

1200W LED Floodlight PHILIPS Xitanium - CORE MAX- 150Lm/W- CLASS A - No flick



Product code:

Reference: MDPHL1200W

Technical specifications:

REFERENCE: MDPHL600W-91037
Rated Power : 1200W
Nominal Voltage: 85-305V.
Colour: 5000K -5500K
CRI - Chromatic Rendiment Index: 70
Construction Material: Aluminium+PC
Luminosity-Lm: 180000 Lm
Number & Type of LEDs: SMD 5050/8W/24V BRIDGELUX CHIP
Beam Angle (°): 20° - 40° - 90°
Luminous diodo LED (Lm/W): 220 Lm/W
Luminous Efficiency (Lm/W): 150 Lm/W
Certifications: CE - ROHS
IP : IP65-Outdoor
Diode Life Expectancy (H): 50.000
Dimensions (mm): 565x405x165mm
Power Factor (PF): 0,95
Frequency (Hz): 47/63Hz
Temperature Range (°C): -20°C ~ +55°C
On/Off Cycles: 100.000
Starting Time (s): 0,2s
Impact Protection (IK) : IK10
Driver included: Philips Xitanium LITE Prog LED drivers Independent Xi LP 320W 0.7-2.1A S1 WL AUX I230
Energy Rating (2021-UE-2019/2015): A++
Energy Rating (2023 - UE-2019/2015): A
Warranty Years: 5

Product short description:

CORE MAX LED XITANIUM PHILIPS aluminium CORE MAX **floodlight 1200W** with SMD 5050/8W/24V with **BRIDGELUX Chip** (USA); with this a great performance is achieved due to its modular design. This **IP65 floodlight** including Philips Xitanium is designed to reach long distances thanks to its angle.

Perfect for **sports stadiums**, harbour areas, high rise towers and car parks. Delivers 150Lm/W. Energy Class A. 1-10V-DALI

Product description:

PHILIPS Xitanium 1200W LED Floodlight - CORE MAX- 150Lm/W- CLASS A

The technical specifications of this type of 1200W **LED floodlight** (300W each module) make it a spotlight capable of effectively illuminating any space at great distances without reducing its luminosity.

The **CORE MAX sports floodlight** is composed of 4 modules of 300w and **PHILIPS XITANIUM Driver** to power them.

Our professional LED floodlight is Modular:

Modular lighting allows users to create a bespoke lighting system by combining different lighting modules or lighting blocks that can be adjusted as required. Each lighting module can have its own power supply and control, allowing greater control over intensity, colour and light output. It is also possible to combine different types of projector opening angles to achieve the desired effect.

PHILIPS ADJUSTABLE DRIVER: Xitanium LITE Prog LED drivers Independent Xi LP 320W 0.7-2.1A S1 WL AUX I230; Advantages:

- SimpleSet®, wireless configuration interface.
- High surge protection: 10K.
- Configurable operating windows (AOC).
- External control interface (1-10V) available.
- Digital Configuration Interface (DCI) via MultiOne® Interface
- Stand-alone or fixed time based dimming (FTBD) via the integrated 5-step DynaDimmer
- Programmable Constant Light Output (CLO)
- Integrated temperature protection of the LED driver
- Long lifetime and robust protection against humidity, vibration and temperature

