

## Reliable Round LED High Bay Light



△ 50W-90W  
◁ 120W-200W



**IP 65**

### Features

The BFZ series represents state of the art design for both thermal management and optical performance. The casing is in keeping with thin modern design manufactured from high thermal conductivity magnesium alloy. The light weight magnesium alloy also reduces static, vibration and inertia loads.

The printed circuit board is manufactured from the highest possible conductivity.

Carefully designed and rated cooling fins design shape ensure thermal management by natural convection.

The matching of the driver to the LED characteristics provides a genuine efficiency of 95lm/W and a very low decay of less than 3% over the first year of operation with a max 15% over 5 years.











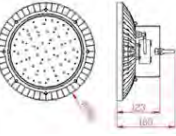
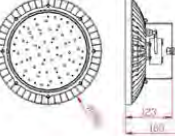
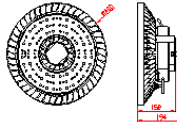
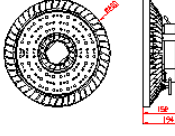
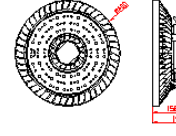
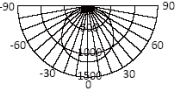

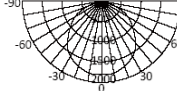
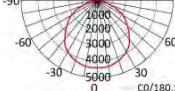
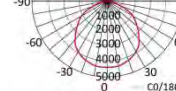
Now available in power ratings of 50W to 200W as well as angles from 30°, 60° or 100°.

Fast and easy to install using existing suspension mounting points if required.

**Applications** Outdoor or Indoor lighting for large buildings such as, factories, warehouse, workshop, airport, gymnasiums, exhibition halls, parking stations, garages, wineries, library, grocery applications, educational institutions, hospitals, supermarkets and any other building requiring high output and power saving lighting.



**Specification**

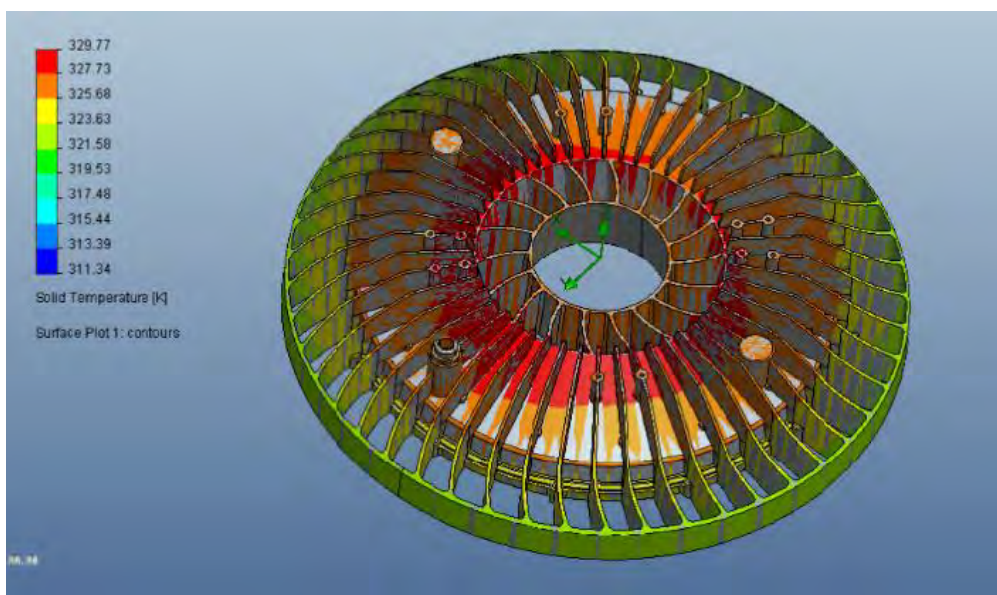
<b>PICTURE</b>					
<b>POWER</b>	50W/60W	80/90W	120W/130W	140W/150W	180W/200W
<b>LUMINOUS FLUX</b>	4500lm/5400lm	7200lm/8100lm	10800lm/11700lm	13300lm/14250lm	17100lm/19000lm
<b>INPUT VOLTAGE</b>	100-277V, 50/60Hz	100-277V, 50/60Hz	100-277V, 50/60Hz	100-277V, 50/60Hz	100-277V, 50/60Hz
<b>CCT</b>	3000-6000K	3000-6000K	3000-6000K	3000-6000K	3000-6000K
<b>BEAM ANGLE</b>	30° /60° /100°	30° /60° /100°	60° /100° 30°	30° /60° /100°	30° /60° /100°
<b>LIGHT SOURCE</b>	LG LED	LG LED	LG LED	LG LED	LG LED
<b>CRI</b>	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
<b>PF</b>	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95
<b>IP Rating</b>	IP65	IP65	IP65	IP65	IP65
<b>WORKING TEMP.</b>	-40° C~+50° C	-40° C~+50° C	-40° C~+50° C	-40° C~+50° C	-40° C~+50° C
<b>WARRANTY</b>	3-5 Years	3-5 Years	3-5 Years	3-5 Years	3-5 Years
<b>NET. WEIGHT</b>	3.1kg	3.1kg	5.1KG-5.36KG	5.1KG-5.36KG	5.1KG-5.36KG
<b>INSTALL HEIGHT</b>	6-10m	6-10m	10-30m	20-40m	20-40m
<b>REPLACING TRADITIONAL</b>	100-120W HPS 	160-200W HPS 	250-280W HPS 	300-350WHPS 	400-450W HPS 
<b>Diagram</b>	625*275*325mm 	625*275*325mm 	450*450*175mm 	450*450*175mm 	450*450*175mm 
<b>Light Distribution Curve</b>					

