

Products & Accessories



December 2011

Marking



www.thelight.com.es

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1. BATTERY OPERATED PRODUCTS & ACCESSORIES

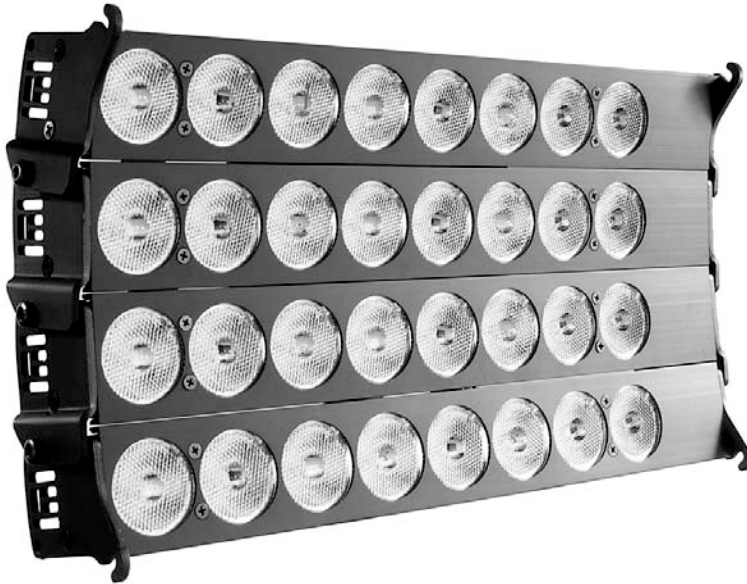
4LIGHT kit ref. 4LDC-5500-K includes:

- 1x 4LIGHT lamp head ref. 4LDC-5500
- 1x VDC Control Unit ref. VDC-CPU
- 1x 2,5 meters extension cable ref. DCC2.5m
- 1x 4LIGHT magnetic attach diffuser ref. 4LDC-5500-D
- 1x Quick link swivel-ball head with 3/8" pin ref. QLS
- 1x Hexagonal 5/8" (16mm) baby spud ref. HS

4LIGHT kit + waterproof case ref. 4LDC-5500-KC includes:

- 1x 4LIGHT lamp head ref. 4LDC-5500
- 1x VDC Control Unit ref. VDC-CPU
- 1x 2,5 meters extension cable ref. DCC2.5m
- 1x 4LIGHT magnetic attach diffuser ref. 4LDC-5500-D
- 1x Quick link swivel-ball head with 3/8" pin ref. QLS
- 1x Hexagonal 5/8" (16mm) baby spud ref. HS
- 1x 4LIGHT waterproof case ref. 4LDC-5500-C

4LIGHT lamp head ref. 4LDC-5500



VDC Control Unit ref. VDC-CPU



VDC Control Unit DMX ref. VDC-CPU-D



Quick link swivel-ball head with 3/8" (10mm) pin ref. QLS



Quick link swivel-ball head with 5/8" (16mm) female ref. QLS-F



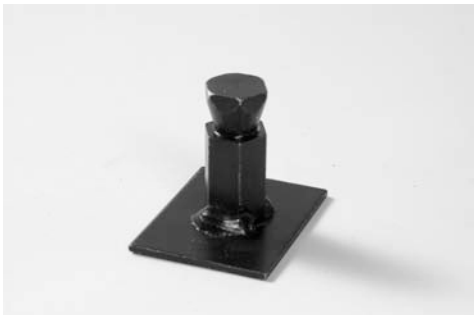
4LIGHT Removable barn doors ref. 4LDC-5500-RB



2,5 meters extension cable ref. DCC2.5m
5 meters extension cable ref. DCC5m
10 meters extension cable ref. DCC10m



Hexagonal 5/8" (16mm) baby spud ref. HS



Shoulder strap kit for Control Unit
ref. CPU-SH



4LIGHT Magnetic attach diffuser
ref. 4LDC-5500-D



Placing the VDC Control Unit in the stand mast

You can place the VDC Control Unit in the stand mast for a handy use close to the lamp head. To do so you will need to use a regular Super Clamp (not included in the 4LIGHT kit) and insert the Hexagonal 5/8" (16mm) baby spud. Once installed the hexagonal spud just slide the holder located at the VDC Control Unit bottom over the spud plate until properly seated, as shown in the picture.



4LIGHT waterproof case ref. 4LDC-5500-C



6LIGHT/4LIGHT Adjustable Yoke ref. 6LAC-9000-YF



2. MAINS POWER PRODUCTS & ACCESSORIES

6LIGHT kit ref. 4LAC-9000-K includes:

- 1x 6LIGHT lamp head ref. 6LAC-9000
- 1x VAC Control Unit ref. VAC-CPU
- 1x 2,5 meters extension cable ref. DCC2.5m
- 1x 2,5 meters power cable ref. ACC2.5m
- 2x 6LIGHT removable barn doors ref. 6LAC-9000-RB
- 1x 6LIGHT magnetic attach diffuser ref. 6LAC-9000-D
- 1x Quick link swivel-ball head with 3/8" pin ref. QLS
- 1x Hexagonal 5/8" (16mm) baby spud ref. HS

6LIGHT kit + waterproof case ref. 4LAC-9000-KC includes:

- 1x 6LIGHT lamp head ref. 6LAC-9000
- 1x VAC Control Unit ref. VAC-CPU
- 1x 2,5 meters extension cable ref. DCC2.5m
- 1x 2,5 meters power cable ref. ACC2.5m
- 2x 6LIGHT removable barn doors ref. 6LAC-9000-RB
- 1x 6LIGHT magnetic attach diffuser ref. 6LAC-9000-D
- 1x Quick link swivel-ball head with 3/8" pin ref. QLS
- 1x Hexagonal 5/8" (16mm) baby spud ref. HS
- 1x 6LIGHT waterproof case ref. 6LAC-9000-C

4LONG kit ref. 4LAC-10000-K includes:

- 1x 4LONG lamp head ref. 4LAC-10000
- 1x VAC Control Unit ref. VAC-CPU
- 1x 2,5 meters extension cable ref. DCC2.5m
- 1x 2,5 meters power cable ref. ACC2.5m
- 2x 4LONG removable barn doors ref. 4LAC-10000-RB
- 1x 4LONG magnetic attach diffuser ref. 4LAC-10000-D
- 1x Quick link swivel-ball head with 3/8" pin ref. QLS
- 1x Hexagonal 5/8" (16mm) baby spud ref. HS

4LONG kit + waterproof case ref. 4LAC-10000-KC includes:

- 1x 4LONG lamp head ref. 4LAC-10000
- 1x VAC Control Unit ref. VAC-CPU
- 1x 2,5 meters extension cable ref. DCC2.5m
- 1x 2,5 meters power cable ref. ACC2.5m
- 2x 4LONG removable barn doors ref. 4LAC-10000-RB
- 1x 4LONG magnetic attach diffuser ref. 4LAC-10000-D
- 1x Quick link swivel-ball head with 3/8" pin ref. QLS
- 1x Hexagonal 5/8" (16mm) baby spud ref. HS
- 1x 4LONG waterproof case ref. 4LAC-10000-C

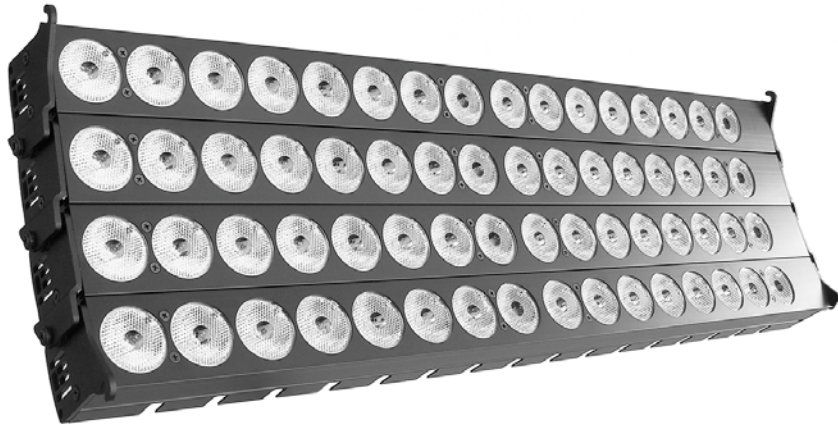
4LONG-STUDIO kit ref. 4LAC-10000-SK includes:

- 1x 4LONG-STUDIO LED panel ref. 4LAC-10000S
- 1x 2,5 meters power cable ref. ACC2.5m
- 2x 4LONG barn doors ref. 4LAC-10000-RB
- 1x 4LONG-STUDIO magnetic attach diffuser ref. 4LAC-10000-SD
- 1x 4LONG Yoke ref. 4LAC-10000-Y

4LONG-STUDIO kit + waterproof case ref. 4LAC-10000-SC includes:

- 1x 4LONG-STUDIO LED panel ref. 4LAC-10000S
- 1x 2,5 meters power cable ref. ACC2.5m
- 2x 4LONG barn doors ref. 4LAC-10000-RB
- 1x 4LONG-STUDIO magnetic attach diffuser ref. 4LAC-10000-SD
- 1x 4LONG Yoke ref. 4LAC-10000-Y
- 1x 4LONG waterproof case ref. 4LAC-10000-C

4LONG lamp head ref. 4LAC-10000



4LONG-STUDIO lamp head ref. 4LAC-10000S



6LIGHT lamp head ref. 6LAC-9000



4LIGHT lamp head ref. 4LDC-5500



VAC Control Unit ref. VAC-CPU



Quick link swivel-ball head with 3/8" pin ref. QLS



6LIGHT/4LIGHT Adjustable Yoke ref. 6LAC-9000-YF



4LONG/4LONG-STUDIO Adjustable Yoke ref. 4LAC-10000-YF



6LIGHT Removable barn doors
ref. 6LAC-9000-RB



4LONG Removable barn doors
ref. 4LAC-9000-RB



2,5 meters power cable ref. ACC2.5m



2,5 meters extension cable ref. DCC2.5m
5 meters extension cable ref. DCC5m
10 meters extension cable ref. DCC10m



Hexagonal 5/8" (16mm) baby spud ref. HS



6LIGHT Magnetic attach diffuser
Ref. 6LAC-9000-D
4LONG Magnetic attach diffuser
Ref. 4LAC-10000-D
4LONG-STUDIO magnetic attach diffuser
ref. 4LAC-10000-SD



