

# GRAND 420C

Model:G420C



CMY



Color wheel

SPOT+BEAM+WASH, CMY, 3-Ring Strip Effect, 2 Prism Wheels, Animation Wheel, Continuous PAN/TILT

The GRAND 420C is a new generation professional and intelligent compact LAMP BSW moving head light designed with a full CMY color mixing system, smooth and linear zoom from 4°-32°. The SPOT features a new high intensity and efficiency OSRAM SIRIUS HRI 420W lamp delivering ultra high light output through a set of high resolution and precise optics that helps to provide extremely clear and even spot coverage. The 3-ring strip light in the front head delivers magic and vivid dynamic lighting effect created by 108\*0.2W 3-IN-1 SMD RGB LEDs.

It offers a full complement of other professional characteristics, rotating gobo wheel, static gobo wheel, color wheel, 6-color effect wheel, animation wheel, 2 prism wheels, frost filter, motorized focus, linear dimmer, strobe, etc. It provides 360°continuous fast and smooth PAN/TILT movement with variable speed which delivers even more vivid visual effect to the show. The fixture supports DMX, RDM (Remote Device Management).

The fixture's exterior housing is beautifully balanced design with supremely harmonious interior structure for remarkable control. The sculpted body of the GRAND 310C achieves more than just a striking look.

It's fast and quiet operation BSW moving head. The fixture is tuned with proper refresh rate for flicker free operation for TV and FILM. It's a perfect option for live concerts, TV productions, road shows, theatre, conference halls, club/bars, etc.

## Light Source

Source:  
1\*OSRAM SIRIUS HRI 420W lamp  
(30+36+42)\*0.2W 3-IN-1 SMD RGB LEDs  
Color Temperature: 7850K(+/- 300K)  
CRI: ≥83(+/- 5)  
Flicker free operation for broadcast TV and FILM  
Life Span: 2500H  
The life span may vary depending on several following factors but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming)

## Optics

A set of high resolution and precise optics  
Smooth and quiet linear motorized zoom  
SPOT Mode: 4°-32°  
Beam Mode: 3°-18°  
Smooth and precise linear focus

## Movement

PAN: 2 modes  
1. 360°Continuous movement  
2. 540°(8/16 bit)  
TILT: 2 modes  
1. 360°Continuous movement  
2. 270°(8/16 bit)  
Fast, quiet, smooth and precise 3-Phase motors  
Smooth, fast and precise resolution for PAN/TILT movement with low noise operation  
Scan position memory, auto reposition after unexpected movement  
PAN/TILT reversible

## Color System

Full CMY color mixing system  
1 Color wheel with 13 dichroic colors plus open (half color mode available)  
Variable direction rainbow effect with speed adjustable  
6-Color effect wheel

## Gobo System

1 Rotating gobo wheel with 8 rotatable and interchangeable glass gobos plus open with speed adjustable, stream effect, dithering effect and rotatable clockwise or anticlockwise  
Gobo size: 15mm (external)/12mm (inner)/1.1mm (thickness)  
1 Static gobo wheel with 13 gobos plus open  
Gobo overlay (gobo morphing)

## Animation System

Special dynamic flame or water effect, etc

## Prism System

2 Prism wheel design  
Prism 1: 4 different prisms, 4-Facet linear prism/3-Facet circular prism/4-Facet circular prism/6-facet circular prism with variable speed and direction  
Prism 2: 4 different prisms, 6-Facet linear prism/8-facet circular prism/16-facet circular prism/6+12-facet circular prism with variable speed and direction  
Prism indexing  
Prism overlay (prism morphing)  
16 Kinds of prism morphing effect  
24 Kinds of prism effect in total

## Wash System

Frost filter  
Even and soft coverage

## Strobe Effect

0-20Hz shutter/strobe effect with variable speed  
Preset variable/random strobe and dimming pulse effect

## Dimming System

0-100% Smooth linear dimming

## Control System

29 DMX channels USITT DMX-512  
DMX512, master-slave, or auto operation  
DMX recorder and edit function integrated  
RDM available (Remote Device Management)  
Art-NET (Optional)  
Wireless receiver system built-in (Optional)  
Shielded input signal protection for stable signal without interference  
RJ45 etherCON IN/OUT (Optional with Art-Net)  
3-Pin and 5-pin XLR DMX connectors  
IN/OUT

