USER´S MANUAL
BEDIENUNGSANLEITUNG
MANUEL D´UTILISATION
MANUAL DE USUARIO
INSTRUKCJA OBSŁUGI
MANUALE D´USO

V1.10

F4 D P0 IP

PROFESSIONAL FRESNEL SPOTLIGHT WITH DAYLIGHT LED,
POLE OPERATED - IP65
CLF4DPOIP

F4 T P0 IP

PROFESSIONAL FRESNEL SPOTLIGHT WITH TUNGSTEN LED,
POLE OPERATED - IP65
CLF4TPOIP

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ITALIANO

ENGLISH

YOU'VE MADE THE RIGHT CHOICE!
We have designed this product to operate reliably over many years. Please read this User's Manual carefully, so that you can begin making optimum use of your Cameo Light product quickly. Learn more about Cameo Light on our website WWW.**CAMEOLIGHT**.COM.

INTENDED USE!
The product is a device for event technology!
The product has been developed for professional use in the field of event technology and is not suitable for use in households!
Furthermore, this product is only intended for qualified users with expert knowledge of event technology!
Use of the product outside of the specified technical data and operating conditions is considered improper use!
Liability for damage and third-party damage to persons and property due to improper use is excluded!

PREVENTIVE MEASURES

1. Please read these instructions carefully.
2. Keep all information and instructions in a safe place.
3. Follow the instructions.
4. Observe all safety warnings. Never remove safety warnings or other information from the equipment.
5. Use the equipment only in the intended manner and for the intended purpose.
6. Use only sufficiently stable and compatible stands and/or mounts (for fixed installations). Make certain that wall mounts are properly installed and secured. Make certain that the equipment is installed securely and cannot fall down.
7. During installation, observ e the applicable safety regulations for your country.
8. Never install and operate the equipment near radiators, heat registers, ovens or other sources of heat. Make certain that the equipment is always installed so that is cooled sufficiently and cannot overheat.
9. Never place sources of ignition, e.g., burning candles, on the equipment.
10. Ventilation slits must not be blocked.
11. This appliance is designed exclusively for indoor use, do not use this equipment in the immediate vicinity of water (does not apply to special outdoor equipment - in this case, observe the special instructions noted below). Do not expose this equipment to flammable materials, fluids or gases.
12. Make certain that dripping or splashed water cannot enter the equipment. Do not place containers filled with liquids, such as vases or drinking vessels, on the equipment.
13. Make certain that objects cannot fall into the device.
14. Use this equipment only with the accessories recommended and intended by the manufacturer.
15. Do not open or modify this equipment.
16. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
17. During transport, make certain that the equipment cannot fall down and possibly cause property damage and personal injuries.
18. If your equipment is no longer functioning properly, if fluids or objects have gotten inside the equipment or if it has been damaged in anot her way, switch it off immediately and unplug it from the mains outlet (if it is a powered device). This equipment may only be repaired by authorized, qualified personnel.
19. Clean the equipment using a dry cloth.
20. Comply with all applicable disposal laws in your country. During disposal of packaging, please separate plastic and paper/cardboard.
21. Plastic bags must be kept out of reach of children.

FOR EQUIPMENT THAT CONNECTS TO THE POWER MAINS:
22. CAUTION: If the power cord of the device is equipped with an earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.
23. If the equipment has been exposed to strong fluctuations in temperature (for example, after transport), do not switch it on immediately. Moisture and condensation could damage the equipment. Do not switch on the equipment until it has reached room temperature.
24. Before connecting the equipment to the power outlet, first verify that the mains voltage and frequency match the values specified on the equipment. If the equipment has a voltage selection switch, connect the equipment to the power outlet only if the equipment values and the mains power values match. If the included power cord or power adapter does not fit in your wall outlet, contact your electrician.
25. Do not step on the power cord. Make certain that the power cable does not become kinked, especially at the mains outlet and/or power adapter and the equipment connector.
26. When connecting the equipment, make certain that the power cord or power adapter is always freely accessible. Always disconnect the equipment from the power supply if the equipment is not in use or if you want to clean the equipment. Always unplug the power cord and power adapter from the power outlet at the plug or adapter and not by pulling on the cord. Never touch the power cord and power adapter with wet hands.
27. Whenever possible, avoid switching the equipment on and off in quick succession because otherwise this can shorten the useful life of the equipment.
28. IMPORTANT INFORMATION: Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service centre.
29. To disconnect the equipment from the power mains completely, unplug the power cord or power adapter from the power outlet.
30. If your device is equipped with a Volex power connector, the mating Volex equipment connector must be unlocked before it can be re-moved. However, this also means that the equipment can slide and fall down if the power cable is pulled, which can lead to personal injuries and/or other damage. For this reason, always be careful when laying cables.
31. Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.

