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LED SERIES

CHAMELEON TRICOLOR 12 IP65 LED Trichromatic Projector





Aptly named, the Chameleon Tricolor 12 is a new generation of intelligent LED based lighting fixtures. Completely optimized, the Chameleon Tricolor 12 uses the latest in electronic LED control to regulate and reduce premature LED burnouts. The Chameleon Tricolor 12 features 12 3W watt high brightness Trichromatic red, green and blue LEDs which produce seamless color changes, allowing the viewers within short distance to see the exact colors refracted off the lens. The IP 65 rating makes this fixture perfect for outdoor weather or standard indoor use. Dual yoke allows the unit to be stood on the floor or clamp mounted as needed.

The Chameleon Tricolor 12 features high power trichromatic LEDs producing a uniform color output out of each individual lens. The specially designed lenses combine the focused RGB light into a coherent and single source output. By emitting all RGB colors out of each lens, the Chameleon Tricolor 12 reduces the amount of color abrasion on the edges of images and their shadows, thus producing a cleaner beam of light. When looking at the Chameleon Tricolor 12, the light output appears all to be the same color without seeing the RGB separation in each of the lenses. The Chameleon Tricolor 12 uses the latest in control technology to produce the smoothest dimming curve possible.

The Chameleon Tricolor 12 is equipped with PWM. PWM (Pulse Width Modulation) driving electronics is currently the only optimal technology appropriate for LED drivers. Other manufacturers increase input electrical current to boost the brightness of LEDs, at the great expense of LED reliability. With transformers, if one LED burns out, the next LEDs in a series would pass out in succession. PWM eliminates those issues. The Chameleon Tricolor 12 has PWM electronics integrated to safeguard the longevity of LEDs.

The Chameleon Tricolor 12 is designed for outdoor and indoor applications. Suitable applications include wash and effect lighting for architectural, entertainment, display and retail uses. The Chameleon Tricolor 12 can be also installed for use in signage and advertising using the dynamic functions available with DMX 512 control. Direct input of DMX 512 signal allows the fixtures to be controlled from any DMX512 controller. The Chameleon Tricolor 12 can be operated as a single unit or in multiple units for large applications.

Whether you are in a band, part of a stage performance or just want to add color washes with RGB infinite color mixing possibilities to any lighting installation, the Chameleon Tricolor 12 is the perfect solution to brilliantly light up any stage or surface. The Chameleon Tricolor 12 is also performer friendly because it emits almost no heat onto the stage thus entertainers will stay cooler on stage. Just add the Chameleon Tricolor 12 punch and you have got the optimal stage light show! With a very long lamp life the fixture will need virtually no servicing and produces the highest quality of output without color fading.

The Chameleon Tricolor 12 has an auto switching power supply that can accommodate a wide range of voltages. the only thing necessary to do before powering on the unit is to make sure the line voltage supplied is within the range of the accepted voltages. The Chameleon Tricolor 12 will accommodate between 80v and 240v AC. All fixtures must be powered directly off a switched circuit and can not be run off a rheostat (variable resistor) or dimmer circuit even if the rheostat or dimmer channel is used solely for 0% to 100% switch.



FEATURES AND BENEFITS

- Solid State Lighting, no moving parts
- PWM (Pulse Width Modulation) driving electronics
- Full RGB color mixing
- Over 16.7 million colors and hues possible
- Auto, Master/Slave, DMX
- On-board DMX (addressable via or LCD display)
- Full dimming capacity
- Flicker free
- Built-in sound activated programs

- Virtually no UV or IR
- No mercury or hazardous metals
- Emits virtually no heat
- Friendly on the environment
- Friendly on performers
- Virtually no maintenance
- Replacing standard par cans
- Long lamp life, 50,000 hours
- High quality components and highly skilled workmanship
- Great energy saving
- Easy to install, program and operate
- Lightweight and compact
- Can be installed universally
- Less to carry in mobile applications
- Designed for permanent, semi-permanent and mobile applications
- Opening for greater creativity like never before
- Direct air convection for cooling
- Narrow, medium flood and flood options for wash or effect lighting