6LIGHT waterproof case ref. 6LAC-9000-C



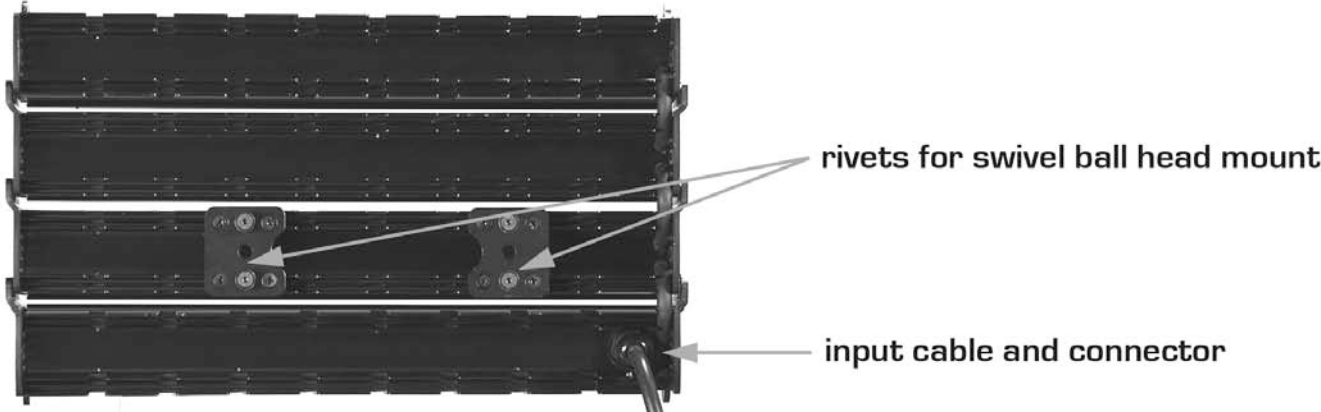
4LONG waterproof case ref. 4LAC-10000-C



3. NAMES AND PARTS

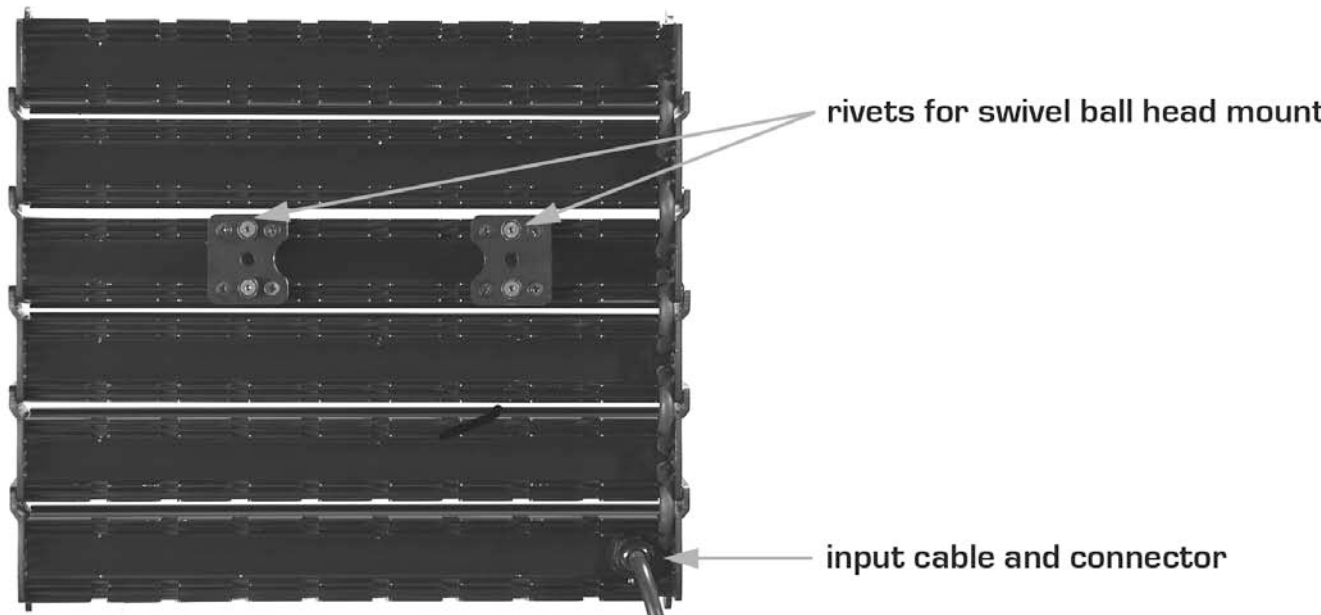
4LIGHT lamp head

Rear view



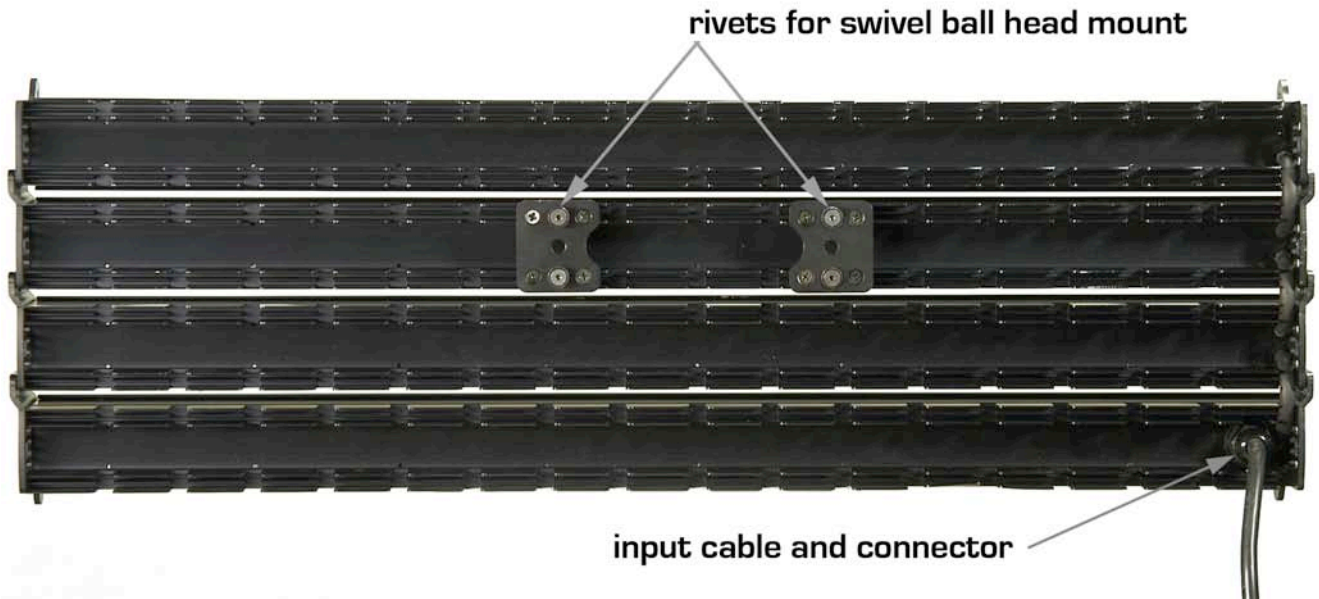
6LIGHT lamp head

Rear view



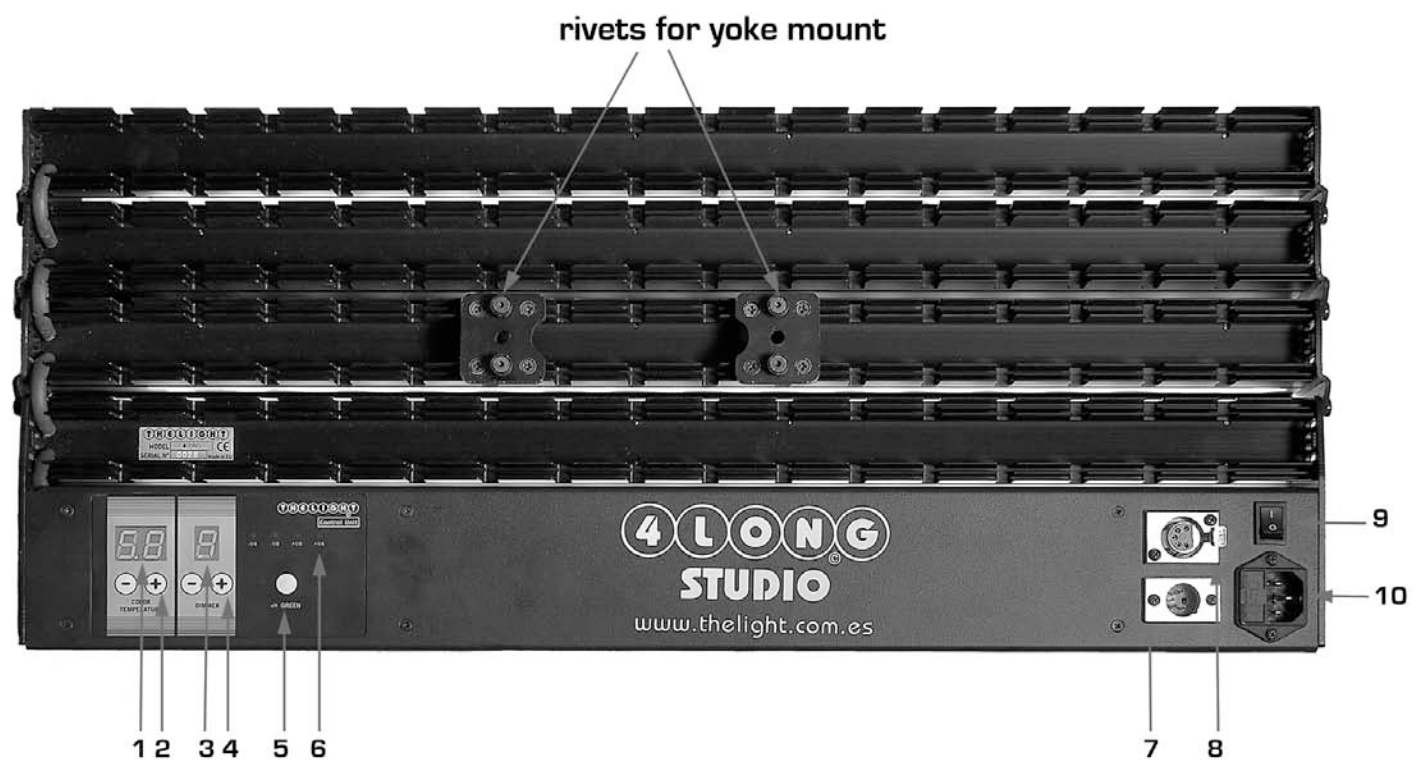
4LONG lamp head

Rear view



