11. Technical Specifications

Electrical

Power supply:..........................electronic auto-ranging
Input voltage range:............... 100-240V, 50/60Hz

Power consumption* @230V: 1020W (I= 4.87A , power factor=0.91)
Fuse:.......................................T 8 A@230V, T 15 A@120V
*Allow for a deviation of +/-10%

Lamp

Approved model: MSR Platinum 35 (55,000 lumens, CRI>75, CCT=7800K, 750 hrs life)
Base:PGJX 36

Ballast

Electronic

Optical System

High luminous-efficiency glass reflector
zoom range: 8.5 °- 42.5° (gobo) ; 9.8° – 46.5 ° (open hole)

Colour wheel

6 dichroic filters + open

CMY + CTO mixing module

Smooth CMY colour mixing system
Colour temperature correction filter lowers the colour temperature to 3200 K
30 colour macros

Rotating gobo wheel 1

6 glass gobos + one dichro gobo can be indexed and rotated in both directions at different speeds
Gobo wheel continuous rotation
Glass gobos: outside diameter=26.8 mm, max. thickness=4 mm, high temperature borofloat or better glass
"Slot&lock" system for easy replacement of gobos

| 15020248 | 15020190 | 15020253 | 15020254 | 15020256 |

Position 1

| 15020257 | 15020143 |
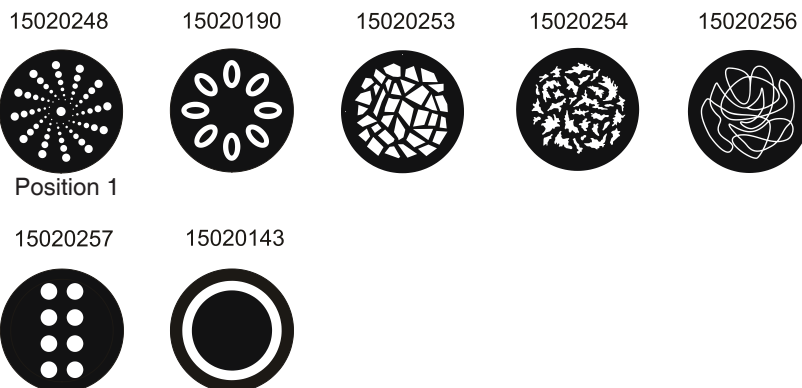
Rotating gobo wheel 2

7 glass gobos can be indexed and rotated in both directions at different speeds
Gobo wheel continuous rotation
Glass gobos: outside diameter=26.8 mm, max. thickness=4 mm, high temperature borofloat or better glass
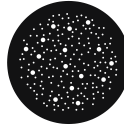"Slot&lock" system for easy replacement of gobos

15020255 15020249 15020250 15020178 15020252

Position 1

15020251 15030030

Prism

Rotating 5-facet prism with continuous rotation in both directions

Iris Motorized iris for different beam diameters
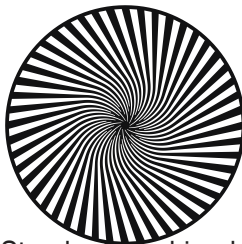
Frost filter

Separate,variable frost filter

Zoom
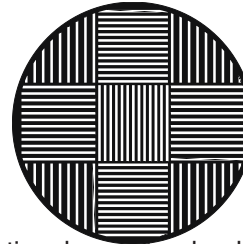
Linear motorized zoom

Dual graphic wheel

2 graphic wheels rotating in both directions

Standard graphic wheels   Optional graphic wheels (included)

Strobe

Strobe effect with variable speed (max.15 flashes/sec.)
Electronic strobbing (max. 33 flashes/sec.)

