

FOS PROFILE LED 200W 25/50

Photometric Diagram



1 Advantage Parameter:

- ✓ The completely new and large aspherical glass lens with diameter of $\Phi=165\text{mm}$ have been specially treated with anti-reflective coating. With high processing requirement, the image quality has been greatly improved and blue edge of spot is less than 2mm. The spot is even and excellent. The image is perfect.
- ✓ With high security standards and enhanced design and technology, it has passed security authentication of the United States UL and the European CE.

2 Characteristics:

- Adopting many international advanced technologies, this unit has the advantage of bright and shining light, no color temperature drift, low light decay, extra low noise, high energy efficiency and electrical safety. The unit is mainly used in TV studios, theaters, conference system and multi-functional halls, etc which have high requirements for all aspects.

- We use imported high-power COB with international famous brand as the light source, with the features of high brightness, accurate color temperature, low light decay, high CRI, low energy consumption and long service life (approx. 50000 hours). Color temperature is 3000K/5700K optional. CRI is $Ra > 90$.
- LED drive program uses anti interference processor with high stability and adopts PFM constant currency technology. Comparing with traditional technology of PWM, PFM is with the features of small ripple voltage, stable switching frequency, long service life, high conversion efficiency, less heat. Its power supply efficiency reaches as high as 92%, and power factor reaches 0.98.
- Built-in digital ultra-low noise intelligent air-cooling system ensures a good heat dissipation.
- Build-in DMX512 control mode and PFM digital dimming system are equipped to achieve 0~100% dimmable light.
- The beam angle is 25~50°, with advantage of even spot and good imaging effect.
- The light body is molded with high tensile molding aluminum which makes it light and elegant.
- LCD screen has straightforward and simple operation interface. The software can be upgraded as required.

3 Technical data:

1) Illumination:

| Distance (m) | 5 | 10 | 15 | 20 |
|----------------------|------|------|------|------|
| Diameter of Spot (m) | 2.65 | 4.66 | 7.95 | 10.6 |
| Central Lux 3000k | 866 | 230 | 130 | 85 |
| Central Lux 5500k | 1470 | 510 | 260 | 175 |

| | | | | |
|----------------------|------|------|------|------|
| 25° | | | | |
| 50° | | | | |
| Diameter of Spot (m) | 5.55 | 10.7 | 16.1 | 21.5 |
| Central Lux 3000k | 378 | 95 | 80 | 40 |
| Central Lux 5500k | 400 | 152 | 90 | 65 |

2) Specification:

| Item | PH-LED2550N |
|---------------------|-------------------------------------|
| Rated Voltage | AC100V-240V |
| Frequency | 50Hz/60Hz |
| Rated Power | 200W |
| Luminance Flux | 22000 lm |
| Color Temperature | 3000K/5700K optional |
| Beam Angle | 25°~50° adjustable |
| LED Source | Imported High-power COB |
| IP Rating | IP20 |
| Service Life | Over 50000hrs (when LED P-N T≤70°C) |
| Working Temperature | — 10°C~+40°C |
| Max Temperature | 60°C |
| Measurement(L×W×H) | 650*344*393(mm) |
| Data Connection | 5PIN needle/hole type socket |
| Net Weight | 9.4KG |

*The data above is for reference only, please take actual subject as standard.