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ZOOM TO THE MAX

JBLED A7

JBLED A7

JBLED A7 RGB code VCA701EU

JBLED A7 RGB code VCA701US

36 red, 36 green, 36 blue
Luxeon high power LEDs

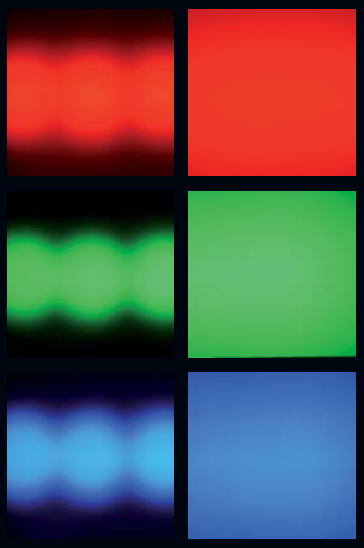
optionally available in customized colours

JB-lighting presents the JBLED A7 Zoom which was awarded with the PLASA Silver Award as the first LED-based washlight with an optical zoom system.
The JBLED A7 Zoom features 108 Luxeon high-power LEDs, which are packed with higher density than already existing designs and therefore enable an even mixing of colours. With the selection and number of LEDs used, it´s possible to present the maximum colour range. A maximum light yield is achieved, for light colours and even for white. The JBLED A7 Zoom performs in the brightness range of a washlight with 700W discharge lamp.
JB-lighting has achieved a major success with the improvement of the optical system. It was necessary to develop an customized, innovative and highly efficient lens system, as the optics currently available are not suitable for a zoom system. **The zoom range of the JBLED A7 Zoom covers a remarkable 12°-36° (1/10 peak), 8°-28° (1/2 peak, FWHM).**

Colour mixing and optical system: With LED washlights it is all about colour. The JBLED A7 offers 8bit or 16bit control for RGB channels as well as a colourwheel modulation channel with rainbow effect at variable speed. The colour temperature can be controlled by means of a CTC-channel from 6000 K to 2900 K.

The excellent optical system is not just highly efficient. It convinces by it´s capability to achieve clearly defined light beams with minimal straylight, which is outstanding compared to conventional optical LED solutions. The combination of the superior optical system and the motorized 12°-36° (1/10 peak), 8° to 28° (1/2 peak, FWHM) zoom positions the JBLED A7 as an adequate substitute for conventional washlights.

Illumination and dimming: The JBLED A7 is perfectly suitable to illuminate screens due to it´s capability of an even and uniform colour mixing. Diffusion filters can be attached. This new LED technology is capable to achieve a maximum of light output even in white, far beyond the results, obtainable with former LEDs.
True colour dimming without colour shifts during dimming, plus the 0-100% intensity range with slow fade-ins and fade-outs distinguish the JBLED A7 and imitate very successful the characteristics of a halogen light source.



Zoom 12° (1/10 peak)

Zoom 36° (1/10 peak)

Pictures: JBLED A7 and JB-Varyscan P6

JBLED A7

JBLED A7 cold white/amber code VCA704EU
JBLED A7 cold white/amber code VCA704US
36 amber high power LEDs
72 cold white high power LEDs

JBLED A7 warm white code VCA703EU
JBLED A7 warm white code VCA703US
108 warm white high power LEDs

JBLED A7 cold white code VCA702EU
JBLED A7 cold white code VCA702US
108 cold white high power LEDs

The latest generation of white LEDs achieve enough luminous output to be used as a substitute for conventional white light. White light sources are often in relatively big housings with a lot of heat emission, low efficacy, and depending on light source a strong UV radiation. A LED-based and in addition positionable fixture offers enormous advantages at a number of applications.

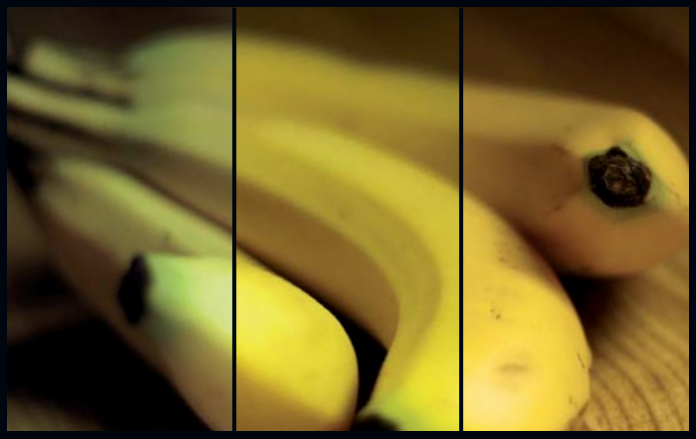
Each white light application requires a specific colour temperature. The JBLED A7 is therefore available in three different white LED assemblies. All models feature the same size, design and optical zoom system.

VERSIONS

The JBLED A7 warm white uses warm white LEDs with a colour temperature of 3000 K as a light source. This model is suitable for front light applications even for tall stages with high ceilings and longer distances due to its remarkable light output.

The unit with cold white LEDs at a colour temperature of 6000 K was designed for trade show and object illumination applications. The use of LED technology can reduce the costs of a trade show remarkably. The compact and lightweight construction does not need heavyweight trussing constructions and saves truck space and cost of transportation. The users benefit in addition from highly efficient and power saving LEDs.

The third model carries 72 cold white LEDs and 36 amber LEDs. This unit is suitable for those who work in various applications under different conditions. The colour temperature can be adjusted from 6000 K to 4000 K.



Perfect illumination with variable colour temperature.

Noise level: Particular attention was paid on a noise reduced performance of the JBLED A7. The two fans perform at a very low noise level due to their size and air flow rate. The JBLED A7 can be set to studio mode if further noise reduction is required. Pan and tilt movements are driven by nearly noiseless 3-phase stepping motors. The JBLED A7 is first choice when it comes to noise sensitive applications such as theatres and TV-studios.

This is an example for the illumination of a booth at a trade show. Enlightened by just **one** JBLED A7 in cold white.

FLIGHTCASE 4 COMPARTMENT code CASE15

Dimensions:	80 x 60 x 60 cm
Weight:	without fixtures approx. 50 kg

FLIGHTCASE 6 COMPARTMENT code CASE16

Dimensions:	120 x 60 x 60 cm
Weight:	without fixtures approx. 63 kg

Professional SiP-Series AMPTOWN-Flightcase. Made of 10mm birch plywood, laminated both sides, with recess butterfly catches and 8 x recess large handles.
Barcode-window dish available for each fixture, heavy duty locking (break) blue wheels.
Spares compartment for omega brackets, hook clamps etc, SiP-Insert made with Amptowns unique foam and rubber finish.

WIRELESS TRX code ZU0009

The JBLED A7 is equipped with an embedded radio DMX-in module and can be radio controlled with JB-lightings Wireless TRX without using any further accessories.
The JBLED A7 is able to show the received field strength on its display due to the embedded radio-DMX module.
The JB-lighting Wireless TRX uses the 2,4 GHz frequency band and can operate as a sender or a receiver.

OMEGA BRACKET code BLOB02

The JBLED A7 is being installed by means of omega brackets with original Camloc connectors which can be locked without a lot of power or the use of tools. There are 5 different rigging variations of the omega bracket to make sure that the fixture can be attached to any kind of trussing system without problems.
An omega bracket is optionally available for single clamp attachement.

OPTICS AND LIGHT SOURCE

- Zoom optics 12°-36° (1/10 peak), 8°-28° (1/2 peak, FWHM)
- Highly efficient lens system
- 108 Luxeon high power LEDs

EFFECTS

- 450° Pan / 330° Tilt movement
- Additive colour mixing 8bit or 16bit
- Separate CTC channel
- Optimised colour mixing performance through LEDs packed in higher density
- High resolution electronic dimmer 0-100%
- True colour dimming
- Electronic strobe with pulse and random effects

MOVEMENT

- High-resolution three-phase stepper motors
- Precise and fast movements
- extremely quiet, suitable for noise-sensitive applications

CONTROL

- DMX-512
- Embedded DMX-In module for JB-lighting Wireless DMX
- Illuminated graphics display, electronically revolvable
- Stand-alone mode

POWER CONSUMPTION

- Max. 350VA, 90-240V, 50-60 Hz

CONSTRUCTION

- Compact housing
- 3pin and 5pin XLR connectors
- Silent, temperature-controlled additional fans
- Omega brackets for quick and easy mounting in any orientation
- Dimensions: 320 x 370 x 200 mm
- Weight: 8.8 kg

ACCESSORIES

Wireless TRX

Honeycomb aperture

Filter frame

Diffusion plate

Omega bracket for single clamp attachment

2-compartment flightcase

4-compartment flightcase

6-compartment flightcase

The JBLED A7 is optionally available in customized colours.

Winner of the
PLASA SILVER AWARD FOR INNOVATON
The judges were particularly impressed that being an LED washlight, the JBLED A7 Zoom features zoom optics thus heralding a new era of LED technology with additional functionality.

In the southern part of Germany, located right in the middle between Stuttgart and Munich, JB-lighting creates, develops and produces intelligent lighting equipment since 1987. The company is characterised by a high degree of vertical integration. All relevant production steps are being performed in-house.

- Development of hard- and software
- Machining of different materials, such as metal, glass, plastic
- Circuitboard assembly
- Final assembly of lighting control consoles and moving-lights

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PERFORMANCE & RELIABILITY

JB LIGHTING