

240W MATRIX LED Floodlight Bridgelux chip XITANIUM driver 38400Lm

Product codes:

Reference: 0000M240W



Product features:

Power (W): 240
Power source (V): 85-265V
Color temperature CCT: 5000K
LED: SMD5050
LED chip brand: BRIDGELUX
Luminous efficacy (Lm/W): 240
Brightness (Lm): 38400
CRI: +70
Colour: Black
IP: IP65
IK: IK10
Luminous angle: 20°
Luminous angle: 40°
Luminous angle: 90°
Frequency (Hz): 50-60Hz
Power factor: 0.94
Measures (mm): 300x250x330mm
Material: Aluminum + PC
Driver: Philips XITANIUM
Operating temperature: -20°C ~ +55°C
Energy efficiency 2021: A+
Energy efficiency 2023: C
Lifespan: 50.000h
Warranty: 5 años

Product attributes:

Color temperature CCT (°K): Cool white 5000K
Óptica: 20°, 40°, 90°

Product description:

240W MATRIX LED Floodlight with Bridgelux Chip - 240Lm/W

The **240W MATRIX LED Floodlight** is a high-power lighting solution designed to effectively illuminate large spaces. This floodlight consists of **2 modules of 120W** each, powered by a high-quality **PHILIPS XITANIUM Driver**, ensuring superior performance and exceptional durability. If higher power is required, the modules can be purchased in pairs, allowing for configurations of **240W, 480W, up to 960W**, adapting to the project needs.

The floodlight also includes the driver mounting plate and adjustable arm, allowing it to be fixed to the desired surface and the light directed where needed.

High-Efficiency Bridgelux Chip and Concentrator Lens

The **MATRIX LED Floodlight** stands out for using **SMD 5050 chips with 12 cores** featuring **Bridgelux (USA)** technology, offering an efficiency of **240Lm/W**, ideal for covering large areas with powerful and uniform lighting. Thanks to its various optics using a **concentrator lens**, the floodlight is available with different beam angles: **20°, 40°, and 90°**, ensuring that the light is focused exactly where needed, reaching the required lux levels for any application.

Lightweight and Durable 6063 Aluminum Construction

Made from **6063 aluminum**, both in the casing and handles, the **240W MATRIX LED Floodlight** is lightweight, making it easy to transport and install, even at great heights. Additionally, its **anti-corrosive paint** provides excellent durability, resisting all weather conditions and reducing saline oxidation, making it ideal for outdoor installations in demanding environments.

With the latest LED technology, this floodlight guarantees energy savings of up to **80%** compared to conventional lighting systems, without compromising on lighting quality.

Technical Specifications of the 240W MATRIX LED Floodlight

- **Power:** 240W (2 modules of 120W each)
- **Luminous Flux:** 38,400 lumens
- **LED Chip Efficiency:** 240Lm/W
- **LED Chip:** BRIDGELUX SMD 5050 with 12 cores
- **Beam Angle:** 20°, 40°, 90°
- **Material:** 6063 aluminum with anti-corrosive paint
- **Dimensions:** 300x250x330mm
- **Power Factor:** 0.94
- **Protection Rating:** IK10 (impact resistance)
- **Color Rendering Index (CRI):** CRI>70
- **Warranty:** 5 years

Applications of the 240W MATRIX LED Floodlight

The **240W MATRIX LED Floodlight** is designed to illuminate large outdoor and industrial spaces. Thanks to its high power and multiple lens options, it is perfect for:

- **Port Areas:** Efficient lighting for port and logistics areas.
- **Large Parking Areas:** Uniform coverage with no shadows.
- **Football Fields:** Provides clear and powerful light to illuminate sports areas.
- **Sports Stadiums:** Ensures optimal visibility for large-scale events.
- **Airports:** Precise and efficient lighting for runways and maneuvering areas.
- **Large Warehouses:** Ensures complete and safe lighting in storage areas.
- **Production Factories:** Powerful lighting for industrial production areas.

Product gallery:

