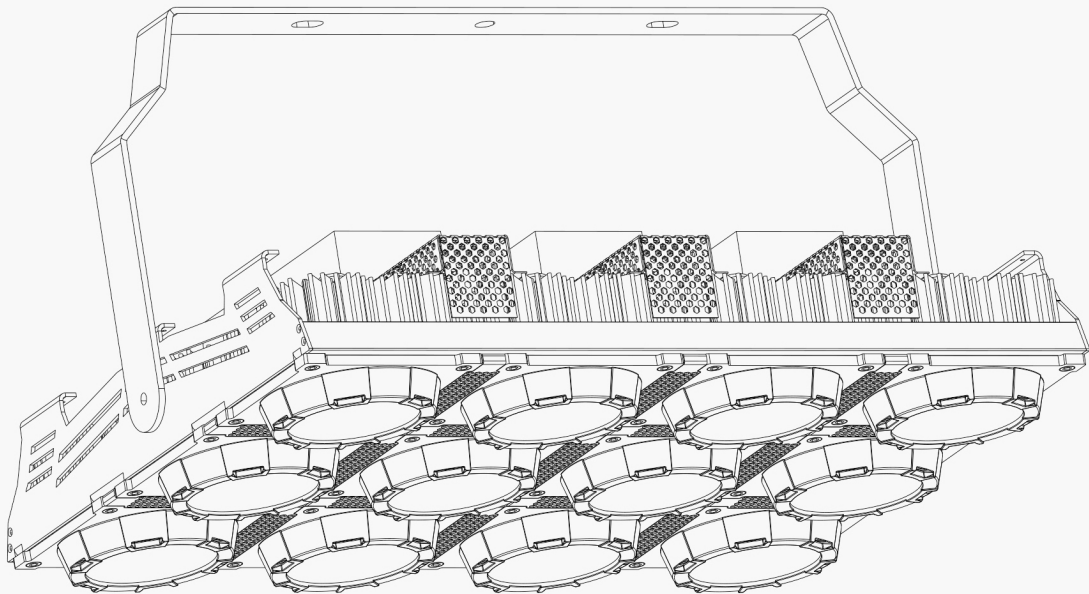
**B3 GERMANY**  
THE MASTERS OF LIGHT

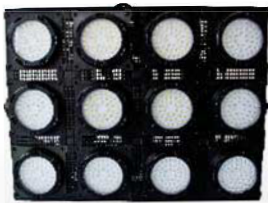
[www.b3germany.com](http://www.b3germany.com)

# MASTER SERIES

## LED FLOOD LIGHT

80W-960W





## 1.Features:

- ◆ Professional optical design, precise light distribution, low light glare
- ◆ Replace traditional 150 W – 2000 W light fixture
- ◆ 80 W/module, 80 W – 960 W available (wider application for indoor and outdoor usage)
- ◆ 15°, 30°, 60°, 90°, and 120° beam angle available
- ◆ High lumen efficiency: 125 lm/W
- ◆ IP65 with IK08
- ◆ Philips/Meanwell driver, Cree/Osram/Philips LED, 5 years warranty
- ◆ High light transmittance tempered glass
- ◆ UV protection PC lens
- ◆ High purity aluminium + die-casting aluminium
- ◆ Pure aluminium cold forging technology + anodic oxidation (increased safety)
- ◆ Double anti-lightning technology
- ◆ Microwave sensor, PIR, radar sensor, light sensor, DALI dimming, PLC intelligent dimming system, Zigbee dimming system, etc. available
- ◆ Low luminous decay LEDs: Zero decay within 3,000 hours and less than 30% after 50,000 hours
- ◆ Light and small: one module weighs only 1 kg in 150 mm × 150 mm format
- ◆ Easy replacement and maintenance of module and driver
- ◆ Widely used as flood light, high mast light, high bay, low bay, stadium light, airport light, indoor and outdoor parking lot light, courtyard light, etc.
- ◆ CE, SAA certificate (UL, ETL, VDE pending)

## 2.Application:

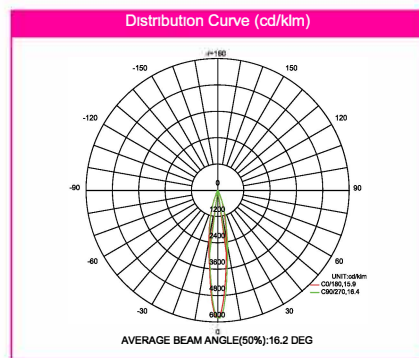


Stadium, construction, highmast, tennis court, football court plaza, airport, port, highway crossroad, theater, airport terminal, gymnasium, railway station, warehouse, parking lot, tennis court, football court, courtyard, etc.