4LONG-STUDIO

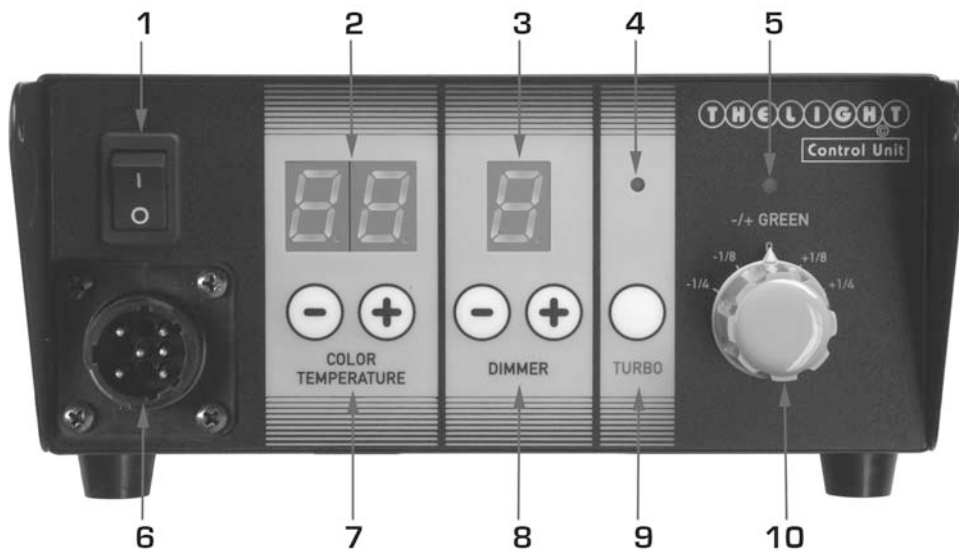
Rear view



- 1 Colour temperature digital display
- 2 Colour temperature adjustment buttons
- 3 Intensity level digital display
- 4 Intensity adjustment buttons
- 5 Green/magenta adjustment button
- 6 Green/magenta offset status LED
- 7 XLR DMX in
- 8 XLR DMX out
- 9 Power switch
- 10 Mains power input

