

**JB LIGHTING**

# SPARX 12A

## WASHBEAM TWINZOOM



Up to  
**10,500 lm**  
Output

**19x**  
**40 Watt**  
LED power

**Zoom**  
**7° - 65°**  
(1:9.3)

**only**  
**29 dB(A)**  
extremely  
quiet

**only**  
**15.5 kg**  
weight

**Made in**  
**GERMANY**

The successor to the A12 BeamWash  
with special optics, inspiring luminosity and  
the best beam quality.

...JUST BRILLIANT

# Sparx 12A: The top illuminator with extra brightness and first-class features!

With 10,500 lumens, the Sparx 12A is in the same league as the A12 in terms of luminosity, but is far ahead of it technically. Light distribution and color mixing are comparable with Fresnel optics and are significantly more homogeneous than with the A12. The scattered light is just as low as its operating noise. The reasons for this include its special appearance and the perfect interaction of heat pipe cooling and whisper-quiet ventilation. The equipment package of the Sparx 12A is of course state of the art, and in direct comparison with the A12, it is also ahead in terms of zoom range.

## STEPLESS ZOOM: 7°–65° (1:9.3)

The Sparx 12A has been specially optimised for lighting applications and this is also evident in the TwinZoom (7°–65°, at 1/2 peak: 7°–39°, 1/10 peak: 11°–65°). Its fast, extremely precise pan-tilt movements and zoom changes – from maximum wide to minimum narrow – make it far superior to the A12 in terms of dynamics and manoeuvrability.



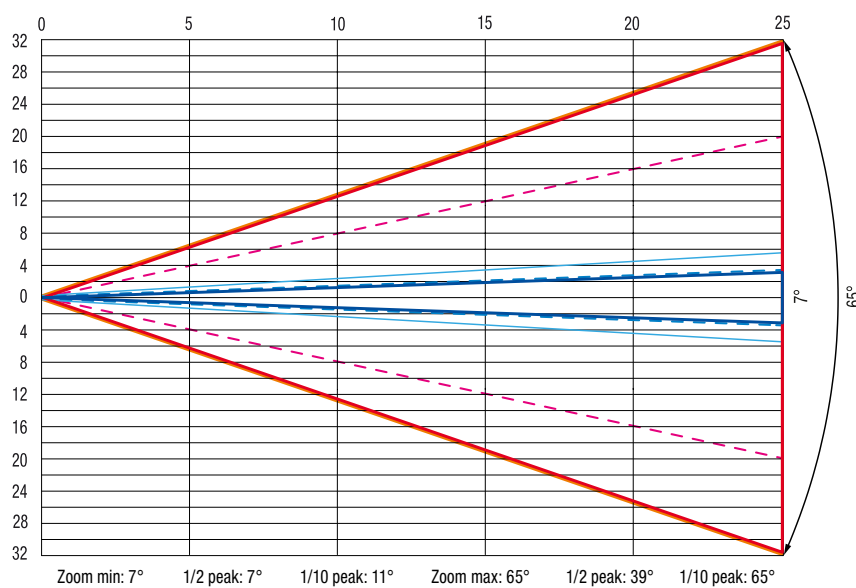
Narrow beam with minimal zoom: 7°



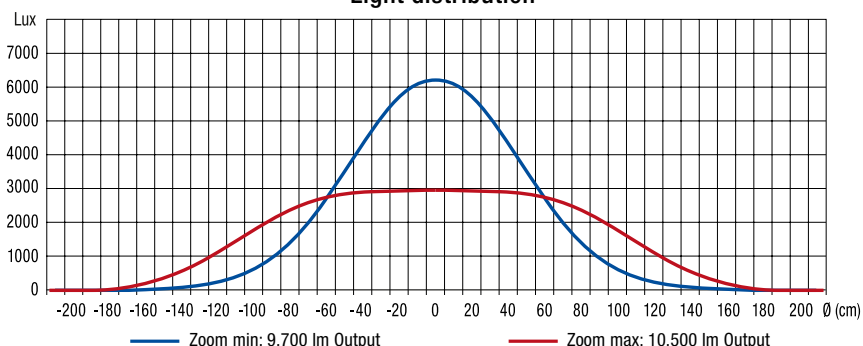
Wide beam distribution at a maximum zoom of 65°