## Advantages

1. The lowest total cost solution for good quality and reliable high power LED lights.
2. Industry-leading thermal management
3. Operating temperature range: from below 40 Celsius degree to 50 Celsius degree.
4. The LED high bay contain no any mercury or lead, no UV rays.
5. Directional light means good easy lighting design with no light pollution, dark sky compliance.
6. Higher luminous efficacy compared to similar models of others.
7. Uniformly distributed light and color, very even light distribution and high uniformity
8. Lighter and thinner compared to similar models (lower transport costs )
9. Reduce energy costs up to 90% compared to traditional lamps
10. Able to be operated in high temperature and moist environments.
11. 3-5 years warranty and long life expectancy, reduce maintenance costs up to 90%

**Parts are available so that they can be refurbished and not discarded at the end of the service life**

## Fixture heat dissipation simulation



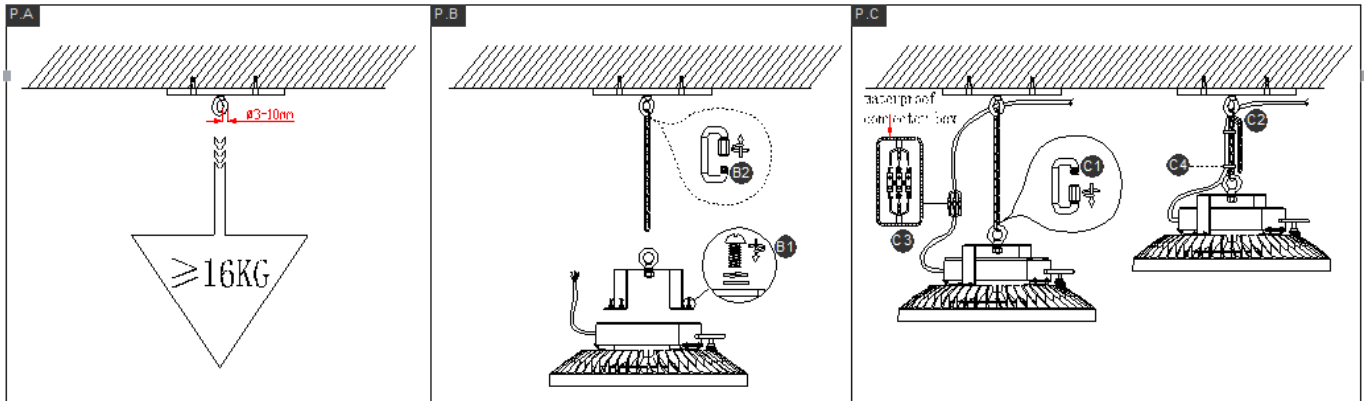
### Good quality makes perfect

Good heat sink  
+  
High efficiency  
+  
Anti-corrosion  
+  
IP 65 waterproof  
+  
Dust-proof  
+  
Reliable driver