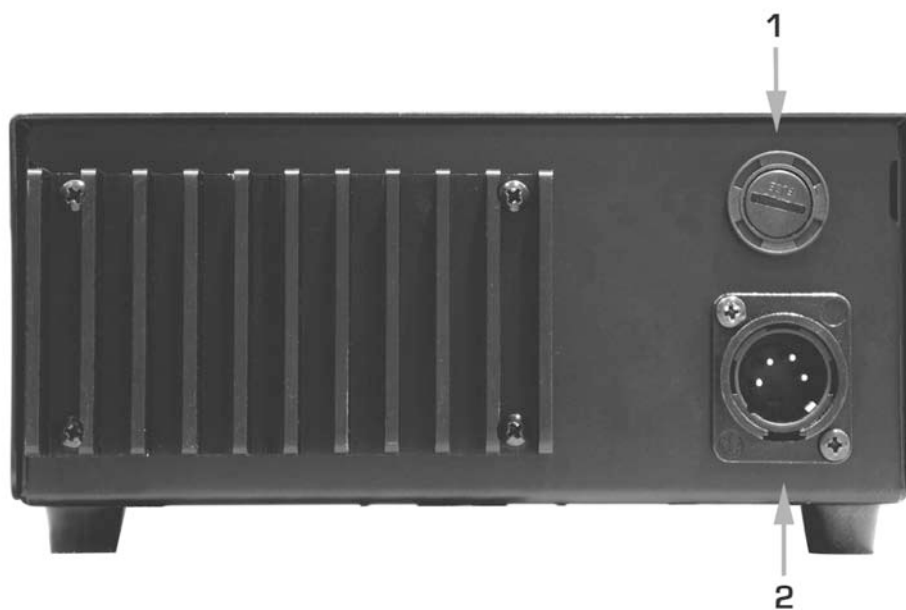
VDC Control Unit /VDC Control Unit DMX

Front view



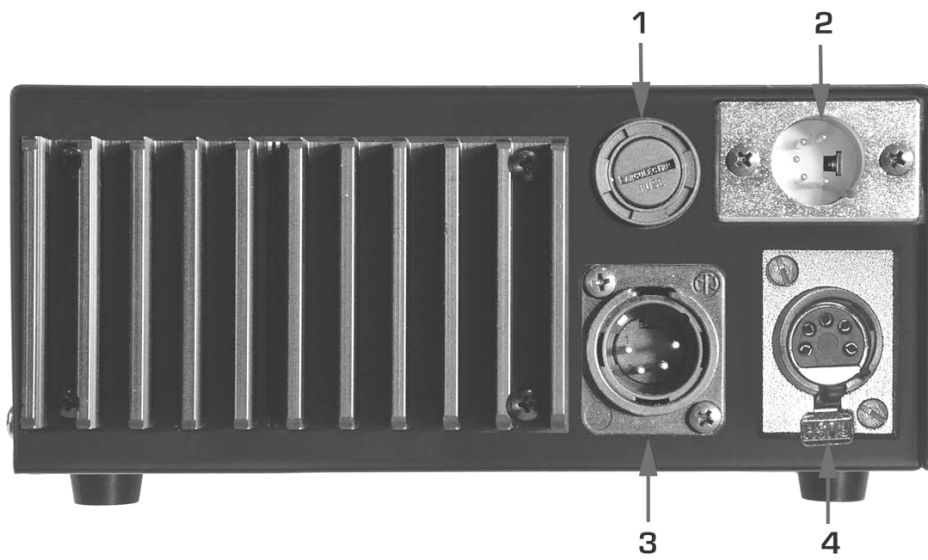
- 1 Power switch
- 2 Colour temperature digital display
- 3 Intensity level digital display
- 4 Turbo status blue LED
- 5 Green/magenta offset status green LED
- 6 Power output
- 7 Colour temperature adjustment buttons
- 8 Intensity adjustment buttons
- 9 On/off turbo button
- 10 Green/magenta knob

