

LED Floodlight 600W | CORE MAX | Philips Xitanium Driver DIM 1-10V | SMD5050 BRIDGELUX | Class I | No flicker



Product code:

Reference: MDPHL600W-91037

Technical specifications:

REFERENCE: MDPHL600W-91037
Rated Power : 600W
Nominal Voltage: 85-305V.
Colour: 5000K -5500K
CRI - Chromatic Rendiment Index: 70
Construction Material: Aluminium
Luminosity-Lm: 124200 Lm
Beam Angle (°): 20° - 40° - 90°
Luminous diodo LED (Lm/W): 220 Lm/W
Luminous Efficiency (Lm/W): 207 Lm/W
Certifications: CE, CMIM, RoHS
IP : IP65-Outdoor
Diode Life Expectancy (H): 50.000
Power Factor (PF): 0,98
Temperature Range (°C): -20°C ~ +55°C
On/Off Cycles: 100.000
Starting Time (s): 0,2s
Impact Protection (IK) : IK10
Energy Rating (2021-UE-2019/2015): A
Energy Rating (2023 - UE-2019/2015): A
Energy Rating (2023 - UE-2019/2015): D
Warranty Years: 5

Product short description:

CORE MAX 600W LED Floodlight with dimmable Philips Xitanium 1-10V driver (optional DALI), aluminum body, and high-performance BRIDGELUX SMD5050 chips (220 lm/W). Modular design optimizing heat dissipation and light output, available with 20°, 40°, or 90° beam angles for long distances. Flicker free, 10 kV surge protection. Ideal for stadiums, ports, and high towers.

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The CORE MAX 600W modular LED floodlight is designed to deliver maximum luminous performance in demanding applications. Comprising two independent 300W modules, it incorporates the prestigious Philips Xitanium 1-10V dimmable driver (optional DALI) and high-performance BRIDGELUX SMD 5050/8W/24V chip technology, achieving an efficiency of 220 lm/W. This modular design not only optimises thermal dissipation but also maximises light output, adapting to various configurations and requirements.

Available with beam angles of 20°, 40°, and 90°, the CORE MAX ensures precise lighting for both long distances and wide areas. Its flicker-free technology eliminates light flicker, ensuring constant and comfortable illumination, while the 10kV surge protection provides safety and reliability even in demanding electrical environments.

Constructed entirely from high-quality 6063 aluminium, this floodlight combines strength, lightness, and excellent thermal conductivity, ensuring efficient heat dissipation and extending LED component lifespan. 6063 aluminium is also highly corrosion-resistant, making it ideal for outdoor use or in humid or saline environments such as ports and maritime areas.

The surface is treated with oven-baked anti-corrosion paint, forming a protective layer that resists scratches, impacts, and oxidation. This finish not only prolongs the equipment's durability but also makes it easy to clean and maintain, preserving the floodlight's appearance throughout its lifetime.

With advanced LED technology, the CORE MAX achieves up to 80% energy savings compared to conventional solutions, significantly reducing operating costs. Backed by a 5-year warranty, this floodlight is a safe and long-lasting investment.

Recommended uses and applications:

- Stadium and sports facility lighting: power and uniformity for professional events.
- Port and maritime areas: corrosion resistance and long-range illumination.
- High towers and parking facilities: reliable, safe lighting over long distances.
- Industrial and logistics facilities: consistent performance in demanding environments.

Technical Datasheet

With the CORE MAX 600W LED floodlight, precision engineering, high-quality materials, and energy efficiency combine to deliver a robust, durable, and highly profitable lighting solution for the most ambitious projects.

At FactorLED we ensure that our products have a QUALITY guarantee and offer all the necessary elements for DISTRIBUTION, IMPORT or WHOLESALE, including the technical data sheet for each LED product.

Additional images:

