



Mythos<sup>2</sup> features a new and reliable Osram Sirius HRI 440W lamp, which ensures the extraordinary performances that have made the success of MYTHOS worldwide. Mythos 2 is an excellent spotlight, which produces an outstanding large light beam, featuring a zoom that ranges from 4° to 50° (1:12 ratio). Light beam is sharp, with perfectly defined edges, from the first millimeters after the front lens right along its entire length. The zoom is optimized for focusing, which is separate from that of the fixed and rotating gobos. Its movements are smooth, fast and very quiet. Mythos 2 also features an indexed visual effect disc, which may be superimposed on all the gobos, both in and out of focus. But Mythos 2 is also an extraordinary beam light, allowing you to switch to a minimum fixed beam angle of just 2.5°. A large, very dense, 160 mm-diameter light beam leaves the Mythos's front lens and remains parallel for its entire length even at great distances. Mythos 2 is a very versatile tool, which is useful in any situation and therefore an excellent investment.

- Osram Sirius HRI 440W discharge lamp - Large 160mm diameter front lens
- Electronic focusing for a perfectly sharp light beam along its entire length
- 4° - 50° electronic zoom (Spotlight mode) - 2.5° aperture and "pipe" effect (Beam mode)
- CMY color mixing with gradually fading color wheels - 14 special color filters on three wheel
- 2 CTO filters (3200 K and 2500 K) + 1 CTB filter - Wheel with 6 HQ dichroic rotating gobos
- Wheel with 18+1 fixed metal gobos - 6 beam reducer filters on the gobo wheel
- Advanced visual effect disc (animation disc)
- 2 indexable rotating prisms (8-facet and linear 4-facet prism) - Frost filter for soft-edge projection
- High precision dimmer and stop-strobe effect - Rapid and extensive pan and tilt movements
- High performance electronics and firmware - Art-Net / RDM
- Patented Italian Design

## **POWER SUPPLIES**

AC power input Neutrik PowerCON TRUE1 (IP65)  
115/230V 50/60 Hz  
Automatic power supply switching

## **INPUT POWER**

700VA at 230V 50Hz

## **LIGHT SOURCE**

440W discharge lamp  
- Type: OSRAM SIRIUS HRI® 440W  
- Life: 1,500hrs  
- Luminous flux: 22,000 lm  
- Cap by faston TM 250 (6.35 mm)

## **OPTICS**

160mm diam. front lens  
Electronic focusing for a perfectly sharp light beam along its entire length  
Zoom ranging from 4° to 31° for fixed gobos sharp focusing  
Zoom range from 6.7° to 50° for rotating gobos sharp focusing  
BEAM mode with 2.5° aperture and “pipe” effect

## **COLOR SYSTEM**

CMY color system based on 3 gradually fading color wheels  
14 color filters on three wheels  
2 CTO filters (3,200K and 2,500K) + 1 CTB filter

## **EFFECTS SECTION**

2 gobo wheels:  
- wheel with 6 HQ dichroic, indexable and interchangeable rotating gobos (Ø 25.9mm).  
- Interchangeable and variable rotating wheel with 18+1 fixed metal gobos (including 6 beam reducers).  
Selectable Gobo-Shake function  
Advanced Visual Effect Disc (Animation disc)  
2 indexable and interchangeable rotating prisms (8-facet and linear prism)  
Frost unit to soften the beam edge  
High precision 0-100% dimmer  
Mechanical shutter and adjustable speed strobe effect

## **CONTROL AND PROGRAMMING**

30/34 DMX 512 control channels  
DMX protocol signal: USITT DMX 512  
Art-Net / RDM  
Display: Graphic LCD backlit b/w Display  
Pan/Tilt Resolution: 16 bit  
Gobo Indexing Resolution: 16 bit  
Focus Resolution: 16 bit  
Dimmer Resolution: 16 bit  
Movement control: vectorial  
DMX signal connection: 5 pole XLR input and output  
Software upload through DMX input

## BODY

Aluminum structure with die-cast plastic cover. Two side handles for transportation.  
Device locking PAN and TILT mechanisms for transportation and maintenance.

## MOVING BODY

Angle:

- PAN = 540° - TILT = 244°

Resolution:

- PAN = 2.11° - PAN FINE = 0.008°

- TILT = 0.960° - TILT FINE = 0.004°

Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.

## ELECTRONICS

Long life self-charging buffer battery. Pre-set macros. Function reset from control unit

"ENERGY SAVING" function: with the stop or total dimmer effect on, or with all the CMY filters full (black), consumption cut by 50%. ON/OFF lamp control from the lighting desk.

Function reset from the lighting desk. "AUTOTEST" function from menu

Electronic monitoring with status error. Cooling system monitoring.

DMX level monitoring on all channels. Internal data transmission diagnostics.

Firmware Upgrade with no power. Firmware upload from another fixture.

## SAFETY DEVICES

Bipolar circuit breaker with thermal protection. Automatic break in power supply in case of overheating or failed operation of cooling system. Forced ventilation with axial fans.

## WORKING POSITION

Working in any position. Hanging system: with fast-lock omega clamps (1/4 turn) on the base

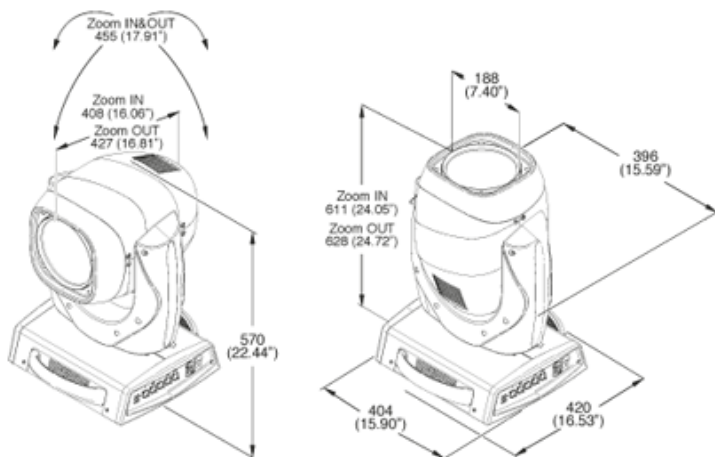
## CE MARKING

In conformity with the European Directives:

- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU - Electromagnetic Compatibility (EMC)
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
- 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

## WEIGHT & DIMENSIONS

32 kg (70.54 lbs)



# ALLEN & HEATH

*manufactured by:*  
Allen & Heath Limited,  
Kernick Industrial Estate,  
Penryn,  
Cornwall, UK.

*Registered office:*  
Allen & Heath Limited,  
Kernick Industrial Estate,  
Penryn,  
Cornwall, TR10 9LU.  
*Registered in England No: 4163451*

## EU Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer.

### The Directives covered by this Declaration

2014/30/EU The Electromagnetic Compatibility Directive.  
2014/35/EU The Low Voltage Equipment Directive.  
2009/125/EC The Eco-design requirements for Energy related products. (ErP)  
2011/65/EU The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment Directive. (RoHS 2)

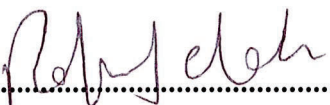
### The Product(s) covered by this Declaration

dLive DM32	Digital Audio Mixrack	All voltage variants.
dLive DM48	Digital Audio Mixrack	All voltage variants.
dLive DM64	Digital Audio Mixrack	All voltage variants.

### The Basis on which Conformity is being declared

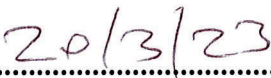
The product(s) specified above complies with the requirements of the relevant Union harmonisation legislation by conforming to the following standards:

EN 55032 : 2015 Electromagnetic Compatibility of Multimedia Equipment - Emissions.  
EN 61000-3-2 : 2014 Limits for ac Current harmonic – Emissions.  
EN 61000-3-3 : 2013 Limits of voltage changes, fluctuations and flicker.  
EN 55035 : 2017 Electromagnetic Compatibility of Multimedia equipment – Immunity requirements.  
EN 62368-1 : 2014 Audio/video, information & communication technology equipment: Safety Requirements.

Signed: ..... 

**Robin J Clark.**  
Allen & Heath Ltd, Kernick Industrial Estate,  
Penryn, Cornwall, UK

Authority: **Managing Director**

Date: ..... 



## Attention!

To maintain compliance with the above directives, attention is drawn to the product User Guide for instructions on correct installation and operation which must be observed when the product is taken into service.

# ALLEN & HEATH

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2009/125/EC The Eco-design requirements for Energy related products. (ErP)  
2011/65/EU The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment Directive. (RoHS 2)

### The Product(s) covered by this Declaration

dLive S3000	Digital Audio Console	All voltage variants.
dLive S5000	Digital Audio Console	All voltage variants.
dLive S7000	Digital Audio Console	All voltage variants.

### The Basis on which Conformity is being declared

The product(s) specified above complies with the requirements of the relevant Union harmonisation legislation by conforming to the following standards:

EN 55032 : 2015 Electromagnetic Compatibility of Multimedia Equipment - Emissions.  
EN 61000-3-2 : 2014 Limits for ac Current harmonic – Emissions.  
EN 61000-3-3 : 2013 Limits of voltage changes, fluctuations and flicker.  
EN 55035 : 2017 Electromagnetic Compatibility of Multimedia equipment – Immunity requirements.  
EN 62368-1 : 2014 Audio/video, information & communication technology equipment: Safety Requirements.

Signed: ..... 

**Robin J Clark.**

*Allen & Heath Ltd. Kernick Industrial Estate,  
Penryn. Cornwall. UK*

Authority: **Managing Director**

Date: ..... 



## Attention!

To maintain compliance with the above directives, attention is drawn to the product User Guide for instructions on correct installation and operation which must be observed when the product is taken into service.

# Declaration of Conformity

## CE EU Declaration of Conformity

**Manufacturer:**

MA Lighting Technology GmbH

Dachdeckerstraße 16  
97297 Waldbüttelbrunn  
GERMANY

---

*declares that the products*

---

**Name of product:**

- grandMA2 onPC command wing
  - grandMA2 onPC fader wing
- 

*are conform to the following directives and harmonized standards*

---

**Safety:**

**2014/35/EU (Low Voltage Directive)**

- EN/UL 60065:2003
  - CAN/CSA-C22.2 No. 60065/A1:2006
- 



**EMC:**

**2014/30/EU (electromagnetic compatibility)**

- EN 55032:2016-02 (Class A)
  - EN 61000-3-2
  - EN 55103-2:2009 (E1, E2, E3)
- 

**RoHS:**

**2011/65/EU (RoHS II)**

- EN50581:2012
  - WEEE-Reg.-NR. DE 14150988
- 

**Additional information:**

All data lines and signal lines must be shielded and the shielding must be connected to the grounding or the housing of the connector.

Waldbüttelbrunn, November 07, 2016

Dipl.-Ing. Michael Adenau (CEO)

A handwritten signature in black ink, appearing to read 'M. Adenau', written in a cursive style.

## RoHS and REACH Compliance Declaration

**D.T.S. Illuminazione srl** applicable product(s): All products.

### RoHS Compliance

Products made by **DTS Illuminazione srl** are complied with the RoHS Directive (EU Directive 2002/95/EC and subsequent amendments). RoHS COMPLIANT means that the substances restricted by the EU Directive 2011/65/EU (RoHS2) and EU Directive 2015/863/EU (**RoHS3**) and subsequent amendments of the European Parliament are not contained in a finished product above threshold limits stated below, except at trace level due to unintentional impurities.

EU RoHS specifies maximum levels for the following 10 restricted substances. The first six applied to the original RoHS while the last four are added under RoHS3, **from May 2020**.

- Cadmium (Cd): < 100 ppm
- Lead (Pb): < 1000 ppm
- Mercury (Hg): < 1000 ppm
- Hexavalent Chromium: (Cr VI) < 1000 ppm
- Polybrominated Biphenyls (PBB): < 1000 ppm
- Polybrominated Diphenyl Ethers (PBDE): < 1000 ppm
- Bis(2-Ethylhexyl) phthalate (DEHP): < 1000 ppm
- Benzyl butyl phthalate (BBP): < 1000 ppm
- Dibutyl phthalate (DBP): < 1000 ppm
- Diisobutyl phthalate (DIBP): < 1000 ppm

### REACH Compliance

The REACH Regulation Nr. 1907/2006 of the European Community, concerning the registration, the evaluation and the authorization of the chemical substances, has come into force since 01/06/2007.

The instructions of the regulation provides that who produces or imports from Extra EEC Countries a substance as such or contained in a preparation or in an article in a quantity equal or higher than 10 tons/year, is obliged to register it at the responsible European Agency (ECHA) with timing and modalities defined by the regulation itself, depending on both the quantity and the risk factors.

The preparations needn't be registered but the substances they contain must be registered in accordance with the regulation instructions.

**D.T.S. Illuminazione srl** is therefore not obliged to register its products.



**D.T.S. Illuminazione srl** takes on also to assure itself and its customers that the substances contained in its own products will be pre-registered and/or registered.

To do that, we have taken the following actions to achieve REACH-compliance:

1. We request at all of our suppliers a declaration for compliant to REACH and assurance of pre-registered all affected substances.
2. We use only materials where no substances of very high concern (SVHC) are present. Our suppliers have confirmed that the necessary raw materials will be available under REACH.

We can confirm that our products are made with raw materials that do not contain any of the SVHC included in the candidate list which has been published on **June 2023** as part of their formulation.

Disclaimer: The information above is accurate to the best of our current knowledge, but given without any guarantee.

***D.T.S. Illuminazione srl** does not make specific controls on raw materials and on the finished product, so it is conceivable that some of the substances listed in the regulations mentioned may be present as impurities not intentionally added.*

***D.T.S. Illuminazione srl** does not guarantee compliance with REACH and RoHS directives of the products we acquired from third parties.*

Misano Adriatico (RN), ITALY 29/11/2023



Dante Latteo

-----  
Signature (Legal representative), Stamp



Marine & Offshore

Certificate number: 26673/C0 BV

File number: ACE1/757/2

Product code: 2501H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

www.veristar.com

## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**NEXANS**

BOHAIN - FRANCE

*for the type of product*

**CABLES (LOW VOLTAGE)**

450/750V up to 0.6/1kV

TITANEX PREMIUM

### Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.

IEC 60092-350 (2020), IEC 60092-353 (2016), IEC 60092-360 (2021)

IEC 60228 (2015)

IEC 60332-1-2 (2005)

IEC 60811 (2012)

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 18 Oct 2027**

**For Bureau Veritas Marine & Offshore,**

At BV VALENCIENNES, on 18 Oct 2022,

Philippe Calbet

***This certificate was created electronically and is valid without signature***



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=uep9bao212>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### **1. PRODUCT DESCRIPTION:**

- Product model or type designation:

**Titanex Premium Type**

- Product description:

Flame retardant Marine and Offshore Power, Lighting and Control cables

#### **1.1 - Specification:**

Rated Voltage:	450/750V or 06/1kV
Temperature Class:	90°C
Flame retardant:	IEC 60332-1-2

#### **1.2 - Construction:**

Conductor:	Stranded plain copper wire, Class 5
Insulation:	EPR
Sheath:	SE

#### **1.3 - Product Range:**

Type	Number of cores	Cross-Section area (mm <sup>2</sup> )
TITANEX PREMIUM	1	1.5 to 630
	2	1.5 to 25
	3	1.5 to 300
	4	1.5 to 240
	5	1.5 to 150
	6 to 37	1.5 to 16

### **2. DOCUMENTS AND DRAWINGS:**

Specification dated 60 Jun 2022.

### **3. TEST REPORTS:**

Nexans Test Report Conformity approval for cables 450/750V or 0.6/1kV N° 122011-1 dated 16th November 2011.

Nexans Test Report Conformity approval for cables 450/750V or 0.6/1kV N° 122011-3 dated 23th December 2011.

Nexans Test Report Flame retardant test N°11/03/03 dated 02th March 2011.

Nexans Routine Test Report N°122011-0/2 dated 14th December 2011.

Tests Report No: 20170530 dated 18 May 2017.

### **4. APPLICATION / LIMITATION:**

BUREAU VERITAS Rules for the Classification of Steel Ships.

### **5. PRODUCTION SURVEY REQUIREMENTS:**

5.1 - The above products are to be supplied by **NEXANS** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **NEXANS** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **NEXANS** has declared to Bureau Veritas the following production site:

**NEXANS**  
**48, rue Paulin Pecqueux**  
**02110 BOHAIN**  
**FRANCE**

**6. MARKING OF PRODUCT:**

The cable shall be marked on the surface outer sheath, in a durable legible and visible manner, with the following information through the length of cable:

- 6.1 - Voltage grade
- 6.2 - Cable symbol and temperature class
- 6.3 - Number of conductors and conductor size
- 6.4 - Applicable standard(s) to flame retardant
- 6.5 - Manufacturer's name or trade mark
- 6.6 - Year of manufacture

**7. OTHERS:**

7.1 - It is **NEXANS'** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate No. 26673/B0 BV issued on 21 Jul 2017 by the Society.

**\*\*\* END OF CERTIFICATE \*\*\***



**RCF SpA**

(Con socio unico)

Sede legale e operativa: via Raffaello Sanzio, 13

Sede amministrativa: via Ettore Majorana, 1

42124 Reggio Emilia · Italia

Tel. +39 0522 274 411 · Fax +39 0522 232 428 · www.rcf.it · info@rcf.it

Posta Certificata: amministrazione.rcf@pec.rcf-group.it

REG. IMP. R.E. 04081310965 - R.E.A. 249658 · C.F./P. IVA 04081310965

Codice destinatario: P4IUPYH - Reg. RAEE R.E.: IT08020000000431

Capitale Sociale € 2.200.000,00 interamente versato

Società soggetta a direzione e coordinamento da parte di RCF GROUP S.p.A.

Reggio Emilia, August 27, 2024

To whom it may concern

**Subject:** RCF products

We undersigned RCF Spa, seated in Reggio Emilia, Italy, via Raffaello Sanzio 13, kindly inform that, in case of new orders of the RCF models HDL 20-A line array (p/n 13040007) and SUB 8006-AS subwoofer (p/n 13000372) the production date of those products will not be older than 2014.

Best Regards,

Luca Ombrati

RCF Sales Manager

**RCF SPA**



### A.LEDA B-EYE K20

#### Perfect Wash, Amazing Beam, Spectacular Graphic Effects

The A.leda B-EYE K20 is a high performance wash light, a breathtaking beam light, and a creator of completely new spectacular visual effects. Its unparalleled versatility makes it an extremely interesting creative tool for all lighting designers. The B-EYE is first and foremost an excellent quality wash light. It is able to wash surfaces with colors at any distance, making the most of its light source. B-EYE is brighter than any LED-wash with the same rated power, thanks to its special optical unit with a truly amazing lumen/watt ratio, designed and built by Clay Paky. The zoom ranges from 4° to 60° and it is therefore suitable both for environments with low ceilings (small theatres and TV studios, for example), where large angles are extremely useful, and for shows in arenas or large environments, where a tight zoom is perfect. When the B-EYE beam is zoomed down to 4°, the "wash" light turns into a "beam" fixture. The B-EYE therefore becomes a surprising mid-air parallel effect light, capable of generating a pulsating beam of micro-rays, which may be controlled individually, each with its own colors and shades. All the parameters of each LED can be completely controlled. Lastly, the B-EYE K20 introduces a completely new feature: the front lens may be rotated to create lots of small bright compositions, which may be opened and closed like petals. By adding colors and dynamic graphics, the B-EYE generates never-seen-before graphic light effects.

- Source Type: RGBW LEDs - LED Nominal Wattage: 15W
- Number of LEDs: 37
- Versatile, three operating modes: wash, beam, FX effect
- Unique optical system, featuring unmatched zoom range (4°-60°) and even light spread
- Individual LED control for each parameter - Invisible front grid
- Beam edge softening control (in wash mode)
- Exclusive parallel beam consisting of an array of individually controllable micro-beams
- Enhanced electronic engine for dynamic beam pattern design, with digital accuracy and repeatability
- Art-Net / RDM
- Rotating front lens for countless vortex effects, for aerial or "kaleidoscopic" projection use
- White CT Emulation 2500-8000K
- RGB auto-tuning to lamp CT Emulation - Tungsten Lamp Emulation

### POWER SUPPLIES

100-240V 50/60Hz

### INPUT POWER

750VA

### LIGHT SOURCE

37 Osram Ostar RGBW LEDs

LED Nominal Wattage: 15W

LED Average Life: 50,000 h

### OPTICS

4°-60° Electronic Zoom Range

### EFFECTS SECTION

Three operating modes: wash, beam, FX (Kaleido effects)

Bi-directional Rotating Front Lens

Digital Wash-Beam Framing effect

Beam edge softening control (in Wash mode)

Pixel Patterning Macros with enhanced control

0-100% linear electronic dimmer

Adjustable speed stop/strobe effect, with instantaneous blackout

Dedicated channel for color temperature setting

White CT Emulation 2500-8000K

RGBW auto-tuning to lamp CT Emulation

Tungsten Lamp Emulation

Slow Strobe: 1 flash/sec; Fast Strobe: 25 flash/sec

### CONTROL AND PROGRAMMING

Control channels: 21 in standard mode

DMX protocol signal: USITT DMX 512

Art-Net / RDM

Display: Graphic LCD backlit b/w Display

Pan/Tilt Resolution: 16 bit

Dimmer Resolution: 16 bit

Movement control: vectorial

DMX signal connection: 3 and 5 pole XLR input and output

Software upload through DMX input

### BODY

Aluminium structure with die-cast plastic cover

Two side handles for transportation

PAN lock for transport and maintenance

### MOVING BODY

Movement by means of two stepper motors, controlled by microprocessor

Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit

Travel:

- PAN = 540°

- TILT = 210°

3

### ELECTRONICS

Long-life auto-charging buffer battery

Preset color and graphic effect macros

Function reset controllable from a central control unit

Menu-driven internal self-test function

Ethernet ready with RJ45 socket

Display: backlit black-and-white graphic LCD display

Electronic check-up of every single parameter with error alarm

DMX level monitoring on each channel

Automatic internal data transmission error diagnostics

Firmware upgrade even when the unit is not connected to the power supply

Firmware transfer from one light to another

### SAFETY DEVICES

Automatic power safety derating in case of overheat of the LED board

Forced ventilation

### WORKING POSITION

Working in any position

Hanging system: with fast-lock omega clamps (1/4 turn) on the base



### CE MARKING

In conformity with the European Directives:

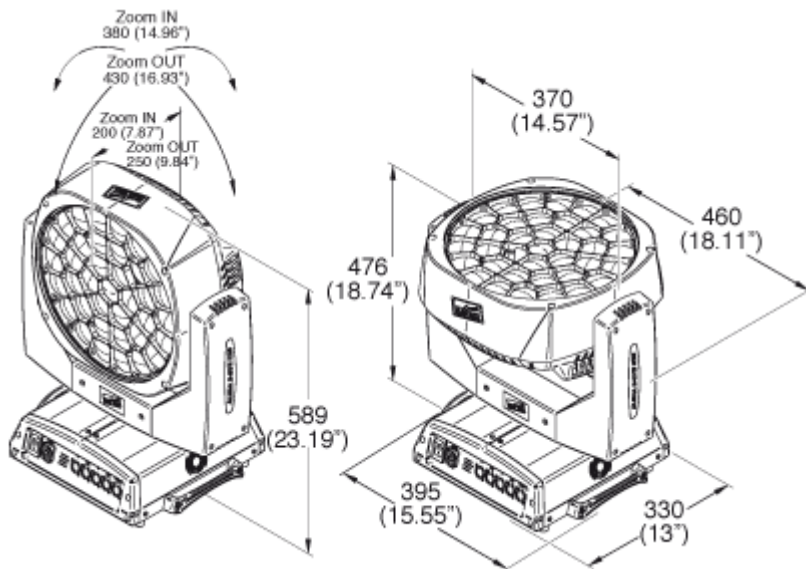
- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU - Electromagnetic Compatibility (EMC)
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
- 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

### ETL

This product is available, on demand, with cETLus Listed Mark, that complies with the UL 1573, UL 8750 and CSA C22.2 No. 166 standards.

### WEIGHT & DIMENSIONS

21 Kg (46.3 lbs)



# EU Declaration of Conformity



Accepting the responsibility for this declaration:

**RCF S.p.A.**

**Via Raffaello Sanzio 13 - 42124 Reggio Emilia - ITALY**

Declares the product(s):                   **HDL 10-A (W)**  
  **HDL 20-A**

*Letter "W" after name recognizes the white speaker enclosure*

Accessories:                                   -

Specific function:                           **ACTIVE LINE ARRAY MODULE**

Compliant with essentials requirements according to relevant directive and designated standard:

**LVD 2014/35/EU directive**

- EN IEC 62368-1:2014

**EMC 2014/30/EU directive**

- EN 55103-1:2009-07
- EN 55103-2:2009-07
- EN 6100-3-2
- EN 61000-3-3

**WEEE 2012/19/EC directive**

- EN 50419

**RoHS 2011/65/EC directive**

This declaration is issued on the basis of the results of tests performed.

Reggio Emilia    24/06/2022

**RCF S.P.A.**

\_\_\_\_\_  
(Dr. Remo Morlini, Managing Director)



# EU Declaration of Conformity



Accepting the responsibility for this declaration:

**RCF S.p.A.**

**Via Raffaello Sanzio 13 - 42124 Reggio Emilia - ITALY**

Declares the product(s):                   **SUB 8004-AS**  
  **SUB 8005-AS**  
  **SUB 8006-AS**

Accessories:                                    -

Specific function:                           **ACTIVE SUBWOOFER**

Compliant with essentials requirements according to relevant directive and designated standard:

**LVD 2014/35/EU directive**

- EN IEC 62368-1:2014

**EMC 2014/30/EU directive**

- EN 55032:2015
- EN 55103-2:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013

**WEEE 2012/19/EC directive**

- EN 50419

**RoHS 2011/65/EC directive**

This declaration is issued on the basis of the results of tests performed.

Reggio Emilia    22/07/2022

**RCF S.P.A.**

(Dr. Remo Morlini, Managing Director)



# TYPE CERTIFICATE



Czech

Registration number **10.766.622**

issued for the manufacturer:

**ROBE lighting s.r.o.**  
**Hážovice 2090**  
**CZ - 756 61 Rožnov pod Radhoštěm**  
**Company Registration No.: 64088791**

for the product:

Name: **Projector of Light Effects**  
 Type designation: **LW 1200**  
 Modification: **ROBIN 1200 LEDWash,**  
**ROBIN 1200 LEDWash/W**  
 Place of the production: **Palackého 416, 757 01 Valašské Meziříčí**

at which the certification has been conducted pursuant to ISO/IEC 17067 – scheme 3 certification scheme in accordance with TUV SUD Czech certification system. The results are stated in Evaluation report file No. 10.773.981 from 04.07.2017.

The product type mentioned above fulfils the applicable requirements of the following regulations/standards which were the basis for its evaluation:

**ČSN EN 60598-1 ed.6:2015 (idt EN 60598-1:2015),**  
**ČSN EN 60598-2-17+A2:1995+Opr.1:1995 (idt EN 60598-2-17:1989+A2:1991),**  
**ČSN EN 55032 ed.2:2016 (idt CISPR 32:2015),**  
**ČSN EN 55103-2 ed.2: 2010+Z1:12 (idt EN 55103-2:2009),**  
**ČSN EN 61000-3-2 ed.4:2015 (idt. IEC 61000-3-2:2014),**  
**ČSN EN 61000-3-3 ed.3:2014 (idt. IEC 61000-3-3:2013),**  
**ČSN EN 62471:2009 (idt IEC 62471:2006).**

This certificate is valid till: **4<sup>th</sup> September 2022**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

This certificate is issued on the basis of voluntary certification, and it does not substitute outputs of the authorized or notified body.

Prague, 4<sup>th</sup> September 2017



Head of the certification body

1. The product specimen was entered for evaluation and type certification on 12.06.2017.
2. The Certificate was issued on the basis of the documents provided by the client:
  - Purchase order form 22.05.2017
  - Application for the certifying from 22.05.2017
  - Producing and accompanying technical documentation.
3. The assessment of factory production control was performed at the product manufacturer concentrating on elements ensuring the continuation of product conformity with certification requirements.

4. Detailed technical data characterizing the product type:

Version:	ROBIN 1200 LEDWash ROBIN 1200 LEDWash/W
Supply voltage:	100 – 250V
Frequency:	50/60 Hz 680W, I=3A (4LED colours- all rings)
Supply:	550W, I=2,4A (2LED colours – all rings)
Power factor:	0,97
Luminary:	RGBW LED
Supply fuse:	T 8 A H 250V
Protection class:	I
IP Code:	IP20



5. List of important parts of the technical documentation:

- The documentation listed in the Assessment Report Reg. No. 10.773.981 from 04.07.2017

6. Validity Conditions

- The certificate shall apply only to its holder and products and production places mentioned therein.
- The transfer of the certificate by its owner to third parties is inadmissible as well as the use of certificate by third parties.
- TÜV SÜD Czech shall be notified forthwith of any product modifications compared to the certified specimen. This fact may cause the certificate continuation dependent on an additional conformity evaluation.
- TÜV SÜD Czech shall supervise the proper functioning of the Quality System at the manufacturer within a once a year period on the basis of a concluded contract about the controlling activity.
- The certificate can be renewed on request.
- The certificate shall only be reproduced complete including all the annexes.
- The right to use TÜV SÜD Czech certification mark was not established to the certificate.
- The certificate holder commits to keep records of all the relevant complaints concerning the conformity of the products with the requirements of regulations and standards and make those records available to the certification body TÜV SÜD Czech.
- Not specified items (advertising, use of certification mark and certificates) are governed by the General Conditions for Product Certification, as amended.

This language version of the certificate is a translation of a Czech official version No. 10.766.622 issued on 04.09.2017, which is deemed the only one applicable in the event of legal disputes and was printed on 04.09.2017

# A.LEDA B-EYE

K20 | K10 | K10 Easy | K20 CC | K10 CC

ENGLISH



AN OSRAM BUSINESS



**B-EYE™**  
www.b-eye.it



 **Steven Bewley**  
London Grammar tour

*"It's a great fixture - the rotating lens, the colors, all of it comes together to give you a vast creative toolbox to play with."*

 **Peter Morse**  
Lighting Designer

*"It's the B-EYE. It's the B-est... I love it! Just saw it for the first time and it really rocks. Though I'm not a minimalist, I can go down to one LED and it would kick ass. Great light!"*

 **Steve Gray**  
Lighting Designer

*"We have another new fixture from Clay Paky that has given us a whole new world of illusion to project."*

 **Marck Brickman,**  
Lighting Designer

*"I'm absolutely blown away with B-EYE. It's a good one!"*

 **Tim Routledge**  
Gary Barlow tour

*"They can go super tight and also nice and wide. They give me massive flexibility without ever being tacky."*

 **Dave Hauss**  
Excision tour

*"They're my go-to light right now. They are an all around great fixture, and artists love them."*

# A.LEDA B-EYE



## THREE FUNCTIONS IN ONE

The A.leda B-EYE is an intelligent machine which has revolutionized LED stage lighting as we understand it. Versatility is the first feature that meets the eye: the B-EYE is a high performance LED wash light, a stunning beam light, and a spectacular visual effects projector... all in one unit.



## A WASH LIGHT WITH UNPARALLELED PERFORMANCE

A good washlight needs to be able to "wash" a surface with color at any distance by making the most of its light source. The lighting also has to be uniform. The choice of colors and shades must be large and finely adjustable. The Clay Paky A.leda B-EYE excels in all of these features, as we shall see in detail.



B-EYE is one of the brightest LED washlights with the same power rating, thanks to its special optical unit, designed and built by Clay Paky, with a truly amazing lumen/watt ratio. The optical unit consists of tailor-made lenses (and not standard lenses available on the market, like competing products), which collect all the

light produced by the LEDs and convey it all into a beam where the light of the individual electronic chips is mixed and homogenized for utmost

uniformity. An international patent is pending on this optical unit, which is the result of nearly forty years of Clay Paky experience.

## A FASCINATING MOSAIC MADE UP OF TILES OF LIGHT

Besides projecting a perfectly uniform light over the entire illuminated surface, the light is also distributed evenly on the front lens. The grid that separates the LEDs is virtually invisible and the individual light sources are no longer perceivable and distinguishable. A person facing the light sees - from every angle they look - a beautiful uniform mosaic made up of numerous tiles of light.



WASHLIGHT

## TOTAL COLOR CONTROL

The B-EYE is equipped with an unparalleled electronic color control system. The device is based on RGBW LEDs which cover a wide spectrum of color frequencies. Thanks to the addition of the white chip, the saturated colors generated by the RGB chips may be attenuated. The primary colors are bright and pure, not to mention the beautiful colors obtained through mixing, such as the amber, "honey" and salmon shades. These are mellow colors, widely used in the theatre.

The B-EYE also includes a very sophisticated color balancing system: an algorithm based on a color reading system is able to calibrate each single B-EYE in order to compensate for differences between different light sources (color consistency). In this way the same color coordinates may be achieved for each RGB color combination along with maximum color rendition. This is a fully independent function inside the new B-EYE. It is particularly useful in television studios,

where there are often various lights with different color temperatures. This function allows you to adjust the color control to the color temperature set on the light. The operator only has to set a color temperature value, and the RGB combination required adjusts itself automatically to emulate operation at that color temperature (RGB auto-tuning to lamp CT emulation).

## THE B-EYE AS A WHITE LIGHT GENERATOR

The B-EYE is surprising even when used just as a white light. Its color temperature may be accurately adjusted from 8000 K to 2500 K, and its high color rendering index means the colors of objects illuminated by the B-EYE are virtually the same as they appear in natural light.

"Function" Channel	Halogen Lamp Simulation
98 - 102	2500 W
93 - 97	2000 W
88 - 92	1200 W
83 - 87	1000 W
78 - 82	750W
73 - 77	OFF (default)

In addition, a special software algorithm allows full emulation of the behaviour of five different types of tungsten lamp. This algorithm does not only affect the color temperature parameters, but also the dimming characteristics, so that the LED light works in all respects like a real halogen light.

The dimmer function is very sophisticated: extremely smooth and linear light intensity attenuation is achieved through dedicated dimmer and dimmer fine channels. In addition, four different dimmer curves may be selected as desired to fit the various different needs and brightness of the set.

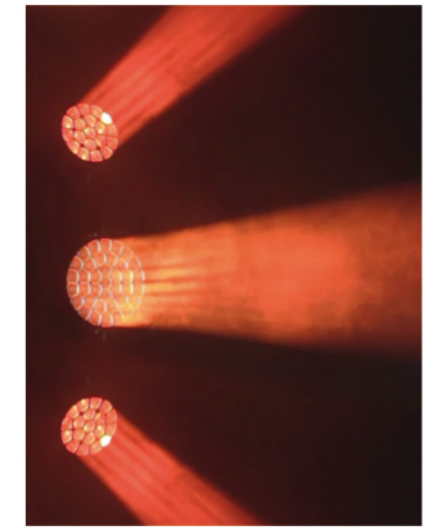
## A LED BEAM LIGHT

When the B-EYE beam angle is reduced to 4°, the wash light turns into a beam light. The B-EYE therefore becomes an amazing mid-air parallel light beam. Individual LED control means you can use these lights to create all kinds of images. In this mode, the shape of the light beam may be changed in mid-air with an attractive coordinated morphing effect.

LED, which turns its light beam into a set of separate pulsating pencil-beams, each with its own color and light intensity. Individual LED control means you can use these lights to create all kinds of images. In this mode, the shape of the light beam may be changed in mid-air with an attractive coordinated morphing effect.

At the same time, you can create color images on the front lens, which transform the B-EYE into a fantastic scenic element. These lighting effects are very effective when they are shot with a TV camera, which makes the B-EYE a great light for use in television.

In this operating mode, the B-EYE has all the advantages of a beam light, but - in addition - its light beam consists of an array of several individually controllable pencil-beams, almost indistinguishable from each other. The B-EYE lets you control every single



## DESIGNED TO WORK AT ANY DISTANCE

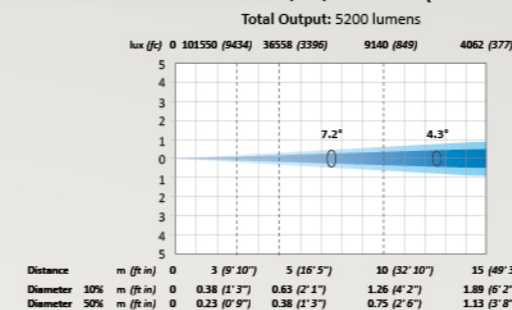
As far as being able to work at any distance, no LED wash is today better than the B-EYE. The zoom in wash mode (perfectly uniform light distribution) ranges from 4° to 60°. This means that the range of use of B-EYEs goes from rooms with low-ceilings (small theatres and TV studios, for example), where wide angles are very useful, to shows in arenas or large environments, where a tight zoom is perfect. As the zoom closes, the beam remains uniform with no dark patch in the centre.

Lastly, the B-EYE has a digital beam shaper that adapts the shape of the beam and its orientation as the set requires.

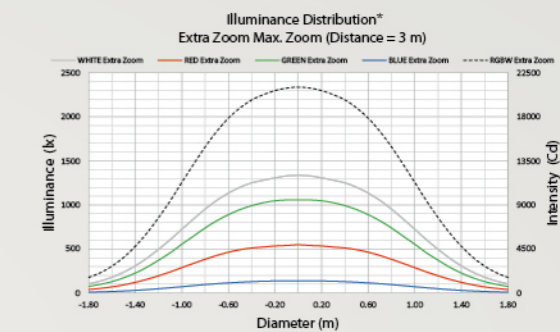
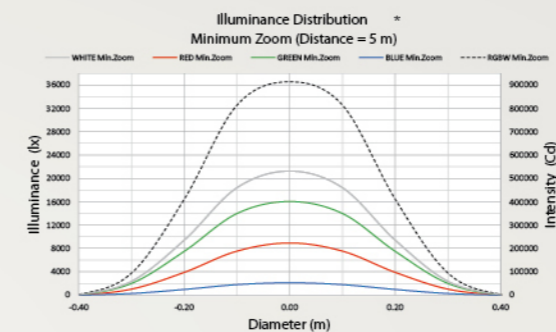
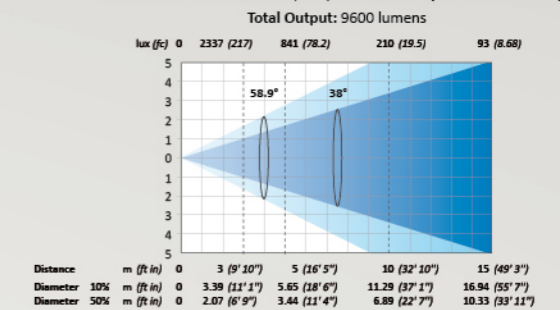


The B-EYE also includes an innovative and exclusive Beam Edge Softening function, thanks to which the edge of the wash beam may be hardened or softened linearly.

Minimum Zoom with WHITE, RED, GREEN & BLUE (7.2° 10% - 4.3° 50%)



Maximum Zoom with WHITE, RED, GREEN & BLUE (58.9° 10% - 38° 50%)



\*Data refer to A.leda B-EYE K20



### AN EXTRAORDINARY CREATIVE EFFECTS MACHINE

Lastly, the B-EYE K20 and B-EYE K10 introduce a totally innovative feature: the front lens may be rotated to create lots of light beams that open and close like flower petals.

When you add colors and you enable dynamic graphic LED configurations, you get an incredible mid-air effect, never seen before with a LED light. This is the revolutionary "vortex" effect, which fills the scene with atmosphere and gives the audience a unique feeling of being immersed in light.

This B-EYE function may also be used to project beautiful kaleidoscopic images on screens, walls and parts of the scenery. These dynamic images may be geometric or elegantly coordinated.

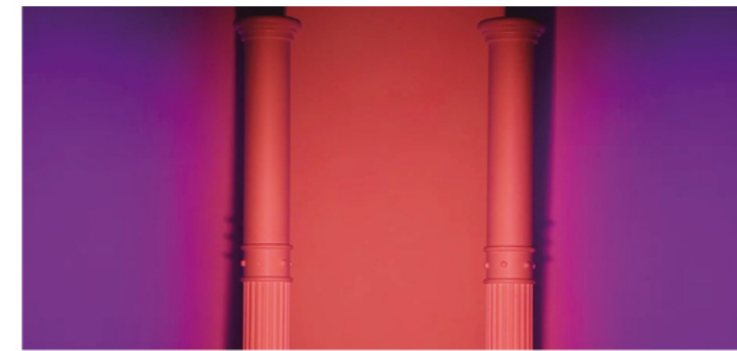
The vortex effect and kaleidoscopic projections can be programmed and repeated with absolute precision, since their parameters are digitally controlled. The operator is assisted in the use of these effects by a special programming function. It is not a sim-

ple macro channel, but a real effects engine, which varies each of the parameters and combines them in endless ways. This system does not limit creativity, but takes it to new heights.

