



TECHNICAL SPECIFICATIONS

Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice. Whilst every care is taken in the preparation of the manual we reserve the right to change specifications in the course of product improvement. The publishers cannot be held responsible for the accuracy of the information herein, or any consequence arising from them.

Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and / or the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer and / or dealer.

TECHNICAL SPECIFICATION

[KVANT 600 PRESTIGE BEAM]

Device Information

Model:	Kvant 600 Prestige Beam
Country of origin:	Slovakia (EU)
Warranty:	12 months standard (up to 5 years on request)

Electric Parameters

Input Voltage:	100V~240V AC, 50/60Hz
Max Power Consumption:	800 W @230VAC
Rated Current:	3.48A @ 230V
Typical Current Draw (at 230 V AC):	2,7A
Inrush Current (Peak):	3,9A
Power Factor:	PF>0.9

Light Sources

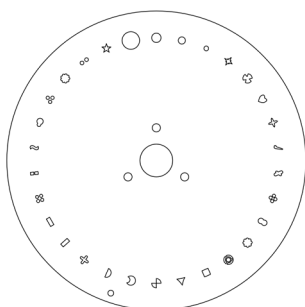
Light Source Type:	Semiconductor laser diodes
Laser Light Sources:	600W laser
Rated life:	20 000 hrs
Input Voltage Range:	100 - 240V AC 50/60Hz
Light Output (Lumens):	34500lm
Peak Intensity (Lux):	1100000lux @20m
Source Life (L70):	20000h
Laser Class:	Class 1
Laser Safety Certificate:	RG3 IEC EN 62471-5:2015, CLASS 1 IEC EN 60825-1:2014

Colors

White Temperature:	Tunable white
CRI (Color Rendering Index):	70
Color Mixing:	Color change by RGB component mixing (not by absorbing filters)
Color Wheel:	No (Color change by RGB component mixing (not by absorbing filters))
CTO / CTB Filters:	No (Color change by RGB component mixing (not by absorbing filters))
UV / Special Colors:	16 million colors
Color Modes & Control:	Color change by RGB component mixing (not by absorbing filters)

Gobo Wheel

1 fixed gobo wheel:	30 gobos+ open Shakable at variable speeds and bi-directional rotation at variable speeds.
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Prism/Frost

3 prism wheels:	(a 8-facet circular prism+ a 4-facet linear prism) + (a 16-facet circular prism + a frost filter) Other prism options available.
Frost / Diffusion:	Yes (on Prism2 Wheel)

Focus

Focus:	DMX linear focus
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Strobe/Dimmer

Dimmer:	Yes (via DMX/ArtNet, other control options)
Linear dimmer:	16 bit
Strobe:	0.5 - 25 f.p.s.

Head Movements

Pan Range:	0°-540°
Tilt Range:	0°-270°
Pan/Tilt Resolution:	16bit
Pan/Tilt Speed:	8bit (speed/time mode)

Beam Angle

Beam Angle / Zoom Range:	0.25°
Lens Diameter:	220mm

Control

Power Connections:	Neutrick power input connector, 5-pin XLR IN/OUT, RJ45 Ethernet
Follow-Spot Mode:	Yes
Local User Interface:	Yes (from the front panel)
Standalone Control:	Yes
RDM & Remote Management:	Yes
Operational Monitoring System:	RDM/Artnet, sACN
Firmware Update Method:	COM online, USB online, USB offline

Other Functions

Positioning & Calibration:	Auto positioning correction/Calibration function
Anti-Shake Stabilization:	No

Housing and Ingress Protection

Body Composition:	Cast aluminium and high temperature UV resistant ABS with IP66
Body Finish:	Powder coating (Color up to request)
Cooling System:	Air cooled heat-pipe heat-sink
Cooling System Maintenance Interval:	3 months or as needed
Battery For Menu/Settings:	No
Mounting & Rigging:	Yes (G clamps or custom brackets)
Environmental Protection:	IP66
Salt Spray Testing:	on request
Certifications:	pending (EMC/LVD)
Sun Protection:	Cast aluminium and high temperature UV resistant ABS + powder coating
Recommended Maintenance Interval:	60/90days, as needed
Future Maintenance Alert System:	RDM

Weight

Weight (Fixture Only):	38 kg
Weight (With Mounting Bracket):	38+

Ambient Temperature

Operating Temperature:

-20 °C ~ 45 °C

If a fixture runs with the ambient temperature below 0 Celsius, it should be heated for some time (less than 20 minutes based on actual conditions) before turning on the laser module.

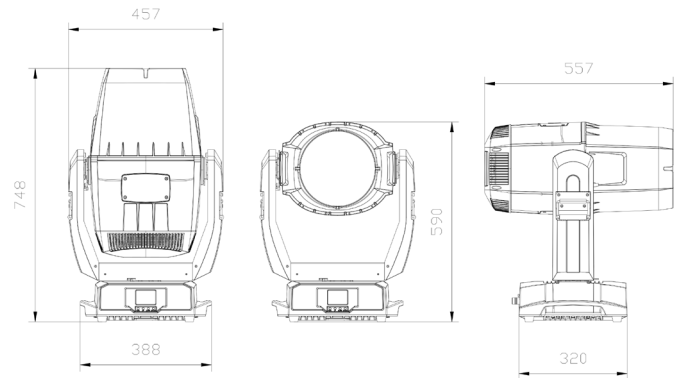
Sizes

Dimensions (W × D × H):

457x 557x 748mm (overall)

Special Features

Color change by RGB component mixing (not by absorbing filters), Colors 16 milion, gobo wheel, prisms, dimmer/strobe function, DMX linear focus, pan and tilt speeds adjustable. Modular construction easy for maintenance.



CONTACT INFORMATION



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