Rear view VDC Control Unit



1. Fuse receptacle (1 x 15A)
2. XLR4 VDC input

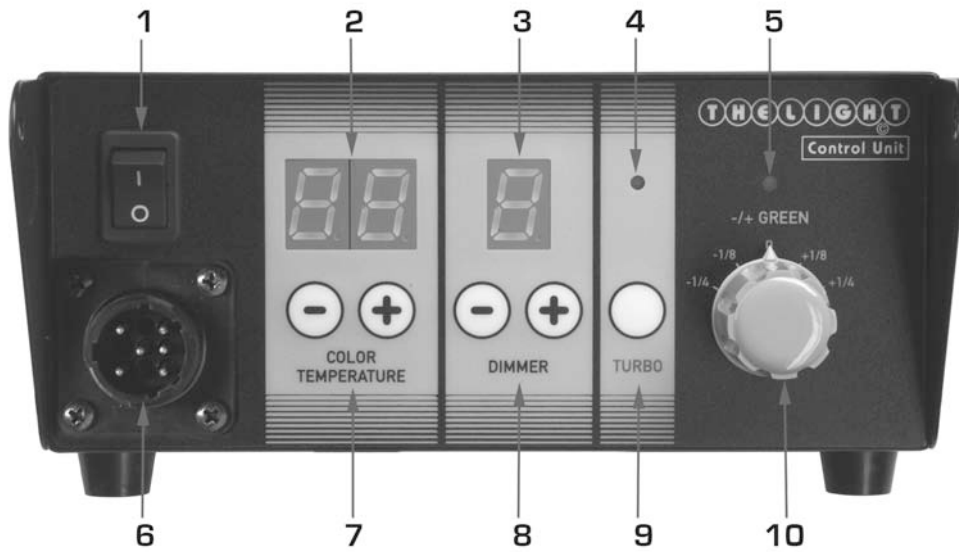
Rear view VDC Control Unit DMX



1. Fuse receptacle (1 x 15A)
2. XLR DMX in
3. XLR4 VDC input
4. XLR DMX out

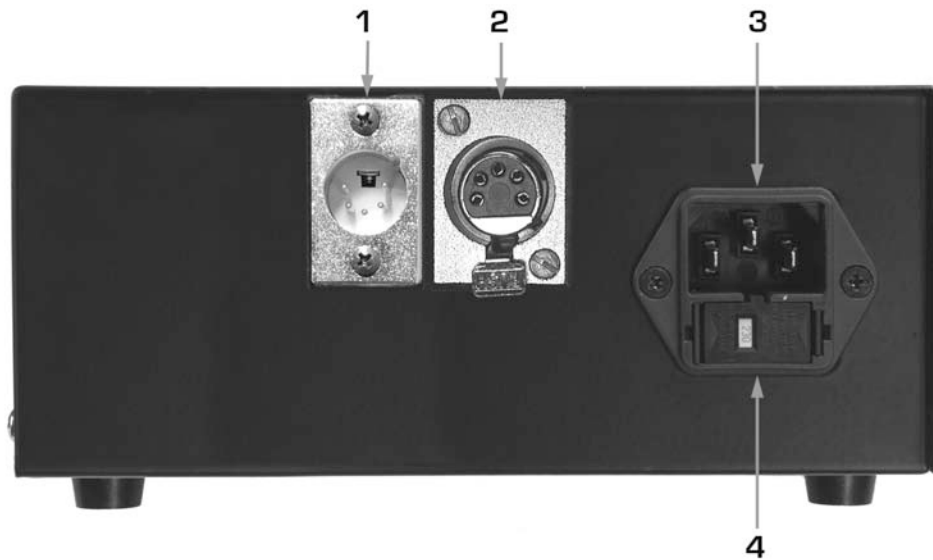
VAC Control Unit

Front view



- 1 Power switch
- 2 Colour temperature digital display
- 3 Intensity level digital display
- 4 Turbo status blue LED
- 5 Green/magenta offset status green LED
- 6 Power output
- 7 Colour temperature adjustment buttons
- 8 Intensity adjustment buttons
- 9 On/off turbo button
- 10 Green/magenta knob

Rear view



1. XLR DMX in
2. XLR DMX out
3. Mains power input
4. Fuse receptacle (2 x 2,5A)

SPECIFICATIONS

4LIGHT

COLOUR TEMPERATURE	adjustable from 2800K a 8500K
LIGHT INTENSITY	dimnable with minimal colour shift
GREEN/MAGENTA BIAS	adjustable +/- 1/4 y 1/8 steps
CRI	90 from 2900K a 6500K
DIMENSIONS	339 x 207 x 71 mm
WEIGHT	2,4 kg
POWER DRAW	99W 30V (maximum 120W)
BEAM ANGLE	variable from 30° to 65° (standard 35°)
LED RATED LIFE	more than 50.000 hours
THELIGHT LED TECHNOLOGY	UME (Minimum Emitting Unit) made up of: 3 high power LED with selected BIN + fresnel lens + CPU control with THELIGHT software.
RIGGING OPTIONS	quick link swivel-ball head, operator handle
ACCESSORIES	quick link diffuser box, hexagonal 5/8" (16mm) baby spud,removable barn doors

6LIGHT

COLOUR TEMPERATURE	adjustable from 2800K a 8500K
LIGHT INTENSITY	dimnable with minimal colour shift
GREEN/MAGENTA BIAS	adjustable +/- 1/4 y 1/8 steps
CRI	90 from 2900K a 6500K
DIMENSIONS	339 x 302 x 71 mm
WEIGHT	3,5 kg
POWER DRAW	140W 30V (maximum 165W)
BEAM ANGLE	variable from 30° to 85° (standard 35°)
LED RATED LIFE	more than 50.000 hours
THELIGHT LED TECHNOLOGY	UME (Minimum Emitting Unit) made up of: 3 high power LED with selected BIN + fresnel lens + CPU control with THELIGHT software.
RIGGING OPTIONS	quick link swivel-ball head, adjustable yoke
ACCESSORIES	quick link diffuser box, hexagonal 5/8" (16mm) baby spud,removable barn doors

4LONG

COLOUR TEMPERATURE	adjustable from 2800K a 8500K
LIGHT INTENSITY	dimmbable with minimal colour shift
GREEN/MAGENTA BIAS	adjustable +/- 1/4 y 1/8 steps
CRI	90 from 2900K a 6500K
DIMENSIONS	622 x 207 x 71 mm
WEIGHT	4,4 kg
POWER DRAW	185W 30V (maximum 220W)
BEAM ANGLE	variable from 30° to 65° (standard 35°)
LED RATED LIFE	more than 50.000 hours
THELIGHT LED TECHNOLOGY	UME (Minimum Emitting Unit) made up of: 3 high power LED with selected BIN + fresnel lens + CPU control with THELIGHT software.
RIGGING OPTIONS	quick link swivel-ball head, adjustable yoke, adjustable yoke to mount up to four units
ACCESSORIES	quick link diffuser box, hexagonal 5/8" (16mm) baby spud,removable barn doors

4LONG-STUDIO

COLOUR TEMPERATURE	adjustable from 2800K a 8500K
LIGHT INTENSITY	dimmbable with minimal colour shift
GREEN/MAGENTA BIAS	adjustable +/- 1/4 y 1/8 steps
CRI	90 from 2900K a 6500K
DIMENSIONS	622 x 270 x 71 mm
WEIGHT	6,7 kg
POWER DRAW	185W 30V (maximum 220W)
BEAM ANGLE	variable from 30° to 65° (standard 35°)
LED RATED LIFE	more than 50.000 hours
THELIGHT LED TECHNOLOGY	UME (Minimum Emitting Unit) made up of: 3 high power LED with selected BIN + fresnel lens + CPU control with THELIGHT software.
RIGGING OPTIONS	quick link swivel-ball head, adjustable yoke
ACCESSORIES	barn doors
POWER SUPPLY	Universal 90-264 VAC
INPUT FREQUENCY	50/60Hz
OUTPUT FREQUENCY	20KHz
FUSE	2 x 2,5 A