Dimmer

Smooth dimmer from 0 - 100 %

Control

Graphic touch screen for fixture setting and addressing
Gravitation sensor for auto screen positioning
Battery backup of the touch screen
Readout fixture and lamp usage, receiving DMX values, temperatures, etc
Built-in analyzer for easy fault finding, error messages
Remotely switching on/off the lamp
Built-in demo sequences
Black-out while head moving, colour or gobo changing
Silent fans cooling,
Self-resetable thermo-fuse
Stand-alone operation
3 user editable programs, each up to 100 steps
Supported protocols: USITT DMX 512, RDM, ArtNet, MANet, MANet2
Support of RDM (Remote Device Management)
4 DMX modes (38, 31, 29, 40 control channels)

Wireless DMX/RDM module (only for Wireless DMX version)

        Compliance with USITT DMX-512 (1986 & 1990) and 512-A
        Full DMX fidelity and frame integrity
        Auto sensing of DMX frame rate and frame size
        <5ms DMX latency
        Operational frequency range of 2402-2480 MHz
        Producer: LumenRadio

Pan/Tilt

        Pan movement range 540°
        Tilt movement range 270°
        16 bit movement resolution
        Automatic Pan/Tilt position correction
        Remotely controllable speed of pan/tilt movement for easy programming
        Movement control: tracking and vector
        Pan/tilt-lock mechanism

Rigging

        Mounting points: 2 pairs of 1/4-turn locks
        Mounting horizontally or vertically via 2 Omega brackets

Temperatures

        Maximum ambient temperature : 45° C
        Maximum housing temperature : 100° C

Minimum distances

        Min. distance from flammable surfaces: 1 m
        Min. distance to alight object: 5 m

Connection

        DMX data in/out: Locking 3-pin and 5-pin XLR
        ArtNet: RJ 45 (Neutrik Ethercon)
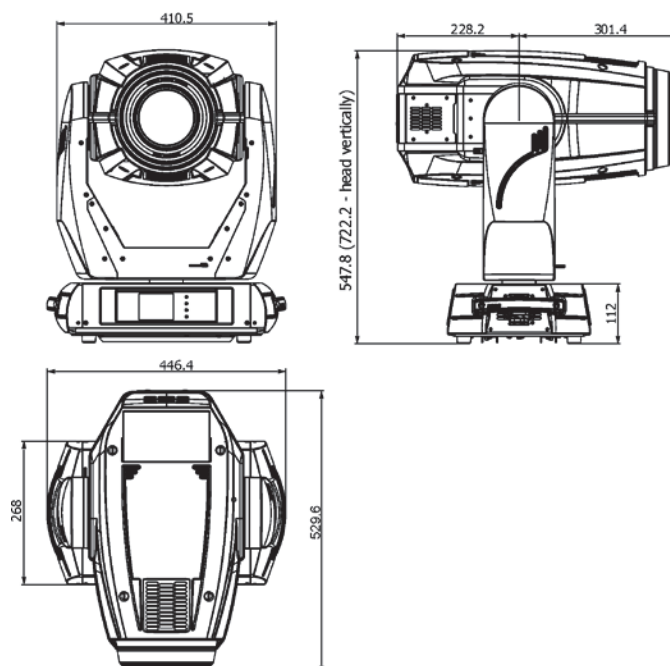   AC power IN: Chassis connector Neutrik PowerCon, A-type, NAC3MPA

