

球场灯规格书

PRODUCT SPECIFICATION

用户手册



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1.灯具介绍 Lighting Fixture Introduction

- 采用全固态封装器件，无易损件，超长的使用寿命。

The lighting fixture uses fully encapsulated solid-state components, with no vulnerable parts, ensuring an exceptionally long service life.

- 取消了电源，减少了驱动发热和 LED 热源的叠加，同时增加了温度保护功能，使 LED 的工作处于最佳工作状态，最大限度降低 LED 光源光衰的同时还有效保障了色漂移。同步增加了温度保护功能，在突变异常的环境中起到了保护 LED 灯具的作用。

The power supply has been eliminated, reducing the heat generated by the driver and the LED source. Additionally, a temperature protection feature has been added, keeping the LED in optimal working conditions. This minimizes light degradation and effectively prevents color drift. The integrated temperature protection function also safeguards the LED fixture in case of sudden environmental changes.

- 采用高密度 COB 光源封装加玻璃光学透镜，增加了有效光利用率同时杜绝因光学透镜引发的灯具的光衰。

The high-density COB light source is paired with a glass optical lens, increasing the effective light utilization and preventing light degradation caused by optical lens issues.

- 高气密性的单腔体光源密封加无机玻璃，有效保护光源同时适应更多的户外不良环境。如盐雾，沙尘，高湿度等恶劣环境。

The high airtightness single-chamber light source seal, combined with inorganic glass, offers effective protection for the light source and enhances its ability to withstand harsh outdoor environments such as salt spray, dust, and high humidity.

- 无频闪、无水纹波，完美满足各大运动体育赛事直播拍摄需求

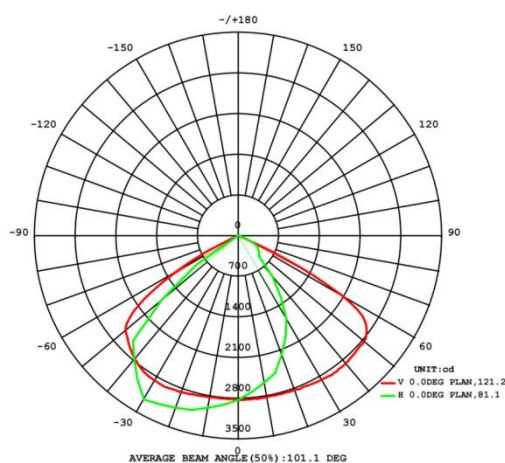
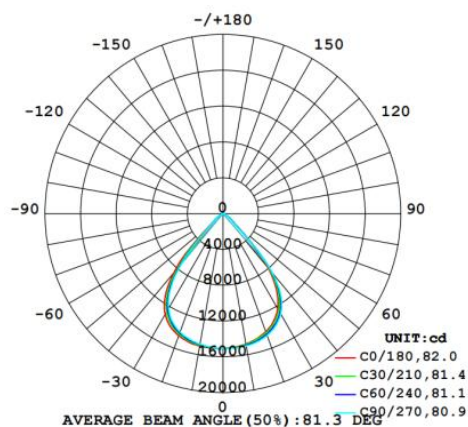
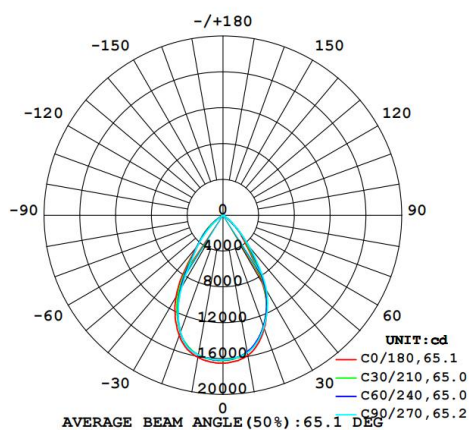
The fixture features no flicker and no water ripple, making it ideal for live broadcasts and filming of major sports events.

2、使用场景 Application Scenarios

适用于足球场、篮球场、网球场、棒球场、田径场、高尔夫球场、多功能运动场及室内体育馆等场地，提供均匀、高亮度、低眩光的照明，满足不同运动的专业需求。

This lighting fixture is suitable for sports venues such as football fields, basketball courts, tennis courts, baseball fields, athletic tracks, golf courses, multifunctional sports fields, and indoor sports halls. It provides uniform, high-brightness, low-glare illumination that meets the specific lighting requirements of different sports.

3、配光曲线图 Light Distribution Curve



8. 照明产品参数指标 Lighting Product Parameter Specifications

Model	TG11-100W	TG11-200W	TG11-400W
Rated Power	100W	200W	400W
Product Dimensions	200mm (L) * 122mm (W) * 122mm (H)	255mm (L) * 235mm (W) * 180mm (H)	380mm (L) * 380mm (W) * 280mm (H)
Product Weight	2.53kg	5.45kg	11.0kg
Total Luminous Flux	12000LM	24000LM	48000LM
Power Supply	Customized three-phase balanced isolated DC smart centralized power supply (COB reverse-engineered)		
Light Source	Bridgelux (USA)		
Light Source Lifespan	100,000 hours		
Number of Light Sources	1		
Over-Temperature Protection	Reduces power when TC point temperature exceeds 105°C, minimum power ≈10%		
Light Source Output Flicker	Light Source Output Flicker: Flicker-free, no water ripple, suitable for live sports broadcasting.		
Color Rendering Index (CRI)	Ra > 70 (Ra70-97 customizable)		
Luminous Flux Maintenance	>90% after 5 years		
Color Temperature	3000-6500K		
Beam Angle	30° / 60° / 90° / 120° / 80*120°		
Optical Material	High borosilicate optical glass		
Protection Rating	IP67		
Design Lifespan	> 50,000 hours		
Heat Dissipation Technology	Phase-change heat pipe, aviation-grade extruded aluminum		
Power Cable	30.75mm ² 0.25M rubber cable		
Housing Material	6063 primary extruded aluminum		
Electrical Safety Class	Class I		
Operating Temperature	-40~+60°C		
LED Junction Temperature	≤110°C		
Fixture Design Lifespan	30,000-50,000 hours (depends on ambient temperature and usage scenarios)		
Warranty Period	5 years for fixtures		