VDC Control Unit

DIMENSIONS 172 x 173 x 87 mm
WEIGHT 1,5 kg
POWER SUPPLY 9-36 VDC
OUTPUT FREQUENCY 20KHz
FUUSE 1 x 15 A

VDC Control Unit DMX

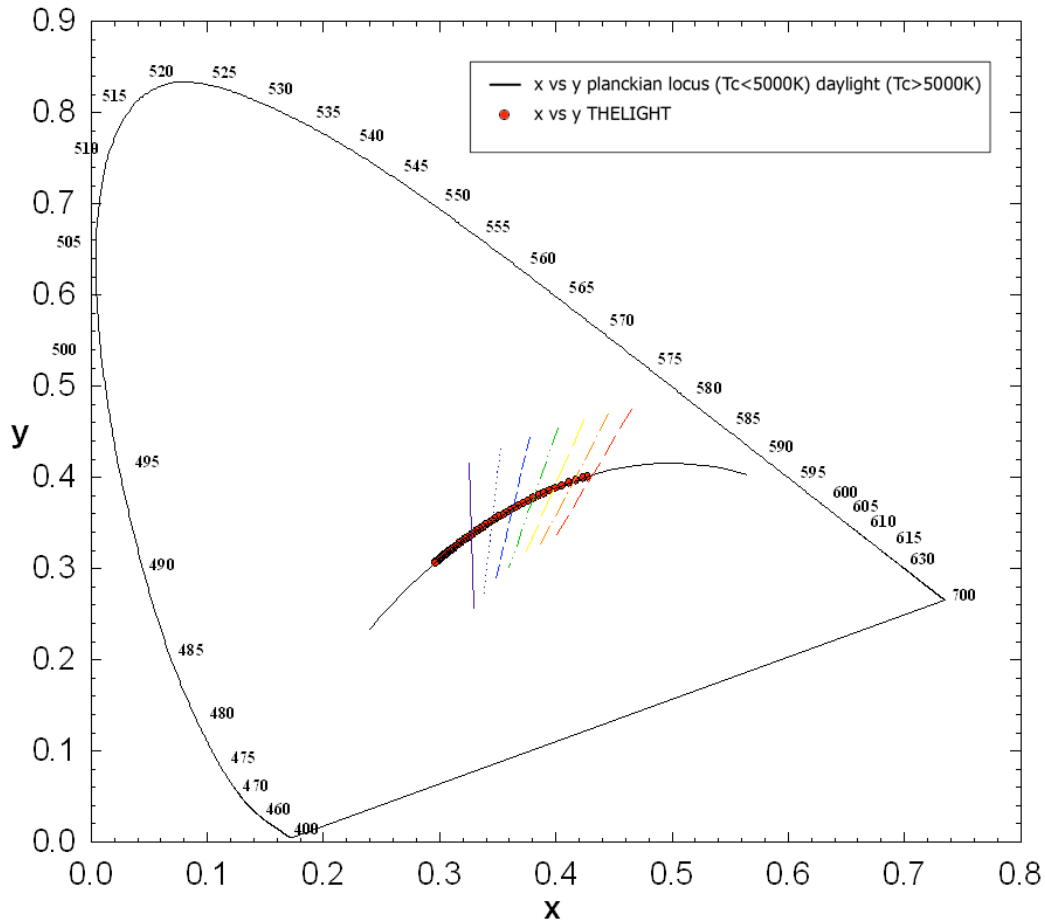
DIMENSIONS 292 x 173 x 87 mm
WEIGHT 2 kg
POWER SUPPLY 9-36 VDC
OUTPUT FREQUENCY 20KHz
FUUSE 3 x 15 A

VAC Control Unit

DIMENSIONS 334 x 173 x 87 mm
WEIGHT 2,7 kg
POWER SUPPLY Universal 90-264 VAC
INPUT FREQUENCY 50/60Hz
OUTPUT FREQUENCY 20KHz
FUUSE 2 x 2,5 A

CHROMATICITY COORDINATES DIAGRAM

[x, y CIE-1931]



Shown on the diagram are the THELIGHT lamp head chromaticity coordinates [x, y CIE-1931] feed and digitally controlled by its Control Unit and they are compared with the reference illuminants. These reference illuminants are the Planckian locus radiator set below 5000K and the CIE daylight reference is set over 5000K. The Planckian locus radiator references the chromaticity for several tungsten lamps colour temperatures while the daylight locus typify daylight type D illuminants.

The diagram evidence the light emanated by THELIGHT luminary at every colour temperature entirely matches with the described locus reference so that the colour of the light produced is essentially the same as incandescent and daylight. It is also remarkable the minimum green/magenta deviation over the locus reference along the range of colour temperatures (means minimal difference between THELIGHT chromaticity coordinates and the ideal reference line).

CALIBRATION

The Instrument Systems scanning spectrometer, model Spectro 320, serial number 30932004, with its accessory TOP-100 has been calibrated according to the United States National Institute of Standards (NIST) and the German Physikalisch-Technische Bundesanstalt (PTB) standard references.

ACCURACY

The Instrument Systems scanning spectrometer, model Spectro 320, serial number 30932004, with its accessory TOP-100 has an imprecision over the spectral radiometric results delivered lower than 1%.

24 fps / 500 ASA

4LIGHT						
5600K				3200K		
Lux	F-Stop	Fc	meters	Fc	F-Stop	Lux
5500	16	510	1	418	11.7	4500
740	5,6	69	3	56	4.8	600

6LIGHT						
5600K				3200K		
Lux	F-Stop	Fc	meters	Fc	F-Stop	Lux
9000	16.7	836	1	632	16.3	6800
1100	5,6.7	102	3	78	5,6.3	840

24 fps / 500 ASA

4LONG / 4LONG-STUDIO						
5600K				3200K		
Lux	F-Stop	Fc	meters	Fc	F-Stop	Lux
10000	22	930	1	650	16.4	7000
1600	8.2	149	3	102	5,6.7	1100

Readings made with scanning spectrometer at stable temperature, Control Unit set at maximum light intensity (Turbo On and dimmer at 9 setting), lamp head at standard flat setting and measurement instrument positioned perpendicular over the luminary surface center.