Total heat dissipation

        3480 BTU/h (calculated)
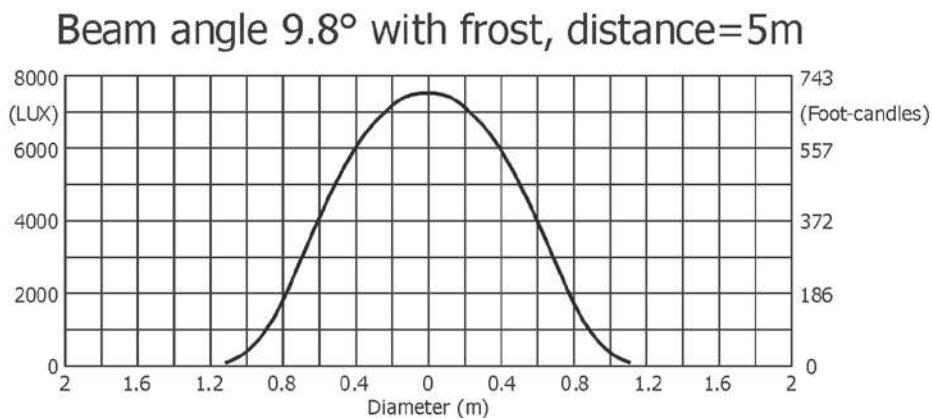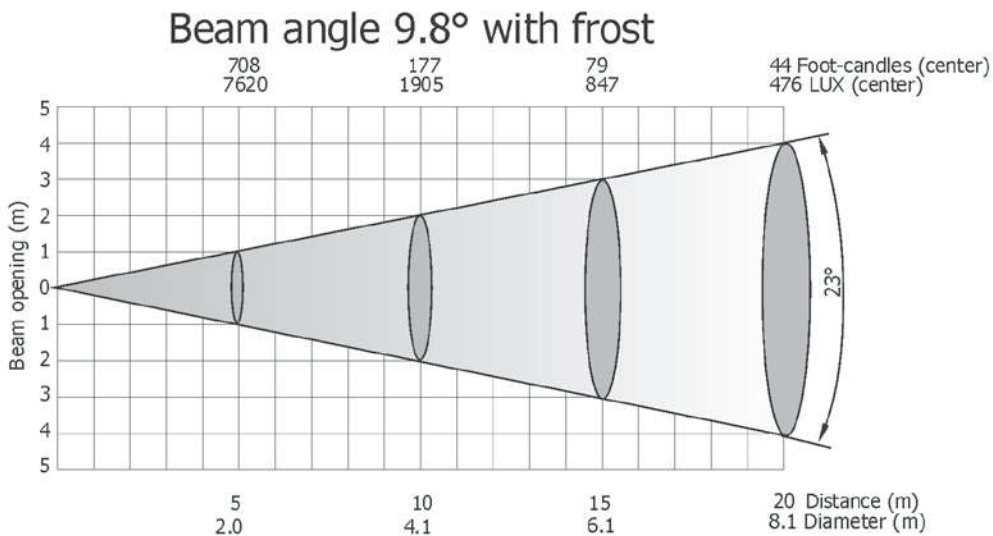
Weight (net):

        25.5 kg

Dimensions (mm)

Accessories

Omega holder (No.99010420)...............................2 pcs
Gobo-set 16 (No. 15050025) .... 1 pc
Dual graphic wheel (11020170)........................... 2 pcs
Mains cable ....1 pc

Optional Accessories

- Flash cable RS232/DMX (No.13050624)

Photometric charts

Lamp: MSR Platinum 35
Beam angles are mesured at free hole

Beam angle 9.8° - Min. Zoom

| | 9783 | 2446 | 1087 | 611 Foot-candles (center) |
| | 105300 | 26325 | 11700 | 6581 LUX (center) |

Beam opening (m)

9.8°

| | 5 | 10 | 15 | 20 Distance (m) |
| | 0.9 | 1.7 | 2.6 | 3.4 Diameter (m) |

Beam angle 9.8° with frost

| | 708 | 177 | 79 | 44 Foot-candles (center) |
| | 7620 | 1905 | 847 | 476 LUX (center) |

Beam opening (m)

23°

| | 5 | 10 | 15 | 20 Distance (m) |
| | 2.0 | 4.1 | 6.1 | 8.1 Diameter (m) |

Beam angle 9.8° with frost, distance=5m

Diameter (m)