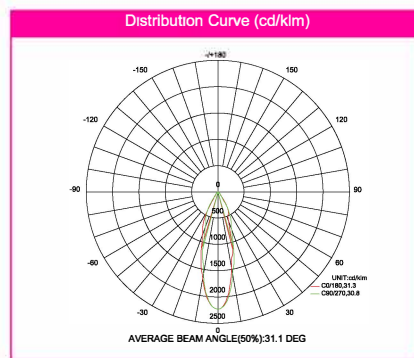
## 3.Technical Parameters

Model No.	B3-FL045080	B3-FL046160	B3-FL047240	B3-FL048320	B3-FL049480	B3-FL050640	B3-FL051720	B3-FL052800	B3-FL053880	B3-FL054960
Input voltage	100-240 VAC (120 -277 VAC)									
Hz	47-63 Hz									
Power factor	>0.95									
Efficiency	>90 %									
LED type	LUMILEDS. CREE									
System power	80 W	160 W	240 W	320 W	480 W	640 W	720 W	800 W	880 W	960 W
Luminous efficiency	105 lm/W, 125 lm/W									
CCT	3000 K, 4000 K, 5000 K, 5700 K, 6500 K 70/80									
CRI	15°, 30°, 60°, 90°, 120°									
Beam Angle										
Environment temperature	-40 °C to +50 °C working									
humidity	20-95 %RH									
IP	IP65 (IP66 optional)									
Material	high purity aluminium+ tempered glass + stainless steel									
Heat sink	pure aluminium cold forging heat sink									
Certification	CE, SAA									
Lifespan	> 50 000 h									
Anti-electric shock rate	Class I									
Product size	150×150×239	354×166×239	522×166×259	354×336×270	527×336×311	527×506×342	527×506×342	699×506×365	699×506×365	699×506×365
Weight (kg)	3.5	5.5	7.5	10.5	15.5	19.7	22.2	26.1	28.3	30.5

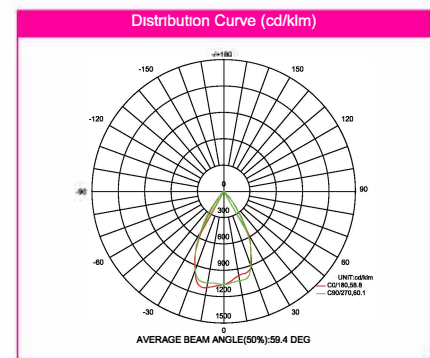
## 4.Light Distribution Curve



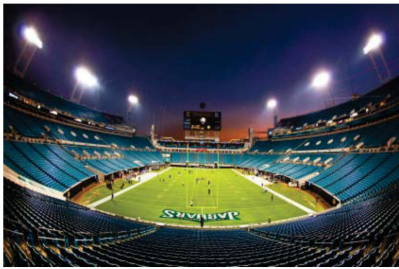
15°



30°

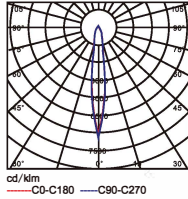


60°



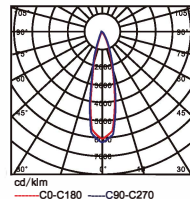
15°  Light Distribution Curve

1. High mast, construction, plaza, tennis court, football court, etc.



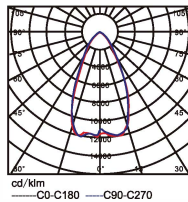
30°  Light Distribution Curve

2. plaza, airport, port, highway crossroad, etc.