32. The device must only be installed in a voltage-free condition (disconnect the mains plug from the mains).
33. Dust and other debris inside the unit may cause damage. The unit should be regularly serviced or cleaned (no guarantee) depending on ambient conditions (dust etc., nicotine, fog) by qualified personnel to prevent overheating and malfunction.
34. Please keep a distance of at least 0.5 m to any combustible materials.
35 Use only the supplied power cable to connect the device to the mains power supply.

CAUTION:
To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.

The warning triangle with lightning symbol indicates dangerous uninsulated voltage inside the unit, which may cause an electrical shock.

The warning triangle with exclamation mark indicates important operating and maintenance instructions.

Warning! This symbol indicates hot surfaces. Specific housing parts can become hot during operation. Allow the device to cool for at least ten minutes after use. Only then can it be transported or touched.

Warning! This device is designed for use below 2000 metres in altitude.

Warning! This product is not intended for use in tropical climates.

Caution! Intense LED light source! Risk of eye damage. Do not look into the light source.

CAUTION! IMPORTANT INFORMATION ABOUT LIGHTING PRODUCTS!
1. Do not stare, even temporarily, directly into the light beam.
2. Do not look at the beam directly with optical instruments such as magnifiers.
3. Strobe effects may cause epileptic seizures in sensitive people! People with epilepsy should definitely avoid places where strobe effects are used.

INTRODUCTION

CONTROL FUNCTIONS

1-channel, 2-channel 1, 2-channel 2, 3-channel, 4-channel and 5-channel DMX control
Master/Slave operation
Standalone functions

FEATURES

IP65 protection rating. 14°–43° beam angle, manual zoom. Adjustable pole-operated pan, tilt, and zoom. 250 mm Fresnel lens. Configurable PWM frequency (flicker free). DMX-512 control. RDM enabled. Manual control. 4 dimmer curves. 16 bit dimming. Master/slave mode. Extremely quiet operation thanks to heat pipe cooling and IP65 fan. Operating voltage: 100–240 V AC / 50–60 Hz.
Power consumption: 460 W. Mounting bracket, filter frame, and 8-way barn door included.

LIGHT SOURCE CLF4DPOIP

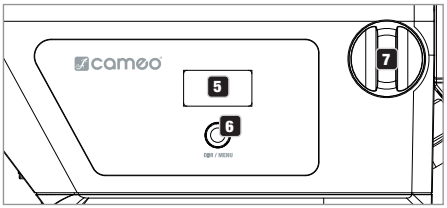
1 x high-power 520 W daylight LED.

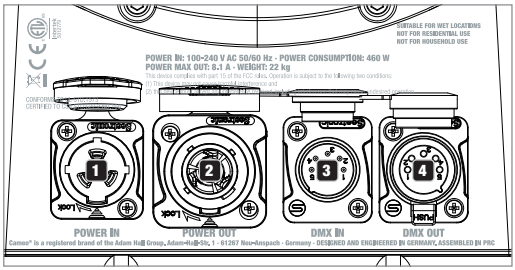
LIGHT SOURCE CLF4TPOIP

1 x high-power 520 W Tungsten LED (warm white).

Both spotlights feature the RDM standard (remote device management). Remote device management allows the user to view status and configuration of RDM terminals via an RDM-capable controller.

CONNECTIONS, OPERATING AND DISPLAY ELEMENTS





1 POWER IN

TRUE1 compatible mains input socket. Operating voltage 100–240 V AC/50–60 Hz. A suitable power cable with powerCON IP65 plug is included in delivery. Always blanked with the corresponding rubber blanking cap if not used.

2 POWER OUT

TRUE1 compatible mains output socket for power supply to additional CAMEO spotlights. Ensure that the total current consumption of all connected devices does not exceed the value specified on the device in amperes (A). Always blanked with the corresponding rubber blanking cap if not used.

3 DMX IN

Male IP65 5-pin XLR connector to connect a DMX control device (e.g., DMX console). Always blanked with the corresponding rubber blanking cap if not used.

