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EC2A 4AP

## Spec Sheet ASTON LED

### High Bay

MNC10



# Introduction



MNC10 is a high-quality LED Sport Light with high luminous efficacy (150lm/w), flexible solution to cover medium and large stadium lighting projects. With a reliable and robust housing structure (IP66), and its innovative design this maximizes the endurance and contributes to its long lifetime. The modular design support single LED module tilt adjustable, to achieve precise lighting performance. With special materials and surface treatment, MNC10 offer excellent anti-corrosion ability, it is a good choice for swimming pools Different models in wattage (400W, 480W, 600W, 960W, 1200W, 1500W, 1800W), and various lumens package.

## Features

1. LED service life: 190,000 hours @L70 & 25°C.
2. 5 year warranty
3. Optional: Intelligent Lighting Control
4. No backlight, no up-light and no spill light
5. IP and IK rating: IP66 / IK08
6. Excellent anti-corrosion performance.
7. Category of corrosion: C4 (ISO 9223)
8. High efficacy up to 150 lm/w.
9. Modular design.
10. Professional and unique optics options could effectively control glare and ensure the good uniformity.
11. Remote gearbox solutions.
12. Effective thermal management.
13. Provided with 20KV surge protection devices.

## Applications

- Square
- Outdoor stadium
- Soccer Field
- Swimming pool
- Airport
- Railway station
- Exhibition center

## Certifications



## Technical Specifications

|                               |  |              |             |             |
|-------------------------------|--|--------------|-------------|-------------|
| <b>Model No.</b>              | MNC10 - 400  | MNC10 - 480  | MNC10 - 600 | OXF10 - 800 |
| <b>Power Consumption</b>      | 400W   | 480W         | 600W        | 800W        |
| <b>Luminous Flux (± 5%)</b>   | 60,000 lm  | 72,000 lm    | 90,000 lm   | 120,000 lm  |
| <b>Efficacy (5000K, Ra70)</b> | 150 lm/w   |              |             |             |
| <b>CCT</b>                    | 5,000 K  |              |             |             |
| <b>CRI</b>                    | Ra70   |              |             |             |
| <b>Protection</b>             | IP66/IK08  |              |             |             |
| <b>Input Voltage</b>          | 120-240V/180-440VAC  |              |             |             |
| <b>Power Factor</b>           | > 0.97   |              |             |             |
| <b>Surge protection</b>       | 10kV line-line, 20kV line-earth                            |              |             |             |
| <b>Product dimension (mm)</b> | 479x250x185  | 479x266x185  | 479x283x185 | 510x429x232 |
| <b>Luminaire Net Weight</b>   | 10.6±0.3kg   | 11.1 ± 0.3kg | 12.5±0.3kg  | 22.2±0.3kg  |
| <b>Material</b>               | Aluminum Alloy, Polycarbonate Optical Lens and glass cover |              |             |             |
| <b>Mounting Option</b>        | Bracket Mounting   |              |             |             |
| <b>Operating Temperature</b>  | -30°C to 50°C  |              |             |             |
| <b>Life Time</b>              | > 190,000 Hrs  |              |             |             |
| <b>Intelligent Control</b>    | DALI / DMX   |              |             |             |

|                               |  |             |             |             |
|-------------------------------|--|-------------|-------------|-------------|
| <b>Model No.</b>              | MNC10 - 960  | MNC10 – 1K2 | MNC10 – 1K5 | OXF10 – 1K8 |
| <b>Power Consumption</b>      | 960W   | 1200W       | 1500W       | 1800W       |
| <b>Luminous Flux (± 5%)</b>   | 134,400 lm   | 168,000 lm  | 210,000 lm  | 252,000 lm  |
| <b>Efficacy (5000K, Ra70)</b> | 150 lm/w   |             |             |             |
| <b>CCT</b>                    | 5,000 K  |             |             |             |
| <b>CRI</b>                    | Ra70   |             |             |             |
| <b>Protection</b>             | IP66/IK08  |             |             |             |
| <b>Input Voltage</b>          | 120-240V/180-440VAC  |             |             |             |
| <b>Power Factor</b>           | > 0.97   |             |             |             |
| <b>Surge protection</b>       | 10kV line-line, 20kV line-earth                            |             |             |             |
| <b>Product dimension (mm)</b> | 510x527x298  | 510x560x298 | 515x777x310 | 515x833x310 |
| <b>Luminaire Net Weight</b>   | 26.4 ±0.3kg  | 29 ± 0.3kg  | 35.1 ±0.3kg | 38.4 ±0.3kg |
| <b>Material</b>               | Aluminum Alloy, Polycarbonate Optical Lens and glass cover |             |             |             |
| <b>Mounting Option</b>        | Bracket Mounting   |             |             |             |
| <b>Operating Temperature</b>  | -30°C to 50°C  |             |             |             |
| <b>Life Time</b>              | > 190,000 Hrs  |             |             |             |
| <b>Intelligent Control</b>    | DALI / DMX   |             |             |             |