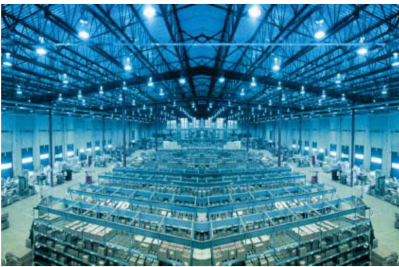
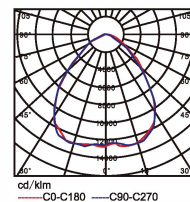
60°  Light Distribution Curve

3. Stadium, theater, etc.



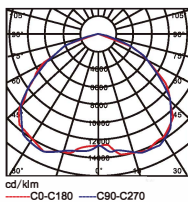
90°  Light Distribution Curve

4. Airport terminal, gymnasium, railway station, etc.

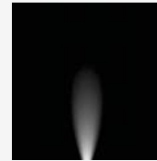
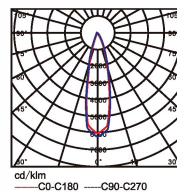
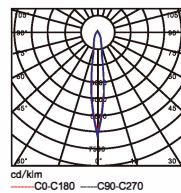


120°  Light Distribution Curve

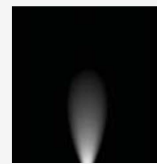
5. Warehouse, parking lot, tennis court, football court, courtyard, etc.



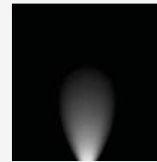
15°  + 30° 



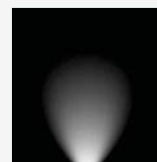
15° beam angle



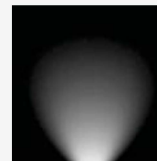
30° beam angle



60° beam angle



90° beam angle

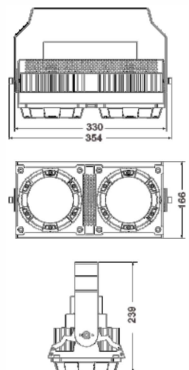


120° beam angle

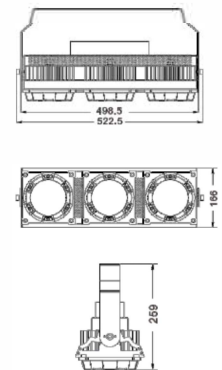
## 5.Product Dimension



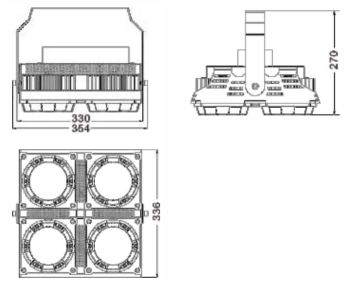
160 W 354x166x239 mm



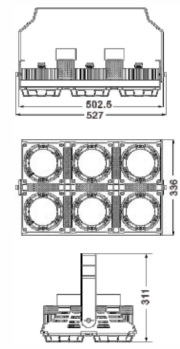
240 W 522x166x259 mm



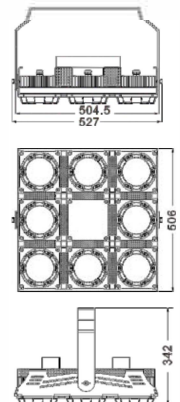
320 W 354x336x311 mm



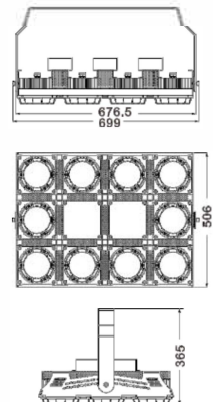
480 W 526.5x336x270 mm



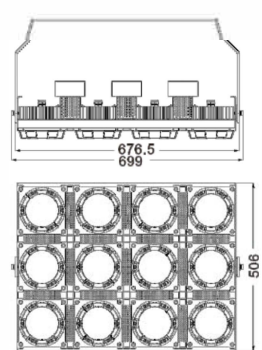
640 W 527x506x342 mm



800 W 699x506x365 mm



960 W 699x506x365 mm



## 6. Installation

Model Number	Product Size (mm)	Weight (Kg)	Rated Voltage	Frequency
B3-FL045080-XX	150×150×238.5	3.5	100-240 V, 50/60 Hz	
B3-FL046160-XX	354×166×239	5.5		
B3-FL047240-XX	522×166×259	7.5		
B3-FL048320-XX	354×336×270	10.5		
B3-FL049480-XX	527×336×311	15.5		
B3-FL050640-XX	527×506×342	19.7		
B3-FL051720-XX		22.2		
B3-FL052800-XX	699×506×367	26.1		
B3-FL053880-XX		28.3		
B3-FL054960-XX		30.5		