4 DMX OUT

Female IP65 5-pin XLR connector to transmit the DMX control signal. Always blanked with the corresponding rubber blanking cap if not used.

5 OLED DISPLAY

Displays currently active mode and the menu items in the Edit menu.

6 DIM/MENU

Rotary-push encoder for the adjustment and control of the spotlight.

DIM – If one of the DMX modes is enabled and there is no DMX signal to the device, the encoder serves as master dimmer control and you can set the brightness of the spotlight with values from 000 to 255 by turning the encoder (Quicklight).

Quicklight
000-255

MENU – Push the encoder to access the main menu and select menu items by turning the encoder.

---------- Menu ----------
DMX Address
DMX mode
Stand Alone
Slave
Settings
System Info

7 ZOOM

The calibration control for manually setting the beam angle is located on the right side of the housing. Directly opposite, on the housing, is the yellow operating knob for manually setting the beam angle with the operating rod (when truss mounted). The calibration control and the drive unit for an operating rod are mechanically connected. Turn the calibration control or yellow operating knob to adjust the beam angle of the spotlight continuously. A rack and pinion system moves the zoom tube with the Fresnel lens in and out of the housing. The further the zoom tube protrudes from the housing, the smaller the beam angle. A stop mechanism prevents the tube from becoming detached from the housing.

PRESSURE EQUALIZATION ELEMENT

The spotlight features pressure equalization elements to keep as little condensation as possible from forming inside the enclosure.

NOTE: The input and output connectors must be protected against splashing water in accordance with the protection rating IP65 by correctly blanking them with the corresponding IP65 plugs or the rubber blanking caps.

OPERATION

TIPS

• As soon as the spotlight is correctly is connected to the power supply, the following will be displayed in succession: “Welcome to Cameo”, the model name and the software version. After this process, the lamp is ready for operation and starts in the previously enabled mode.

• If one of the DMX modes or slave mode is enabled and there is no control signal at the DMX input, the characters in the display will start to flash.

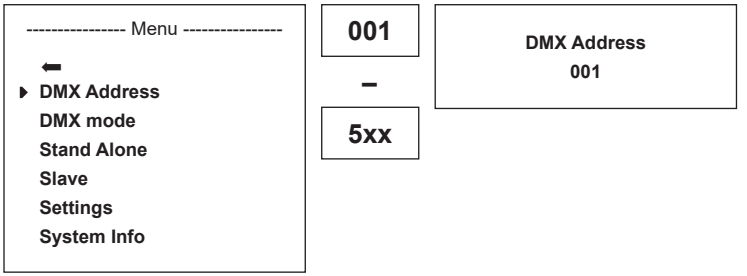
• If no input is made within approximately 30 seconds, the currently activated mode is automatically shown in the display (main display).

MAIN DISPLAY

The main display shows the currently activated mode (in the example DMX mode with DMX start address 001).

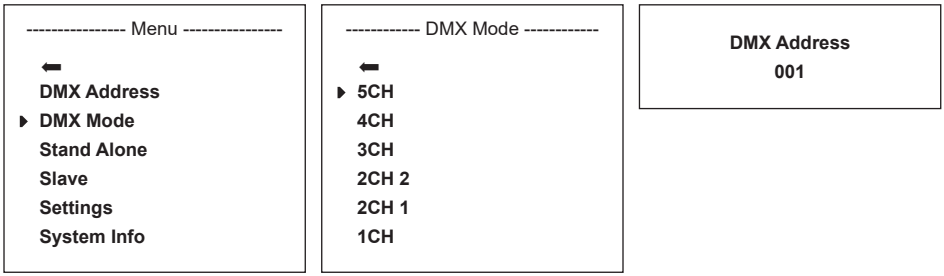
SETTING DMX START ADDRESS (DMX ADDRESS)

Press the encoder to access the main menu. Rotate the encoder to select the menu item “DMX Address” (left arrow) and confirm by pushing the encoder. You can now configure the DMX start address as required by rotating the encoder (the highest value depends on the selected DMX mode). Confirm the entry by pushing the encoder. Select the arrow symbol at the top of the menu for “back” and push the encoder to return to the main display. DMX mode is automatically activated when setting the DMX start address.