## Software Update

Software up-datable through DMX connectors  
Mult units up-datable in daisy chain

## Display System

1.44" TFT LCD display  
5 Control buttons  
180°Reversible for LCD display  
Display auto OFF  
DMX signal monitoring indicator

## Cooling System

Efficient low noise self adjusting fan cooling system  
Constant temperature readout and management function  
Over temperature protection management

## Power Supply

Electronic ballast: PT-SIRIUS 420W  
Electronic supply with active PFC  
AC100-240V 50/60Hz  
PowerCON IN/ OUT with fuse  
554W Power consumption

## Housing

High tension molded fire proof housing with PA6+fibre  
Skeleton made of aluminum and steel metal plates  
Two side handles on base  
Exterior finish: Black

## Installation

2\*1/4 turn fastening Omega Clamps (Adaptable vertically and horizontally)  
1\*Safety attachment point

## Operating Condition

Operating positions: all (device on floor or fixed to a support)  
-25 C to 45 C ambient temperature  
IP20 protection rating

## Compliance

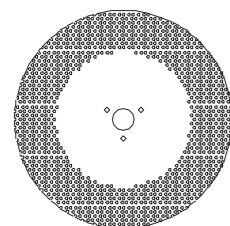
CE  
2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)  
2014/30/EU - Electromagnetic Compatibility (EMC)  
2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)

## Weight

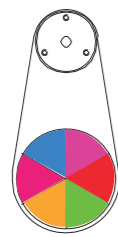
N.W.: 14.58kg  
G.W.: 16.51kg

## Dimensions

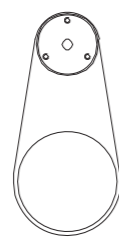
Product Dimensions:  
261.8(D)\*297.9(W)\*513.7(H)mm  
Packing Dimensions:  
655(D)\*380(W)\*355(H)mm



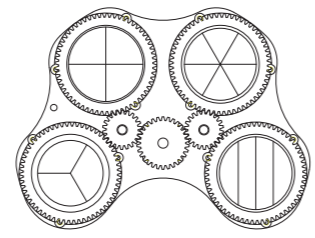
Animation wheel



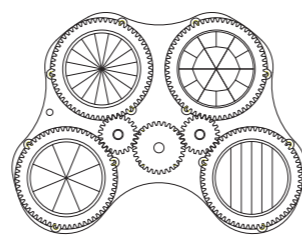
6-Color



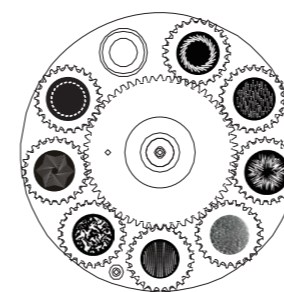
Frost Filter



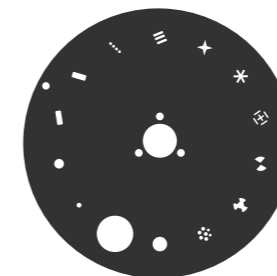
Prism 1: 4 different prisms, 4-Facet linear prism/3-Facet circular prism/4-Facet circular prism/6-facet circular prism with variable speed and direction



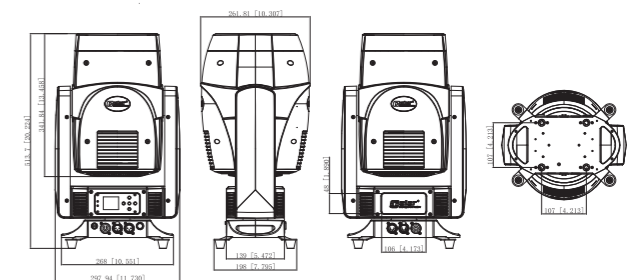
Prism 2: 4 different prisms, 6-Facet linear prism/8-facet circular prism/16-facet circular prism/6+12-facet circular prism with variable speed and direction



Rotating gobo



Static gobo



Dimensions