**LED Flood Light**

RGBW 4IN1

|  |  |
| --- | --- |
| **Client** |  |
| **Project** |  |
| **Order Code** |  |
| **QTY** |  |

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**150W**

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**75W**

**Thank you for purchasing the Colordreamer LED Flood Light**

Our manual will describe the installation and mounting of the product as well as a description of how to use it. Please read and understand this manual in its entirety before using the product.

**Product Warranty is void if product is not installed as per installation instructions and in compliance with all local and provincial codes.**

**SAFETY RECOMMENDATIONS AND WARNINGS**

Do not make modifications or alter the product

Keep away from flammable material.

Do not hose or pressure clean.

Do not use any silicone or other chemicals on outside surface.

Do not use chemicals or abrasives to clean the luminaires as this may voids the warranty.

Ensure installation complies with local electrical rules and regulations.

Ensure mains input power is surge protected

Do not connect or disconnect the luminaire while the power is connected.

Connectors are to be kept clean and dry at all times.

Once installed, all connectors are to be mated and a terminating plug or end cap is required on the last fitting of run.

When placing the luminaries in an end-to-end setup, be sure to leave a minimum gap of 10mm to allow the thermal expansion
Colordreamer Products are cooled by convection. Provide adequate ventilation by providing free air flow around.

If the ambient temperature around the luminaires exceeds 55degrees, do not use the products and turn off the system.

Power off the luminaires during service or when not in use.

**Product Overview**

This LED Flood Light is designed for architectural Facade, bridge and so on.

It can deliver high efficiency light output and uniform beam with professional lens.

We used Top Brand Silicone for better heat conduction, strong temperature withstands and perfect waterproof performance.

Apply solid capacitor and other good brand components on PCB for long life time.

Save 40% power with more efficient power management design.

With wide voltage range design, LED color always keep same brightness after long distance power supply.

Standard DMX512 control protocol (Max 44frames/second).

The communication between lights is synchronized perfectly under support of Colordreamer Artnet Controller.

Lightning and ESD Protection

Electrical Protections: short circuit, over current, over voltage and over temperature.

**Product Specification**

|  |  |  |
| --- | --- | --- |
| Models | F1850904 |  F1851804 |
| **LED** |
| Color | RGBW 4IN1 | RGBW 4IN1 |
| Light Source | High Power LED | High Power LED |
| LED Source Color | R:620-625nmG:524-529nmB:452-457nmW:6000K | R:620-625nmG:524-529nmB:452-457nmW:6000K |
| CRI for White LED |  |  |
| LED QTY | 9LEDs | 18LEDs |
| **Performance** |
| Lumen Output | 3600lumen | 7200lumen |
| Efficacy | 48lumen per watt | 48lumen per watt |
| Beam Angle | 10°Narrow20°Narrow Medium30°Medium45°Wide | 10°Narrow20°Narrow Medium30°Medium45°Wide |
| **Electrical** |
| Input Voltage | 120-277VAC | 120-277VAC |
| Power Consumption | 75W  | 150W  |
| **Control** |  |
| Protocols | DMX/RDM | DMX/RDM |
| Addressing | Manual Addressing with Colordreamer Addressing Tool |
| Pixels | 1Pixel | 1Pixels |
| **Physical** |
| Housing | Aluminum 6063 with Tempered Glass |
| Finish Color | Powder coating, Black/Grey Silver or Custom RAL Color |
| Dimensions(LXWxH) | 220X185X118.5mm (exclude brackets) | 385X185X118.5mm (exclude brackets) |
| Dimensions(LXWxH) | 220X185X225mm (include brackets) | 385X185X225mm (include brackets) |
| Cable Entry | Bottom Entry |
| Mounting | Surface Mounting |
| Accessory | Half Glare Shield |
| Packing | Update soon |
| **Environment** |  |
| Operating Temperature | -30℃ to +50℃ |
| Storage Temperature | -40℃ to +70℃ |
| Humidity | 0-90% non-condensing |
| IP Rating | Dry, Damp, Wet locations IP66 |
| **Certification and Safety** |
| Certification | CE |
| Wrranty | 2Years Limited Warranty from the Date of ManufactureContact us if you need extended warranty |

Remark: The given data of CCT, beam angles, lumen output and electrical power are typical value. Due to the tolerances of the production process and the electrical components, the values can vary up to 10%.

**Dimension**

**75W Version**

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**150W Version**

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**Photometrics**

**Update Later**

**System Diagram**

Wire Color and Designations for AC Input

|  |  |
| --- | --- |
| Wire | Color |
| Brown | AC L |
| Blue  | AC N |
| Yellow/Green | AC GND |

Wire Color and Designations for DMX IN and Out

|  |  |
| --- | --- |
| Wire Color | Description |
| Red | N/C |
| Black | Power and Signal GND |
| Green  | DMX+ |
| Blue | DMX- |

**Accessories List (Need Order Separately)**

|  |  |  |
| --- | --- | --- |
| Name | Order Code | Description |
| Leader Cable | 67E4FB-20CM | IP67 Connector,20cm Long 4PIN Female to open wire  |
| Leader Cable | 67E4FB-5M | IP67 Connector,5Meter Long 4PIN Female to open wire  |
| Jumper Cable | 67E4M4F-5M | IP67 Connector,5Meter Long 4PIN Male to 4PIN Female |
| IP67 Connector to XLR Cable | 67E4F5XM-20CM | 20CM Long 4PIN IP67 Female Connector to XLR 5PIN Male Cable |
| IP67 Connector to XLR Cable | 67E4F5XM-5M | 5M Long 4PIN IP67 Female Connector to XLR 5PIN Male Cable |
| DMX Terminator | CD-DT4M | 4PIN Male DMX Terminator with 120Ω Resistor Between DMX+ and DMX- |
| End Cap | CD-EC | End cap for female connector |