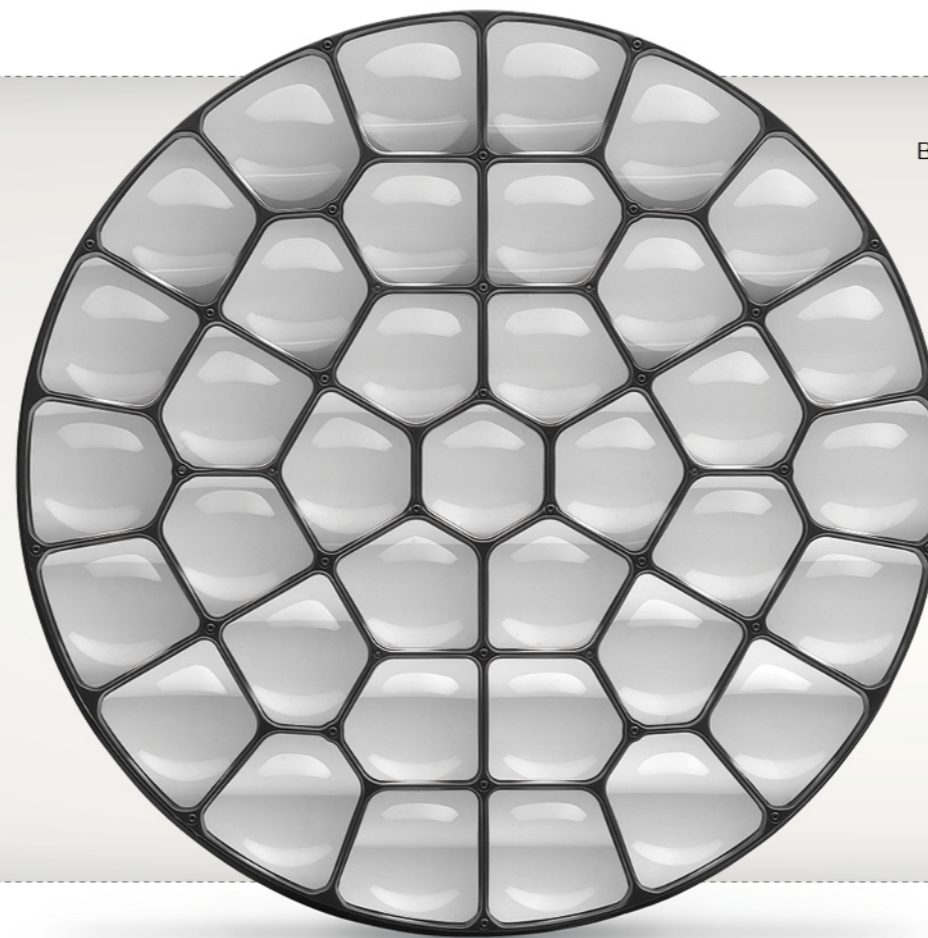
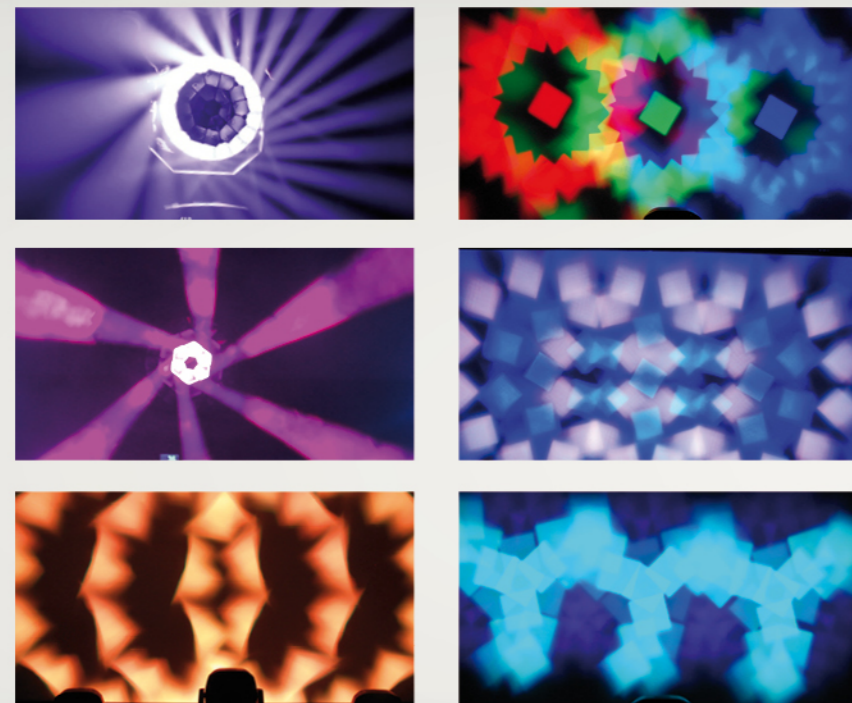
The most sophisticated use of individual LED control is when you use a set of B-EYES in pixel mapping mode. There is no limit to the effects a designer's creativity can produce using the B-EYE's sophisticated electronic and mechanical devices!

### A HIGHLY SOPHISTICATED "EFFECTS ENGINE"

The intelligent management of the pre-programmed graphic macros deserves a particular mention. It is much more sophisticated than just a set of macros, and has been achieved thanks to excellent work on the electronics by Clay Paky's R&D. In "shape" mode, the operator may set up to fourteen programming variables and use the best in dynamic visual effects, based on the experience of the most famous lighting designers. As a result, you can create almost infinite combinations of shapes, colors, speeds, intensities and transition speeds. Lastly, you can combine the foreground and background by selecting a visual effect for the former and contrasting shades for the latter.



Rotating the front lens is also very useful in wash mode, because you may use it to gradually soften the edges of the light beam. You can also use it as a digital beam shaper to adapt the shape of the beam and its orientation as the set requires (example in the above picture).



B-EYE lenses (patent pending) are designed and manufactured exclusively by Clay Paky. For B-EYE K20, they consist of seven different polygonal lenses which "fit together" perfectly to minimize the space between one lens and another. The result is a higher-than-average light output in comparison with LED lights of the same power.



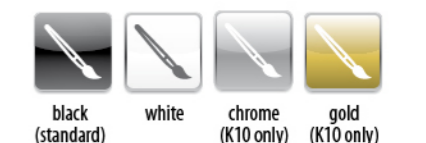
#### THE B-EYE "SOUL"

- 1 Thermal back protection
- 2 Interchangeable LED module plate
- 3 Rod-bar mixing system
- 4 Front lens rotation mechanism
- 5 Front lens system made of insert lenses
- 6 Front protection flange

Special "rods" (optical bars with reflective internal walls) convey the light output from each LED to the lens. All light dispersion is eliminated. The light emitted is enhanced and the colors are perfectly mixed and uniform.



A lada B-EYEs are available on request with white, chrome-plated and golden casing.



## A.LEDA B-EYE: SHEDDING CREATIVE LIGHT ON THE PRESENT AND FUTURE OF SHOWS

In short, A.leda B-EYEs are extremely versatile LED lights that lighting designers may use in a myriad of ways, by taking advantage of their three main operating modes:

As **powerful washlights**, with beautiful colors, a zoom with an outstanding range, and a digital beam shaper.

As **beamlights**, with a light beam whose shape and color are controlled digitally.

As a **generator of mid-air visual effects** and with totally new **effect projections**.

They are true gems of mechanical and electronic engineering: lightweight, sturdy and reliable. They are assembled modularly to make routine maintenance simpler. A thousand creative effects for lighting designers. One light to move around, one light to hire. One investment that lasts.

### THE B-EYE FAMILY

Besides the two major B-EYE K20 and B-EYE K10 lights, which have all the features described up to now, the B-EYE family also includes:



A.LEDA B-EYE K10 Easy

This is a version of the B-EYE K10 without rotating front lens. It is called "Easy" since its features are "simplified". It is a well-balanced solution for all uses where special visual effects are not needed. The optical unit is identical and all the advantages of the wash and beam modes remain the same.

The "easy" version also provides individual LED control among its important features, since this is essential for fascinating mid-air effects. Versatility, light weight, small size, high brightness and an amazing performance/cost ratio make the B-EYE K10 "Easy" a very interesting alternative for lighting designers.



A.LEDA B-EYE K20 CC  
A.LEDA B-EYE K10 CC

There are a lot of people who wish to use the superior optical characteristics of B-EYE technology exclusively in wash light mode. For this kind of use, where mid-air and visual effects are not needed, Clay Paky has created a simpler version, called A.leda B-EYE CC (Color Changer). Unlike the full version, this light does not provide control of each LED pixel and does not have a rotating front lens.