Long lifespan  
+  
Energy saving  
+  
Lower cost

## Installation Instruction (Mounting type)



1. Install the hook/ in the desired location ( 3-10 mm diameter ) Ensure it has a holding capacity of 16 kg and it secured using the correct fixings as shown in figure A.
2. Take the hanger and screw fittings out of the box and install it on the LED body, see figure B1; Take out the chain hoist, then spin out the first link lock nut at one end and hang on the hook , last lock the lock nut as picture shown in figure B1.
3. Spin out the first link lock nut at one end and hang on the hook , then lock the lock nut as picture , as show in figure C1 ; Buckle the first ring of the chain hoist at one end inside one ring of the link if you need to adjust the height , as shown in figure C2;
4. Cut the 3 core wire to the suitable length and terminate using suitable connectors . Brown (L) , Blue wire (N) and "yellow green line earth terminal (E ) . Use if installed exposed to the weather use waterproof junction box IP65 for terminations.( Customer is responsible for match the terminal and waterproof connector ) as shown in figure B3 ; secure the cable to the chain with suitable cable ties as shown in figure C4.

### Packing Details

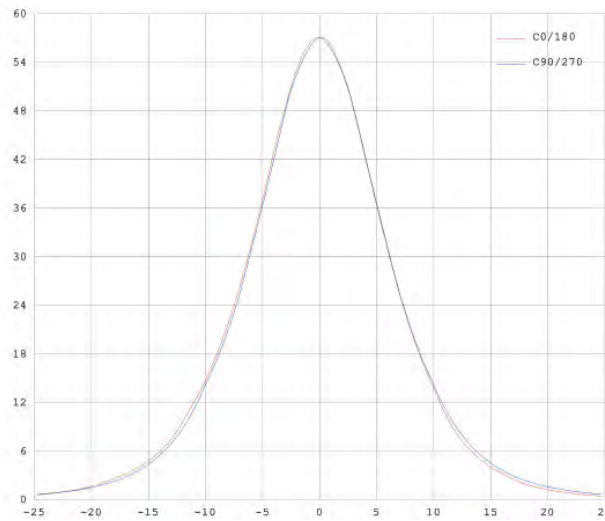
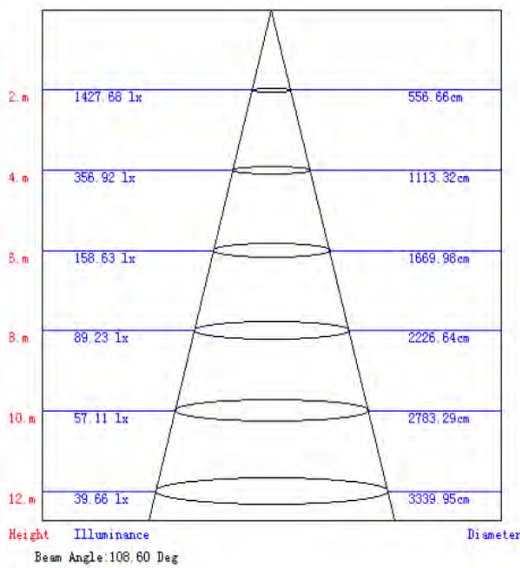
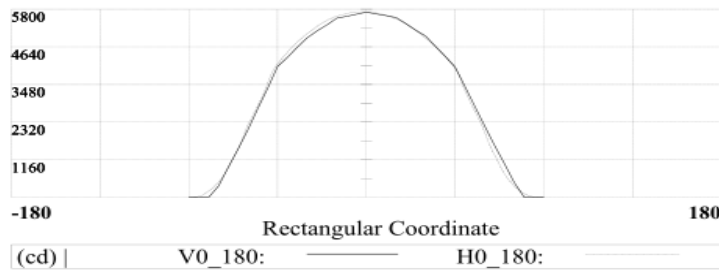
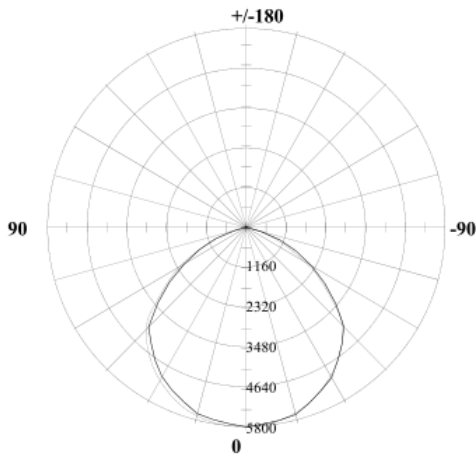
Inside are product and accessories: 1 light fixture, one chain hoist with rings, product user manual.