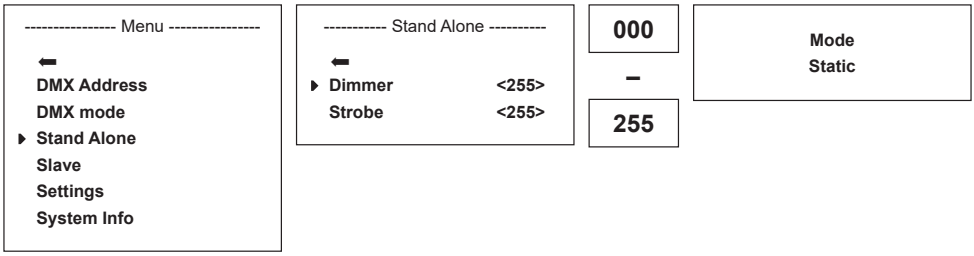
CONFIGURING DMX MODE (DMX Mode)

Press the encoder to access the main menu. Rotate the encoder to select the menu item “DMX Mode” (left arrow) and confirm by pushing the encoder. You can now select the desired DMX mode by rotating the encoder. Confirm the selection by pushing the encoder. Select the arrow symbol at the top of the menu for “back” and push the encoder to return to the main display. Tables with the channel assignment of the different DMX modes can be found in these instructions under DMX CONTROL.



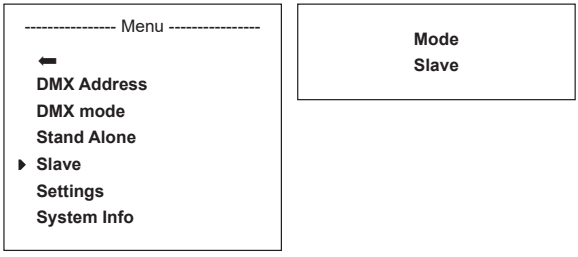
STATIC MODE

Press the encoder to access the main menu. Rotate the encoder to select the menu item “Stand Alone” (left arrow) and confirm by pushing the encoder. Now select the submenu item “Dimmer” and confirm by pushing the encoder and rotate the encoder to set the desired brightness with values between 000 (blackout) and 255 (maximum brightness). Confirm your entry by pressing the encoder. A stroboscopic effect can now be activated as required and set in the same way (strobe value 000 = strobe off. Value 001 = lowest flash frequency. Value 255 = highest flash frequency). Now select the arrow symbol for “back” at the top of the submenu. Push the encoder and access the main menu in the same way to return to the main display.



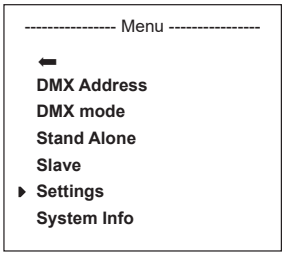
SLAVE MODE

Press the encoder to access the main menu. Rotate the encoder to select the menu item “Slave” (left arrow) and confirm by pushing the encoder. Slave mode is now enabled, and the main display is automatically displayed. Connect the slave and the master units (same model, same software version) with a DMX cable and enable the standalone mode static on the master unit. Now the slave unit will follow the master unit.



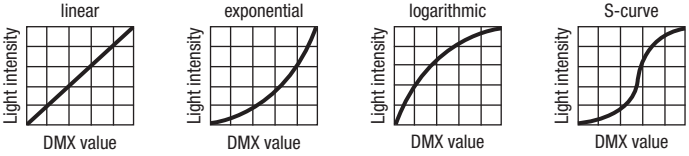
DEVICE SETTINGS (Settings)

Press the encoder to access the main menu. Rotate the encoder to select the menu item “Settings” (left arrow) and confirm by pushing the encoder. This will take you to the submenu for setting the submenu items (see table, rotate the encoder to select and push the encoder to confirm selection). Now select the arrow symbol for “back” at the top of the submenu. Push the encoder and access the main menu in the same way to return to the main display.