A.leda B-EYE K20 CC and K10 CC are therefore two extraordinarily bright LED washes, with a perfectly uniform light, a really wide zoom, and complete color and white light management. B-EYE CC lights make the utmost in modern color wash technology available during every show.



from left to right:

- A.LEDA B-EYE K20  
code C61420
- A.LEDA B-EYE K10  
code C61419
- A.LEDA B-EYE K10 Easy  
code C61415
- A.LEDA B-EYE K20 CC  
code C61421
- A.LEDA B-EYE K10 CC  
code C61418

COMPARISON TABLE	K20						K10						K5	
	B-EYE	B-EYE CC Color Changer	WASH	WASH CC Color Changer	WASH TW Tunable White	WASH W White	B-EYE	B-EYE Easy	B-EYE CC Color Changer	WASH	WASH CC Color Changer	WASH TW Tunable White	WASH W White	WASH
Code	C61420	C61421	C61410	C61413	C61411	C61412	C61419	C61415	C61418	C61405	C61408	C61406	C61407	C61401
Source Type	RGBW	RGBW	RGBW	RGBW	White 2700 and 8000 K	White 7000 K	RGBW	RGBW	RGBW	RGBW	RGBW	White 2700 and 8000 K	White 7000 K	RGBW
LED Nominal Wattage	15W	15W	15W	15W	15W	15W	15W	15W	15W	15W	15W	15W	15W	15W
Number of LEDs	37	37	37	37	37	37	19	19	19	19	19	19	19	7
Enhanced Light Output	•	•					•	•	•					
Individual LED Control	•	•	•				•	•	•	•				•
Washlight Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Beamlight Mode	•	•					•	•						
Kaleido / Vortex Effect	•						•							
Zoom Range (@ 10% peak)	7°- 60°	7°- 60°	16°- 68°	16°- 68°	16°- 68°	16°- 68°	7°- 60°	7°- 60°	7°- 60°	16°- 68°	16°- 68°	16°- 68°	16°- 68°	13° (fixed)
Zoom Range (@ 50% peak)	4°- 40°	4°- 40°	9°- 43°	9°- 43°	9°- 43°	9°- 43°	4°- 40°	4°- 40°	4°- 40°	9°- 43°	9°- 43°	9°- 43°	9°- 43°	7° (fixed)
Unnoticeable Sources and Front Frame	•	•					•	•	•					
Front Lens bi-directional Rotation	•						•							
Digital Beam Shaper (in Wash Mode)	•						•							
Beam Edge Softening Control (in Wash Mode)	•						•							
Pixel Patterning Macros with Enhanced Control	•	•	•				•	•	•	•				•
White CT Emulation 2500 - 8000 K	•	•	•	•			•	•	•	•	•			•
White CT Emulation 2900 - 7500 K					•							•		
RGB auto-tuning to Lamp CT Emulation	•	•	•	•			•	•	•	•	•			•
Tungsten Lamp Emulation	•	•	•	•	•		•	•	•	•	•			•
High CRI (> 94)					•									•

### ACCESSORIES

OMEGA for fixing clamps (standard)	code 183102/805
CLAMPS - 48-51mm, max 300 Kg (optional)	code C21070
FOAM SHELL for A.leda B-EYE K20 / K20 CC (optional)	code F21257
FOAM SHELL for A.leda B-EYE K10 (optional)	code F21260
FOAM SHELL for A.leda B-EYE K10 Easy / CC (optional)	code F21256



### ROXTER CASE

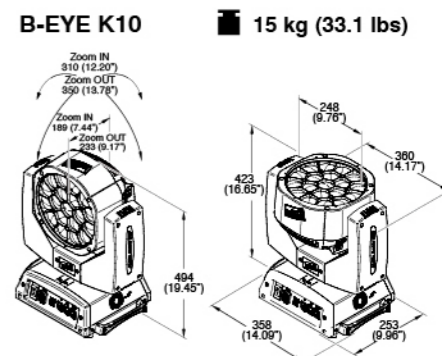
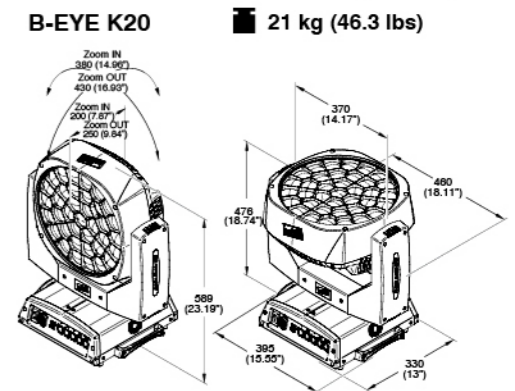
Roxter-case (+2 foam shells) for 2 A.leda B-EYE K20 / K20 CC	code F21259
Roxter-case (+4 foam shells) for 4 A.leda B-EYE K10	code F21261
Roxter-case (+4 foam shells) for 4 A.leda B-EYE K10 Easy / CC	code F21258

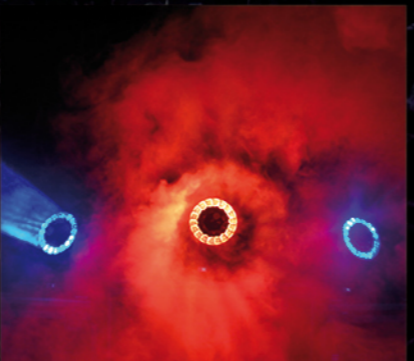
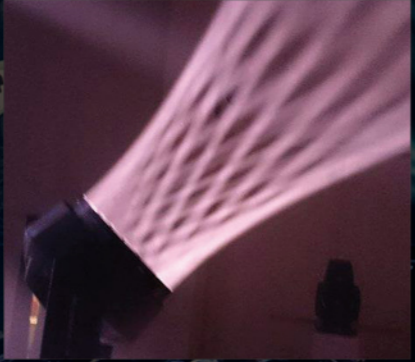
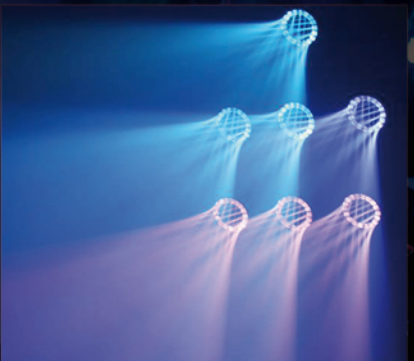
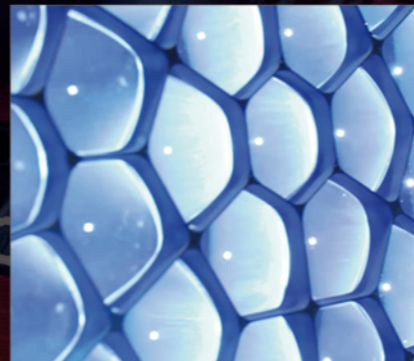


### IGLOO

Outdoor cover (optional) with Wireless DMX receiver/transmitter	code C61195
Outdoor cover (optional) Easy version with no W-DMX	code C61198

### WEIGHT AND DIMENSIONS (mm/inches)







**B•EYE™**

[www.b-eye.it](http://www.b-eye.it)

A.LEDA B-EYE ON



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UNI EN ISO 9001