36
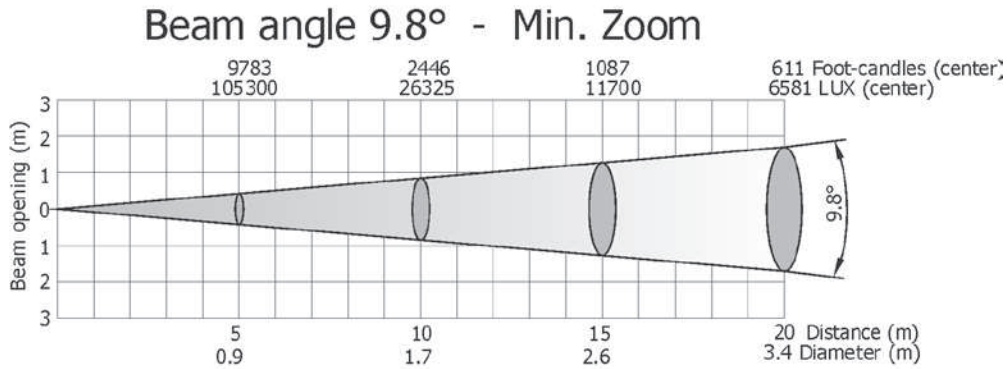
Lamp: MSR Platinum 35
Beam angles are mesured at free hole

Beam angle 46.5° - Max. Zoom

| | 763 8216 | 191 2054 | 85 913 | 48 Foot-candles (center) 513 LUX (center) |

| | 5 4.3 | 10 8.6 | 15 12.9 | 20 Distance (m) 17.2 Diameter (m) |

Beam angle 46.5° with frost

| | 125 1340 | 31 335 | 14 150 | 8 Foot-candles (center) 84 LUX (center) |

| | 5 5.1 | 10 10.2 | 15 15.3 | 20 Distance (m) 20.4 Diameter (m) |
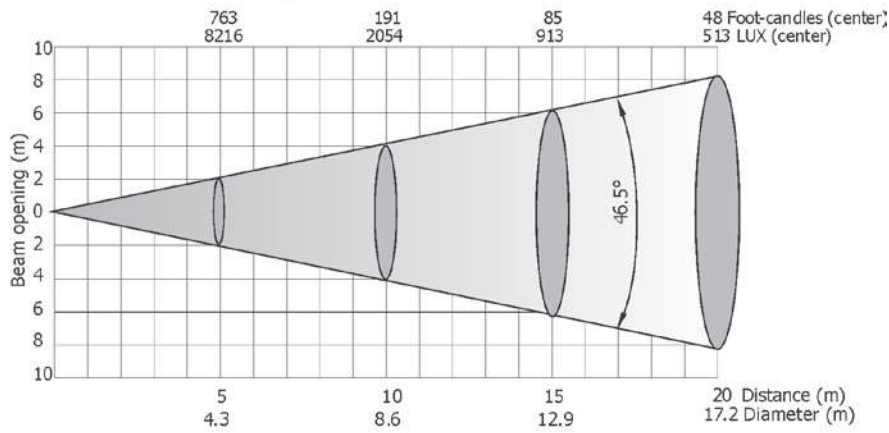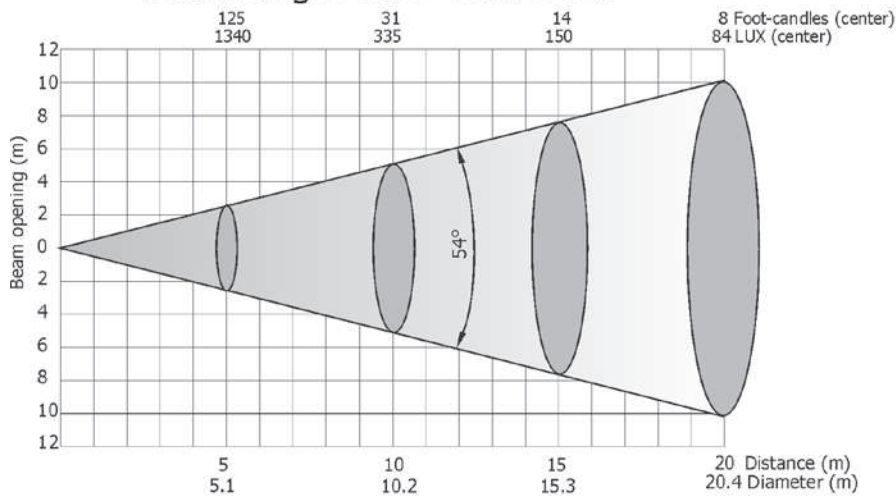
Beam angle 46.5° with frost, distance=5m