Settings				
Display Reverse	=	Rotate display	←	Back
			On	Display is rotated by 180° (e.g. for overhead installation)
			Off	No display rotation
Display Off	=	Display lighting	←	Back
			On	On permanently
			Off	Deactivation after approximately 1 minute of inactivity
DMX fail	=	Operational status with DMX signal fault	←	Back
			Hold	Last command is retained
			or blackout,	Activates blackout
			Full On	Spotlight switches to full on
			Standalone	Stand alone mode is activated
Dimmer curve	=	Dimmer curve	←	Back
			Linear	Light intensity increases linearly with DMX value
			Exponential	Light intensity can be finely adjusted at lower DMX values and broadly adjusted at higher DMX values
			Logarithmic	Light intensity can be broadly adjusted at lower DMX values and finely adjusted at higher DMX values
			S-curve	Light intensity can be finely adjusted at lower and higher DMX values and broadly adjusted at medium DMX values
Dimmer response	=	Dimmer response	←	Back
			LED	Light responds abruptly to changes in DMX value
			Halogen	Light behaves like a halogen spotlight with slight brightness changes
LED Frequency	=	LED PWM frequency	←	Back
			800 Hz / 1200 Hz / 2000 Hz / 3600Hz / 12 kHz / 25 kHz	Configuration of LED PWM frequency
Fan	=	Adjust fan control	←	Back
			Car	Automatic fan speed control
			Off	Deactivated fan with greatly reduced brightness
			Constant Low	Constantly low fan speed with reduced brightness, if necessary
			Constant Medium	Constant average fan speed with reduced brightness, if necessary
Fan	=	Adjust fan control	Constant High	Constant high fan speed
Factory Reset	=	Reset to factory setting	←	Back
			Reset Now!	Reset to factory settings

DIMMER CURVES



SYSTEM INFORMATION (System Info)

Press the encoder to access the main menu. Rotate the encoder to select the menu item "System info" (left arrow) and confirm by pushing the encoder. This will take you to the submenu for selecting the submenu items (see table, rotate the encoder to select and push the encoder to confirm selection). Now select the arrow symbol for "back" at the top of the submenu. Push the encoder and access the main menu in the same way to return to the main display.

---------- Menu ----------

⬅
DMX Address
DMX mode
Stand Alone
Slave
Settings
▸ **System Info**

System Info				
Firmware	=	Displays device firmware	Main CPU	Vx.xx
Temperature	=	Displays temperature of LED unit	⬅	Back
			LED	xx°C / xx°F
			Unit	°C (= display in degrees Celsius)
				°F (= display in degrees Fahrenheit)
Operation Hours	=	Displays operating time	xx:xx h	Displays total operating time in hours and minutes

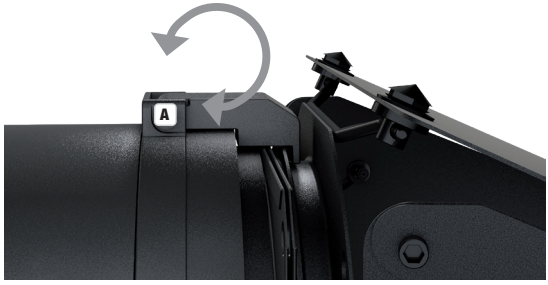
INSTALLATION, MOUNTING AND SETTING WITH OPERATING ROD

Thanks to its four plastic feet, the spotlight can be positioned in a suitable location on a level surface. Mounting to a truss is possible using the built-in 28 mm TV spigot (A) and a suitable TV truss clamp (not supplied). Ensure firm connections and secure the spotlight by attaching a suitable safety cable to the point intended for this purpose on top of the housing (B). Use the side-mounted yellow operating knob (C) to set the beam angle (zoom) with an operating rod. The blue operating knob (D) is for setting the beam direction on the horizontal axis (pan) and the white operating knob (E) is for setting the beam direction on the vertical axis (tilt). The slip clutch in the drive unit for adjusting tilt can be set with a 6 mm hex tool (F).

Important safety information Overhead installation requires extensive experience, which includes calculating the limit values of the working load of the installation material to be used and regular safety inspections of all installation material and spotlights. If you do not have these qualifications, do not attempt to carry out the installation yourself; contact a professional company.

BARNDOOR AND FILTER FRAMES: INSTALLING/REMOVING & CLEANING LENSES

Fully disconnect the device from the mains. To install or remove the barn door and the filter frame, please push the spring-loaded locking pin (A) of the bracket so that it folds upwards. Then return the bracket to its original position so that the locking pin re-engages. The Fresnel lens (B) is in a rubber frame and the glass lens (C) is located behind it. These can be cleaned by folding the bracket upwards (as previously described) and removing the Fresnel lens, with the rubber frame, upwards out of the angle brackets. Clean the Fresnel lens with a moist, lint-free cloth and the glass lens with a special lens cloth. Now place the Fresnel lens in front of the glass lens and fold the bracket back downward until the locking pin engages.



Important safety notice!
For safety reasons, the filter frame must always be in the respective bracket on the spotlight, even if no filter is inserted!