Technical Datasheet

1. Philips SimpleSet is a wireless configuration interface developed by Philips to facilitate the configuration of lighting products. With SimpleSet , users can wirelessly configure and control a wide range of lighting devices, including fixtures and controllers. The interface is easy to use and allows users to easily customize lighting settings to meet their specific needs. SimpleSet supports a variety of wireless communication protocols, allowing for easy integration with other lighting devices and systems.
2. The driver incorporates 10K Network Surge Immunity. Mains surge immunity is important to ensure the reliability and durability of lighting products, especially in environments with frequent or severe voltage fluctuations.
3. Philips Configurable Operating Windows (AOC) is a feature that allows users to configure the operating windows of a lighting fixture to suit the specific needs of their application. Windows of operation refer to the ranges of input values (for example, voltage or current) that a lighting fixture can accept in order to function properly. By configuring the operating windows, users can adjust the behavior of the luminaire or lighting controller to suit specific conditions in their environment, such as changes in supply voltage. The AOC feature allows users to custom define these input ranges to tailor the behavior of the luminaire or lighting controller to their specific needs. This may include settings to limit power consumption, reduce heat output, or improve light quality.
4. Philips External Control Interface (1-10V) is a type of interface that allows external control of a lighting device, such as an LED fixture or lighting controller, via an analog 1-10 volt signal. This interface is commonly used in lighting control applications such as lighting systems in commercial, industrial, and residential buildings. The 1-10V signal is an analog signal that can be generated by an external lighting controller, switch, or sensor, and then sent to a lighting fixture to control its brightness level. A voltage of 1V generally indicates the minimum light level, while a voltage of 10V indicates the maximum light level. The analog signal can be modified to adjust the intensity of the light at any intermediate level.
5. Philips Digital Configuration Interface (DCI) via MultiOne Interface is a digital configuration method for Philips lighting fixtures that allows for more advanced and precise lighting programming. The MultiOne Interface is a lighting control system that allows control of multiple LED luminaires and other lighting devices, and the Digital Configuration Interface (DCI) is a function that is integrated into this system. The Digital Configuration Interface (DCI) allows detailed programming of various luminaire parameters such as light level, dimming duration, sensor configuration, and other settings. These parameters can be adjusted remotely and in real time using the MultiOne Interface , allowing greater flexibility and control in lighting a space. Using the Digital Configuration Interface (DCI) through the MultiOne Interface is especially useful in complex lighting applications such as commercial buildings, hospitals, factories, and other environments that require precise and flexible lighting control. With this interface, you can create custom lighting scenarios, schedule on/off times, adjust brightness in real time, and make other advanced adjustments to optimize light usage and reduce power consumption.
6. Philips Fixed Time Based or Autonomous Dimming (FTBD) via built-in 5-step DynaDimmer (Sensor Light Dimmer) is a lighting control technology developed by Philips Lighting to enable energy savings and extend lamp life . FTBD technology uses a dimming system that automatically adjusts light intensity based on the time of day and the amount of natural light available in the environment. The system uses an integrated light sensor that measures the amount of daylight and adjusts the intensity of artificial light accordingly, enabling energy savings and greater visual comfort. In short, the use of the sensor together with the Philips driver is a lighting control technology that uses an automatic dimming system and a manual control device to adjust the light intensity based on the time of day and the amount of light. natural light available.
7. Constant Programmable Light Output (CLO) is a lighting control technology developed by Philips Lighting to ensure that the lighting in a space remains constant throughout the life of the lamps, regardless of wear and tear over time. CLO technology uses an algorithm that automatically adjusts the power of the lamps as they wear out, so the light output remains constant over time. This is accomplished by programming the lighting control equipment to set the lamp power to a higher level early in its life and then gradually decrease as the lamp wears, thus maintaining a constant light output . CLO technology is commonly used in applications where constant lighting is required, such as office and commercial buildings, museums, shopping malls, and other large facilities.
8. Integrated LED driver temperature protection is a technology used in Philips Lighting lighting drivers to ensure that the driver's electronics are not damaged due to high temperature. This is accomplished by reducing the power output to keep the temperature within a safe range. In short, Philips Integrated Controller Temperature Protection is a lighting control technology that detects and prevents lighting controllers from overheating, which can cause damage to electronic components and reduce their lifespan.
9. Reliability: Moisture protection technology ensures that the driver is protected against moisture ingress into the electronic components, which can cause short circuits and failure. Vibration protection ensures that the driver is protected against mechanical vibrations that can damage internal components, while temperature fluctuation protection ensures that the driver can function properly even in extreme temperature environments. In summary, the Philips Long Life Driver with Robust Moisture, Vibration and Temperature Protection is a lighting control device that is designed to withstand harsh conditions and provide long life and high reliability in LED lighting systems.

(USA) chip that provides the efficiency and reliability that any type of **outdoor or sports lighting market demands**.

We cover your needs according to the opening angle of the lenses:

- Thanks to its **concentrating lens with 40° angle** , the necessary Luxes are achieved where they are needed.
- If what is required is a **greater amplitude** in the distribution of the lumens, you have a lens with an **opening degree of 90°**.

With its high power 5050 diode, a **diode efficiency of 220Lm/w is achieved** , covering all user needs.

Its manufacture has been made with 100% **Aluminum 6063**. Aluminum 6063 has advantages over other types of aluminum alloys:

1. 6063 aluminum is resistant to corrosion, making it ideal for use in outdoor applications or in humid or corrosive environments.
2. 6063 aluminum has high thermal conductivity, making it ideal for use in lighting and electronics applications where effective heat dissipation is required.
3. 6063 aluminum is easy to machine and weld, allowing for the manufacture of precise and complex parts.
4. 6063 aluminum is a lightweight yet strong material, making it ideal for applications that require high strength and stiffness without adding additional weight.

In addition , its paint is anticorrosive, so it has a long duration and reduces all types of oxidation. Its application on aluminum has been carried out in the oven, which has advantages:

1. Provides a layer of protection against corrosion, helping to extend the life of the metal.
2. It forms a hard layer that resists scratches and impacts, helping to maintain the aesthetic appearance of the metal.
3. It is easy to clean and maintain, helping to maintain the appearance of metal throughout the life of the LED luminaire.

With all its LED technology and the latest market innovations, it achieves savings of up to 80% in energy consumption. It has a **5-year warranty**.

Uses of the 1200W PHILIPS Xitanium LED Floodlight - CORE MAX- 150Lm/W- CLASS A:

- Port Zones
- Large parking areas
- Football fields
- sports stadiums
- airports
- Department store
- production factories
- events
- Advertising
- Emergency light

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Additional images:

Notice: Product subject to change without prior notice. Ensure to use the most recent technical datasheet.

Technical Datasheet