2-color TwinZoom effect



Light distribution

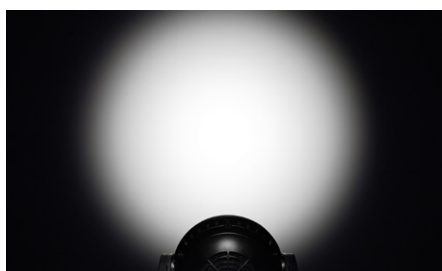


## IDEAL BEAM PROPERTIES

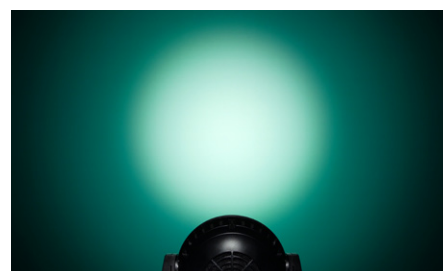
Thanks to its optical system and the TwinZoom, the beam characteristics of the Sparx 12A can be precisely defined, creating customized beam edges ranging from hard edge to soft edge – whether single or multi-color, with or without the Beamshape (accessory).



Hard Edge



Soft Edge



TwinZoom



**Sparx 12A, the modern successor to the legendary  
A12 BeamWash with features such as:**

- Patented TwinZoom from 7°–65° (1:9.3)
- 19x 40 W LED power with max. luminosity of 10,500 lm
- Optimised, extremely homogeneous color mixing behaviour
- Beams optimised for scattered light without color deviations in the edge area
- Stepless, true-color dimming from 0–100%
- Flicker-free operation, camera mode up to 600 Hz
- Whisper-quiet 29 dB(A) in theatre whisper mode
- LED single-pixel control, multi-layer effect, electronic strobe, sparkle channel, etc.
- Prepared for operation via battery pack
- High zoom speed
- Separate CTC channel
- Adjustable basic color temperature:

2700 K

3200 K

4200 K

5600 K

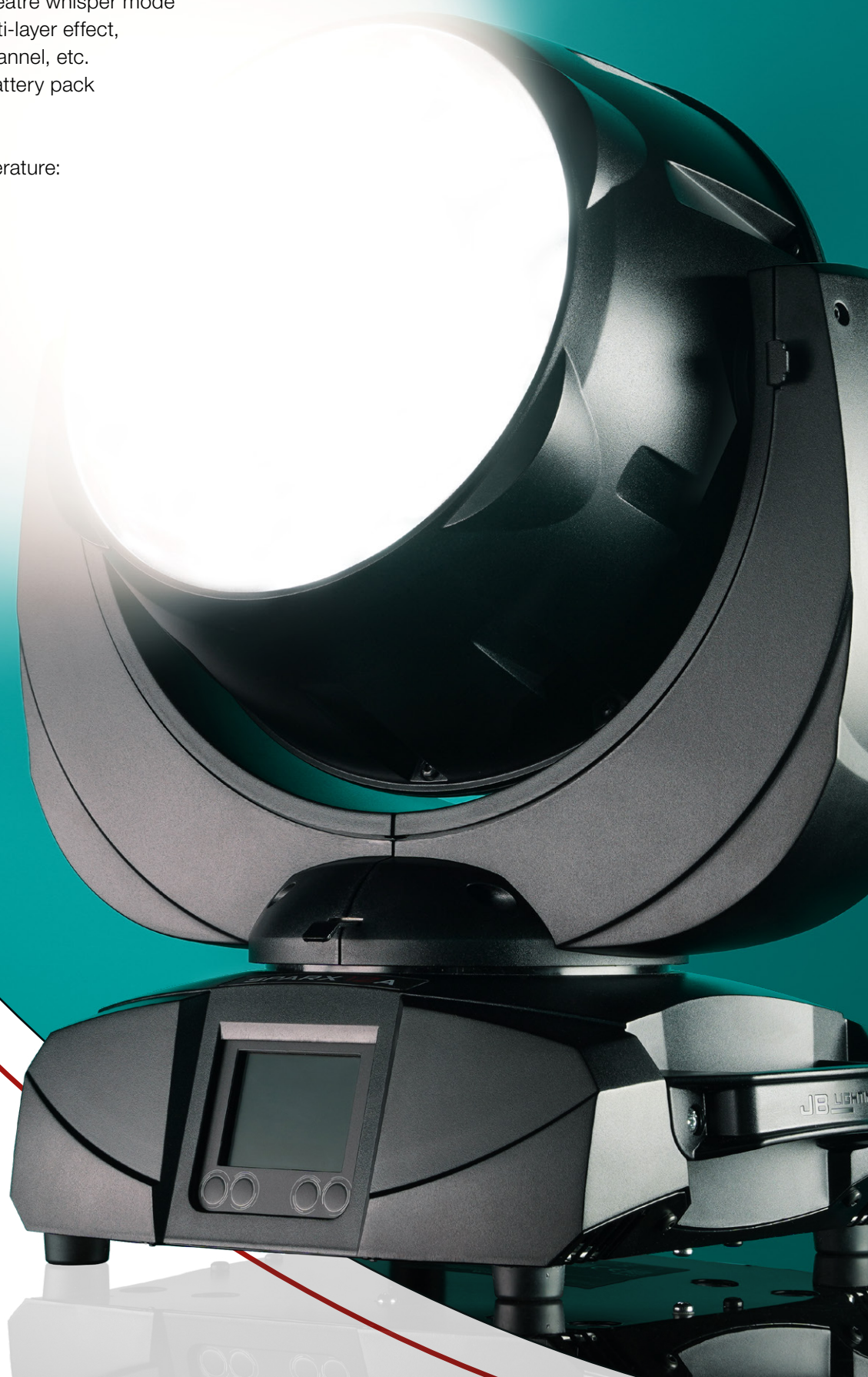
6000 K

6500 K

7000 K

8000 K

You can find all further information  
on the Sparx 12A Washbeam:  
[www.jb-lighting.de/en](http://www.jb-lighting.de/en)



## Technical specifications:

### Optics and light source

- 19 RGBW Osram high-performance LEDs of 40 W each
- Optimised for the light distribution of Fresnel optics with up to 10,500 lm Output
- > 20.000 h life time
- Flicker-free operation, camera mode: 100, 120 and 600 Hz
- TwinZoom system: Zoom range 7° – 65° (1:9.3)
- Highly efficient optics for perfect color mixing
- Minimal scattered light due to internal blades
- Encapsulated optical system
- Light emission diameter: Ø 240 mm

### Effects

- Individual LED control – Single pixel control
- Sparkle channel for dynamic effects
- Multiple layers with independent patterns can be stacked on top of each other
- Countless color and pattern combinations
- Separate CTC channel from 2000 – 13000 K
- Optimised color mixing behaviour
- Color-accurate, high-resolution and steplessly dimming 0–100%
- Electronic strobe with pulse and random effects
- TwinZoom effects: Multicolor beams and innovative beam shapes
- Basic color temperature can be selected: 2700 K, 3200 K, 4200 K, 5600 K, 6000 K, 6500 K, 7000 K or 8000 K

### Movement

- 3 phase extra strong stepping motors
- Precise, very fast and silent movement
- 540° Pan / 238° Tilt

### Control and programming

- USITT DMX-512, RDM
- Ethernet interface with Art-Net, sACN and Kling-Net
- Wireless DMX / RDM Lumen Radio CRMX TiMo
- Bluetooth, WiFi
- LCD display with function keys and battery buffer, electronically rotatable
- Micro USB for software update
- Stand-alone mode, Master/Slave function
- Error analysis and DMX analysis

### Construction

- Robust, roadworthy design
- Transport lock for pan/tilt
- Individually changeable LEDs
- High-tech heat pipe cooling in conjunction with calibrated silent fans for virtually noiseless operation at 29 dB(A)
- Neutrik 5pin XLR IN/OUT
- RJ45 IN/OUT network socket
- Power IN/OUT
- 5pin IN/OUT socket (prepared for battery operation)

### Rigging

- 2 Omega brackets with Original Camloc® fasteners for quick and convenient installation, with four different fastening options

### Electrical and thermal specification

- Maximum power consumption 750 VA
- Supply voltage 100V–240 V, 50/60 Hz
- Total heat dissipation (calculated): 2,560 BTU/h
- Ambient temperature: 0° to 45°C (note the warm-up phase)

### Mechanical specifications

- Dimensions: W 404 x D 265 x H 491 mm
- Weight: 15.5 kg



### Scope of delivery

- Schuko on powerCON TRUE1, flexible rubber cable (2 m long, 3 x 1.5 mm²)
- 2 Omega brackets

### Warranty

- Device: 2 years
- LEDs: 4 years

### Accessories

- Beamshape (Code ZU0027), initial assembly at the factory required
- AMPTOWN double (Code CASE42)
  - with SiP foam inlet, stacking troughs and a scan window
  - Dimensions: W 65 x D 60 x H 72 cm
  - Weight without (incl. fixtures): approx. 36 (67) kg
- AMPTOWN 4-compartment (Code CASE43)
  - with SiP foam inlet, stacking troughs and a scan window
  - Dimensions: W 127 x D 60 x H 72 cm
  - Weight without (incl. fixtures): approx. 62 (124) kg



# JB LIGHTING

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