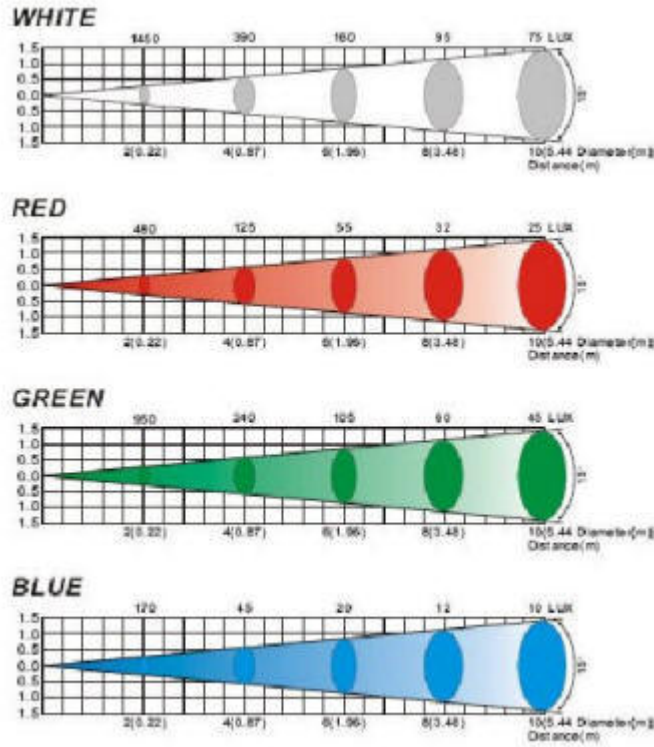
Technical Specifications

- Power Input: auto-ranging 80 - 240vAC, 50/60Hz
- Rated power: 50w, 1 internal 1 amp mini size fuse 5x20mm
- 12 high output LEDs, 12 each of red, green and blue all driven at 3 watt, 700ma
- Beam angle: 15° lens standard
- Optional beam lens angles (sold separately): 30, 45, and 60 degrees
- Thermally cooled internally by heat sink case
- Control: Sound, auto, master/slave and DMX
- On-board LCD display menu with 4 push buttons for settings
- Multiple modes include: a DMX 3, 4, 5, or 6, manual color settings, internal programs, master / slave using sound and auto speed settings
- Maximum DMX Channel Mode: Ch1 - Red level, Ch2 - Green level, Ch3 - Blue level, Ch4 - Master Dimmer, Ch5 - Macro, Ch6 - Strobe
- DMX In/Out: 3-pin XLR connectors
- Rating: IP 65 for outdoor use
- Maximum ambient temperature: 105 degree F (40 degree C)
- Minimum distance to flammable surface: 1 m (3.3 ft)
- Minimum distance to illuminated surface: 0.3 m (1 ft)
- Heavy duty, light weight die cast aluminum housing
- Dual yoke with 1/2" clamp mounting holes, for hanging or floor standing
- Dimensions: Please see below.
- Weight: 3.86Kgs/8.5Lbs

- Color: Black (also available in Silver)

PHOTOMETRIC DATA

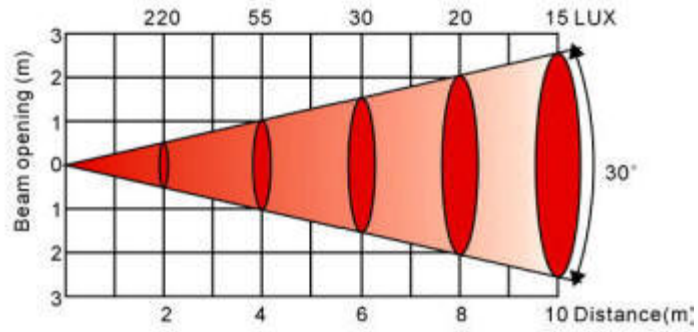
15 DEGREES



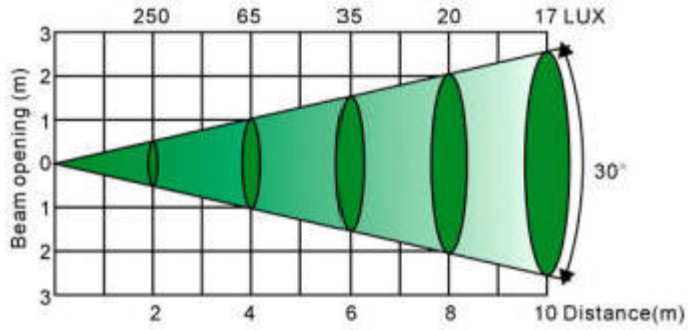
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30 DEGREES