## Light Distribution Curve ( Unit: cd )

Photometric Parameters			
Luminaire Flux	14782.08 lm	Luminaire Eff.	99.66%
Max Intensity	5710.73cd	Central Intensity	5710.29cd
Angle of Max Intensity:	V:-1 H:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	99.66%		
50%Imax Beam Width	V0: 108.6Deg [-54.08,54.52] H0: 108.2Deg [-54.82,53.33]		





## User Instruction

### TRANSPORTATION & STORAGE:

- During transportation, severe mechanical impact should be avoided. The fixture should not be placed upside down. Do not throw, roll or subject it to high compression.
- Storage warehouse should be dry, clean and dry, Ambient temperature should be around 0-40°C. Keep away from fire, corrosive chemicals and heat sources.

### OPENING PACKAGE AND INSPECTION:

- Before you open the package, check for any visible damage to the carton. After opening the carton, please check the enclosed technical data sheet such as User Manual etc. and confirm all the accessories are in good condition.

### DO'S AND DON'TS:

- 1) Read the Instruction carefully before using the product.
- 2) Before installation, make sure the fixture and all accessory are perfect condition without damage.
- 3) Before installation ensure the power is disconnected do not work live.
- 4) Handle with care and make sure wiring is correct and installed in accordance with local legislation.
- 5) To assure LED module lifespan refer to supplier for replacement parts availability.
- 6) Check the earth continuity back to the supply before and after installation.
- 7) Do not attempt repair, it must be returned to authorized supplier
- 8) After installation, ensure all mechanical and electrical connections are tight and secure.

### Common faults and solution

- If the fixture doesn't work, whether the power supply is connected and the switch is turned on.
- If the fixture flicks on and off, check whether the power supply connections are not loose

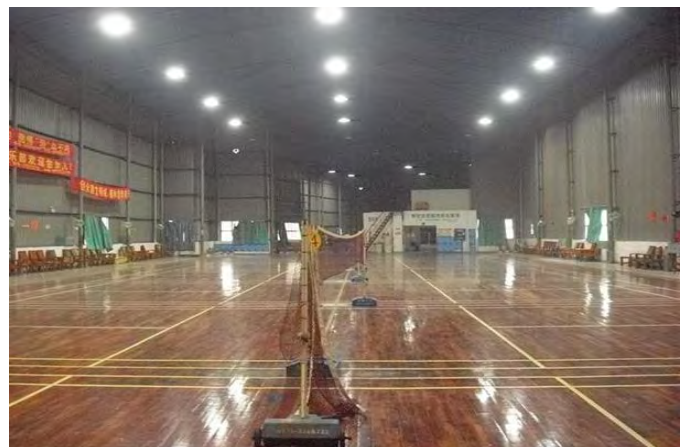
**Notice:** if the solutions above still don't work, please contact the supplier for advice or repair/replace



## Lighting Projects



Australian warehouse





# Advanced Optronics Devices Australia

Unit 4/30 Park Road, Mulgrave, NSW 2756, Australia

TECHNICAL DATA SHEET

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