CALIBRATION

The Instrument Systems scanning spectrometer, model Spectro 320, serial number 30932004, with its accessory TOP-100 has been calibrated according to the United States National Institute of Standards (NIST) and the german Physikalisch-Technische Bundesanstalt (PTB) standard references.

ACCURACY

The Instrument Systems scanning spectrometer, model Spectro 320, serial number 30932004, with its accessory TOP-100 has an imprecision over the spectral radiometric results delivered lower than 1%.

REGULATIONS

This equipment is designed to meet the following regulations and safety standards for battery powered technology equipment:

ENVIRONMENTAL

THELIGHT devices are certified and intended for indoor use (lamp head IP21, VDC Control Unit IP41)

LAMP HEAD OPERATION TEMPERATURE	from -20° to +30° C
CONTROL UNIT OPERATION TEMPERATURE	from -20° to +50° C
OPERATING HUMIDITY	from 30 to 90% RH non condensing
FUSE	1 x 15 A



Test n°: 2010 - 794

Date: 27 - 9 - 2010

Mark: THELIGHT

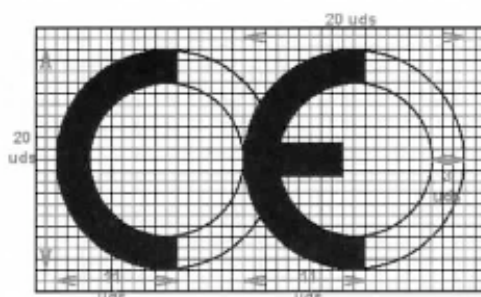
1 Model

Serial n°: s / n

REPORT

ELECTROMAGNETIC COMPATIBILITY

Test Laboratory, CE mark



TESTS AND MEASURES REQUESTED:

DIRECTIVE:

2004/108/CE Electromagnetic Compatibility. (E. M. C.)

STANDARD:

(IEC) EN 61000-6-1:2005 Electromagnetic compatibility, Generic immunity standard. Residential and light industry

(IEC) EN 61000-6-3:2005 Electromagnetic compatibility, Generic EMI standard. Residential and light industry

EN 301489-1 v1.8.1 (2008-02) Radio Electric Spectrum Protection (1 – 6 GHz Band)

(IEC) EN 61000-3-2:2001/A2:2006 Harmonic current emissions a. c. Mains.

(IEC) EN 61000-3-3:1997/A2:2006 Voltage fluctuations and Flicker a. c. Mains.

UNE-EN 55015:2007+A1:2008+A2:2009 EMI of electrical lighting and similar equipment (CISPR 15:2005)



Laboratorio de Ensayos, marcado CE

Test Laboratory, CE mark



Marca: Mark:	THELIGHT
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Modelo: Model:	4LIGHT high power LED luminary + VDC Control Unit
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Descripción: Description:	Luminary for cine and TV
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ENSAYOS Y MEDIDAS: TESTS AND MEASUREMENTS:	Seguridad Eléctrica, (Electric Safety) EN 61 000-6-1:2005 EN 61 000-6-3:2005
Norma: Standard:	EN 55015:2007+A12008+A2:2009 EN 301489-1 v1.8.1 (2008-02)

Resultado en el informe de los ensayos Nº.:	2010-793
Show in summary in test report Nº.:	2010-794

Verificado: Verified:	V
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Fecha: Date:	27-9-2010
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Sello de la compañía y firma: Company seal and signature: F. J. García. Ing. T. Telecom.	 <p>TELPRO Av. Can Enric, 39 08190 San Cugat - Valldorotx BARCELONA TEL. (93) 586356 / 408 691 651</p>
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WARRANTY

THELIGHT high power LED light equipments are guaranteed to be free from defects in workmanship and parts in a warranty period of one (1) year from the date of purchase. Defects that occur within this warranty period, under normal use and care will be repaired or replaced at THELIGHT discretion, solely at our option with no charge for parts or labor.

In the event of the equipment malfunction, contact the dealer from which you purchased the product. Please note that you will not be reimbursed for the cost of bringing the equipment to the THELIGHT Repair Centre.

THELIGHT reserves the right to replace the product or relevant part with the same or equivalent product or part, rather than repair it. Where a replacement is provided the products or part replaced becomes the property of THELIGHT. THELIGHT may replace parts with refurbished parts. Replacement of the product or a part does not extend or restart the Warranty period.

Returns or exchanges from the customers will be accepted within 15 days of delivery and will not include the actual shipping costs. Item(s) must be in original packaging and condition, must not be assembled, and must include its original user manual.

This warranty does not cover any damage resulting from:

- Failure to follow the instructions in the instruction manual;
- Repair, modification or overhaul not conducted by any authorized THELIGHT personnel.
- Fire, natural disaster, act of God, lightning, abnormal voltage, etc;
- Submergence in water (flooding), exposure to alcohol or other beverages, infiltration of sand or mud, physical shock, or dropping of the equipment and other unnatural causes.

This warranty only applies to the lamp head and the Control Unit and not to the accessories, such as the diffuser or barn doors, nor does it apply to the fuses and other consumables provided.

Any consequential damages arising from failure of the equipment, such as expenses incurred in taking pictures or recording images or loss of expected profit, will not be reimbursed whether they occur during the warranty period or not.

Parts essential to the servicing of the light equipment (that is, components required to maintain the functions and quality of the fixture) will be available for a period of five years after the product is discontinued.

THELIGHT Luminary for cine and tv, S.L.
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