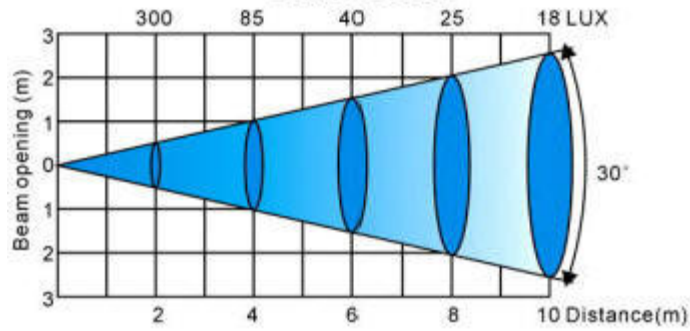
Red color



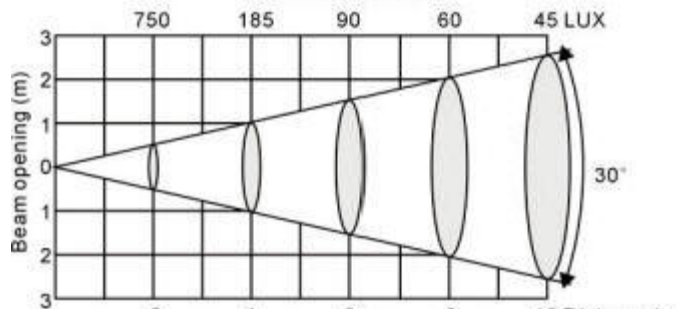
Green color



Blue color

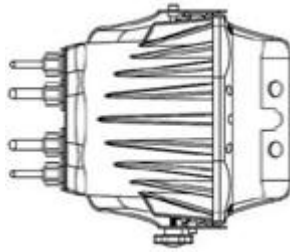
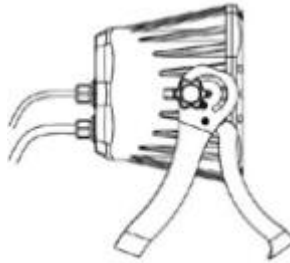


White color

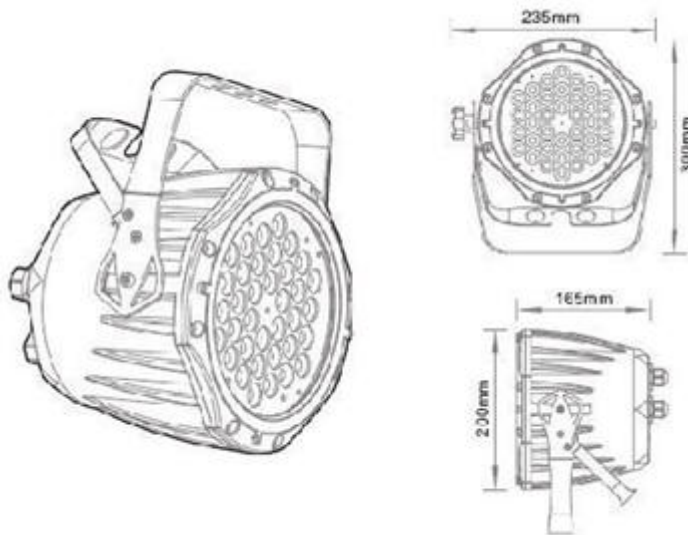


FRONT, REAR AND SIDE VIEW

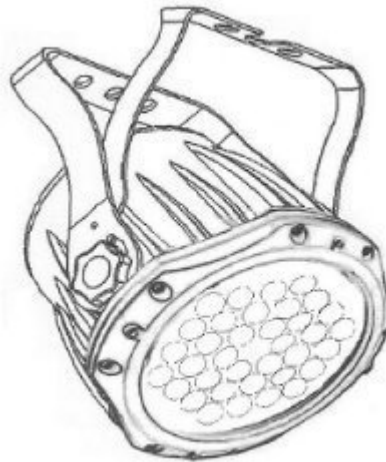




DIMENSIONS



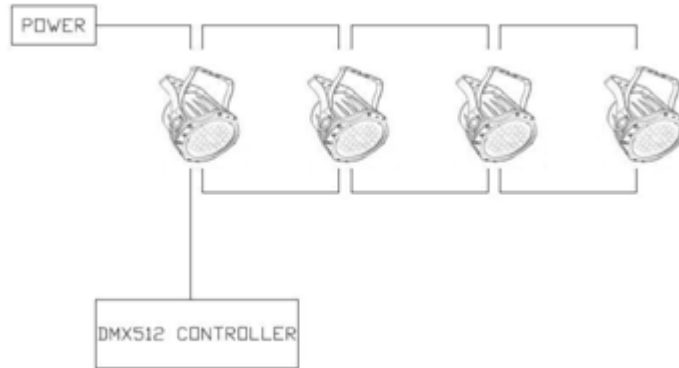
MOUNTING



The Chameleon Tricolor 12 can be mounted in a hanging position using the support bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Dual yoke allows the unit to be stood on the floor or clamp mounted as needed. The fixture can be mounted in any position provided there is adequate room for movement and ventilation.

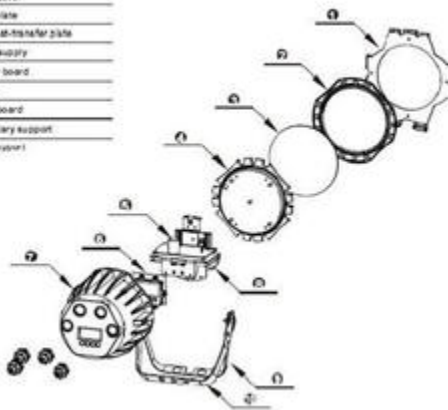


CONNECTION



PARTS

- 1 Gel holder
- 2 Upper cover
- 3 Glass plate
- 4 LED heat-holder plate
- 5 Power supply
- 6 Display board
- 7 Casing
- 8 Driver board
- 9 Secondary support
- 10 Main support



DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.