

ELECTRUS 6W

TECHNICAL DATA SHEET



TESTED BY
DEVELOPED BY
ARCTOS
Showlasertechnik GmbH
Laser manufacturer in Bavaria



DIMENSIONS (without yoke and feet)

Height: 250 mm

Width: 300 mm

Length: 200 mm

Weight 12 kg (incl. yoke)

HOUSING MADE BY ARCTOS

Black powdered aluminium

Packaging: Cardboard Box

Flightcase on request

ELECTRUS 6W SPECIFICATIONS | 100% ARCTOS DIODE LASERS

ELECTRUS 6W

Total RGB Output power		8.7 W (int.)	7.8 W (ext.)	Beam divergence
ARCTOS® Red Diode	637 nm	3.1 W	2.8 W	1.2 mrad
ARCTOS® Green Diode	520 nm	1.8 W	1.6 W	0.3 / 0.8 mrad
ARCTOS® Blue Diode	445 nm	3.8 W	3.4 W	0.3 / 0.8 mrad

LASERSYSTEM DATA

Beam diameter: 5.5 mm

Analog modulation: 0-5V up to 50 kHz

Operating voltage: 110-240 VAC

Power consumption: @ max. 850 W

Laser class: 4

IP Grade: IP 54 Standard

LASERBEAM SOURCE

100% ARCTOS DLP controlled diode laser

ARCTOS® Blue Diode 445 nm or 460 nm on request

ELECTRUS 6W WITH „IN-HOUSE“ GRATING SYSTEM

Smart Grating effect-system integrated, originally designed by ARCTOS®

Gratings controllable in position and rotation via DMX

User-friendly application as stand-alone or integrated show effect during the show

GRATING EFFECTS

Polysector/Burst Grating overlaid

Choice options

Grid-grating transmittive

Dimensions: Ø=50 mm

Machado Grating

180° line grid-grating transmittive

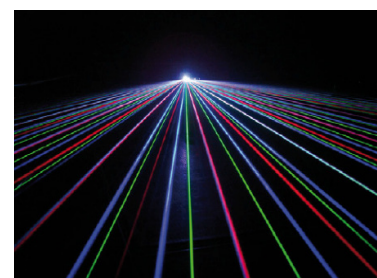
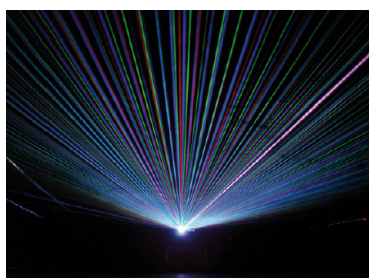
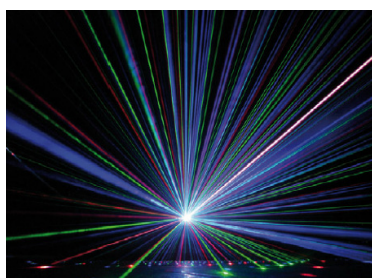
Active surface: 10 x 6 mm

Dimensions: 25 x 25 x 1 mm

Line Grating rotative

Line-grating transmittive

Dimensions: Ø=50 mm



LASER SAFETY AND COMPONENTS

INTERFACES AND CONTROLS

Control:	ILDA standard
Safety:	Key switch; FDA scan-safe
Remote control:	3 Pins XLR
Scan image invert:	Invert-X; Invert-Y
Color adjustment:	Intensity R G B (0-100%)
Mains:	Neutrik Power Con
Thermal control:	TEC Peltier Elements and AIR cooling

INTEGRATED PANGOLIN FB4

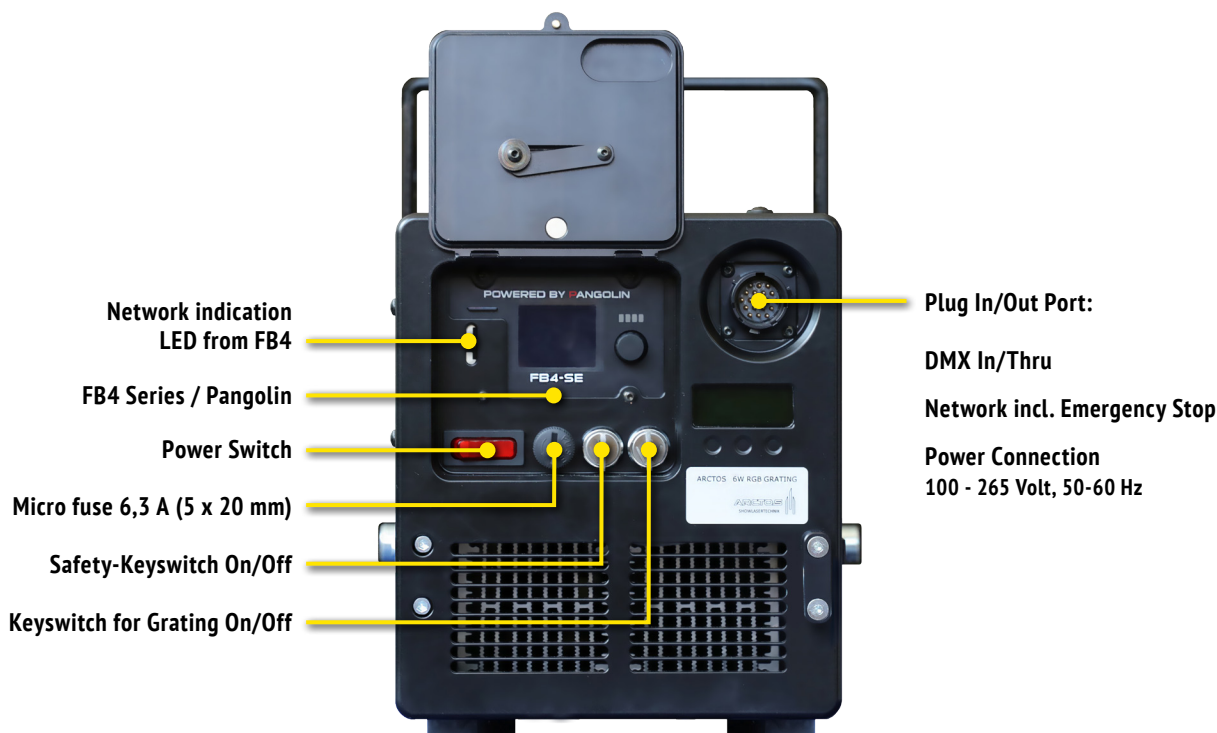
FB4 is a new customizable OEM hardware device, that allows you to control all projector and show control parameters, as well as giving you the ability to easily interface with other lighting and production equipment.

SCANNING SYSTEM

Scanner: EMS 8000

Scan angle: 60° max.

SIGNAL INTERFACE AND SOFT KEY FEATURES



Geometry

X/Y-invert /-size /-position

Color Settings

Digital RGB damping
Digital RGB bypass
Up to 6 analog mod. color channels

Scan Fail Safety

On/Off
Size control

DMX 512

Internal Pangolin
FB4 output card



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