

GRAND 420

Model:G420



Color wheel

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

The GRAND 420 is a new generation professional and intelligent compact LAMP BSW moving head light designed with 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 310 achieves more than just a striking look.

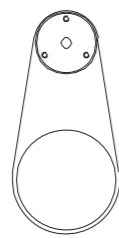
It's fast and quiet operation BSW moving head. The fixture is tuned with proper refresh rate for flicker free operation for TV and FILM. It's a perfect option for live concerts, TV productions, road shows, theatre, conference halls, club/bars, etc.



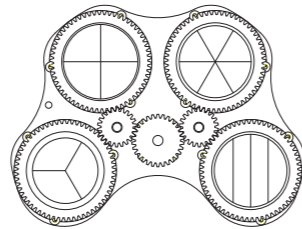
Animation wheel



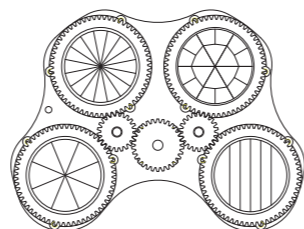
6-Color



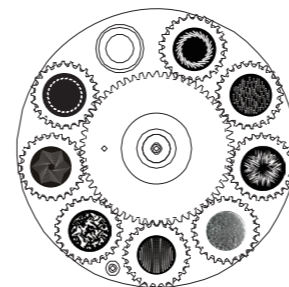
Frost Filter



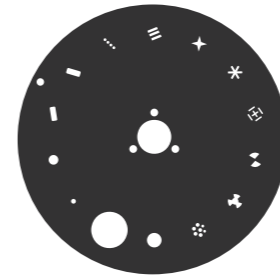
Prism 1: 4 different prisms, 4-Facet linear prism/3-Facet circular prism/4-Facet circular prism/6-facet circular prism with variable speed and direction



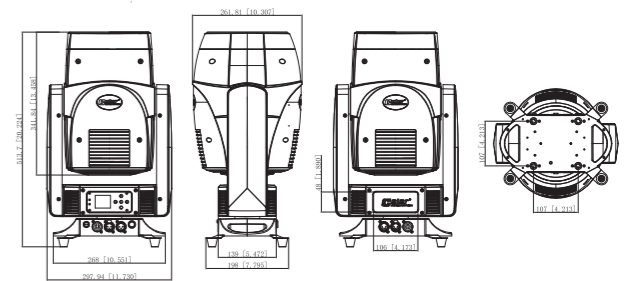
Prism 2: 4 different prisms, 6-Facet linear prism/8-facet circular prism/16-facet circular prism/6+12-facet circular prism with variable speed and direction



Rotating gobo



Static gobo



Dimensions

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

1 Color wheels 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

27 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
550W Power consumption

Housing

High tension molded fire proof housing with PA6+fibres
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.: 14.23kg
G.W.: 16.16kg

Dimensions

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