**01**

**02**

**03**

**04**

**05**

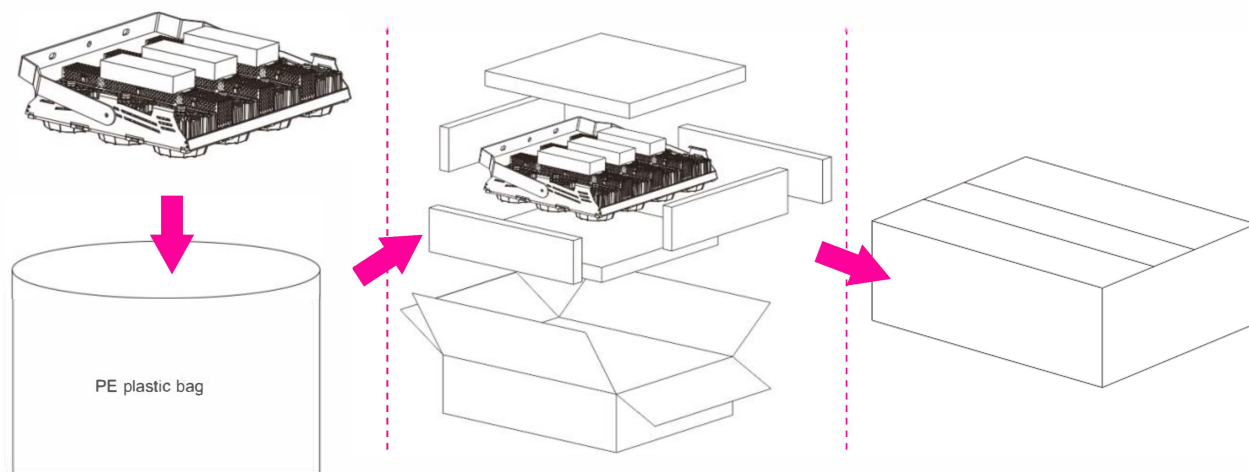
**06**

Cable  
 60227IEC53 3x1.0~1.5mm N ⊕ L  
 60245IEC57 3x1.0~1.5mm L ⊕ L

### Notes:

1. Please check the wire before connecting.
2. Please turn off the power before connecting.
3. Please connect the wire with right color show in the sketch map.
4. After the power cable connected, make sure the cable joint position and wire of lamp must be waterproofed, IP≥65
5. It is normal phenomenon that there is temperature rise on the products surface when the product is working.
6. Please kindly read the introduction carefully to avoid accident and damage. Repairing and clearing work can only be available after cutting off power.
7. Must be installed by qualified electrician. The connection way must be suitable for IEE electrical standard or national standard.
8. Please kindly use soft cloth to clear it regularly (annually) to maintain the brightness.
9. It should be stocked in the shady, dry and clear environment and the stocked temperature is -20 °C to 50 °C.

## 7.Packaging



Model No.	Single Box	N.W.(g)	G.W./ctn(kg)	Meas(mm)
B3-FL045080-XX	4	3.5	13.7	355×355×305
B3-FL046160-XX	2	5.5	13.1	365×390×305
B3-FL047240-XX	1	7.5	9.2	551×206×315
B3-FL048320-XX	1	10.5	12.8	445×400×225
B3-FL049480-XX	1	15.5	17.6	600×410×235
B3-FL050640-XX	1	19.7	22.6	610×590×245
B3-FL051720-XX	1	22.2	25.1	610×590×245
B3-FL052800-XX	1	28.3	29.2	790×600×255
B3-FL054960-XX	1	30.5	33.8	790×600×255

## 8.Matters needing attention:

- ◆ Please read the instruction manual carefully before installing the lighting fixtures.
- ◆ The disassembling and installation work are not allowed by the non-professional.
- ◆ Please check the local voltage in accordance with the product requirements before using the products.
- ◆ Before connecting the power, please ensure that the switch is off to get rid of any electric shock.
- ◆ When using, do not put the item into any enclosure as it may affect the heat dissipation when working.
- ◆ Misuse of or changes to the fixture shall nullify the guarantee.
- ◆ Turn the power off and let it cool down completely when cleaning the led fixtures.
- ◆ Please check the product carefully before installation. If any damage, please keep it in the same and good packing and advise us in a timely manner.