DMX TECHNOLOGY

DMX-512
DMX (Digital Multiplex) is the designation for a universal transmission protocol for communications between corresponding devices and controllers. A DMX controller sends DMX data to the connected DMX device(s). The DMX data is always transmitted as a serial data stream that is forwarded from one connected device to the next via the "DMX IN" and "DMX OUT" connectors (XLR plug-type connectors) that are found on every DMX-capable device, provided the maximum number of devices does not exceed 32 units. The last device in the chain needs to be equipped with a terminator (terminating resistor).

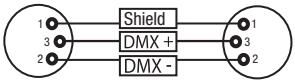
DMX CONNECTION
DMX is the common "language" via which a very wide range of types and models of equipment from various manufacturers can be connected with one another and controlled via a central controller, provided that all of the devices and the controller are DMX compatible. For optimum data transmission, it is necessary to keep the connecting cables between the individual devices as short as possible. The order in which the devices are integrated in the DMX network has no influence on the addresses. Thus the device with the DMX address 1 can be located at any position in the (serial) DMX chain: at the beginning, at the end or somewhere in the middle. If the DMX address 1 is assigned to a device, the controller "knows" that it should send all data allocated to address 1 to this device regardless of its position in the DMX network.

SERIAL CONNECTION OF MULTIPLE LIGHTS
1. Connect the male XLR connector (3-pin or 5-pin) of the DMX cable to the DMX output (female XLR socket) of the first DMX device (e.g. DMX-Controller).
2. Connect the female 3-pin XLR connector of the DMX cable connected to the first projector to the DMX input (male 3-pin socket) of the next DMX device. In the same way, connect the DMX output of this device to the DMX input of the next device and repeat until all devices have been connected. Please note that as a rule, DMX devices are connected in series and connections cannot be shared without active splitters. The maximum number of DMX devices in a DMX chain should not exceed 32 units.

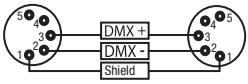
The Adam Hall 3 STAR, 4 STAR, and 5 STAR product ranges include an extensive selection of suitable cables.

DMX CABLES
When fabricating your own cables, always observe the illustrations on this page. Never connect the shielding of the cable to the ground contact of the plug, and always make certain that the shielding does not come into contact with the housing of the XLR plug. If the shielding is connected to the ground, this can lead to short-circuiting and system malfunctions.

Pin Assignment
DMX cable with 3-pin XLR connectors:

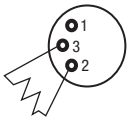


DMX cable with 5-pin XLR connectors (pin 4 and 5 are not used):

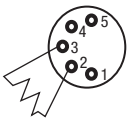


DMX TERMINATORS (TERMINATING RESISTORS)
To prevent system errors, the last device in a DMX chain needs to be equipped with a terminating resistor (120 ohm, 1/4 Watt).
3-pin XLR connector with a terminating resistor: K3DMXT3
5-pin XLR connector with a terminating resistor: K3DMXT5

Pin Assignment
3-pin XLR connector:

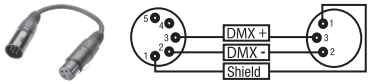


5-pin XLR connector:

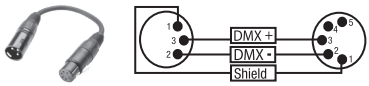


DMX ADAPTER
The combination of DMX devices with 3-pin connectors and DMX devices with 5-pin connectors in a DMX chain is possible with suitable adapters.

Pin Assignment
DMX Adapter 5-pin XLR male to 3-pin XLR female: K3DGF0020
Pins 4 and 5 are not used.



Pin Assignment
DMX Adapter 3-pin XLR male to 5-pin XLR female: K3DHM0020
Pins 4 and 5 are not used.



TECHNICAL DATA

Article number:	CLF4DP0IP	CLF4TP0IP
Product type:	Outdoor LED spotlight	Outdoor LED spotlight
Type:	Pole-operated Fresnel spotlight with zoom function	Pole-operated Fresnel spotlight with zoom function
Color spectrum:	Daylight 5600 K	Tungsten (warm white) 3200 K
CRI:	95	94
Number of LEDs:	1	1
LED type:	520 W	520 W
LED PWM frequency:	600 Hz, 1200 Hz, 2000 Hz, 4000 Hz, 6000 Hz, 25000 Hz, adjustable	600 Hz, 1200 Hz, 2000 Hz, 4000 Hz, 6000 Hz, 25000 Hz, adjustable
Beam angle:	14°–43° (24°–57° field)	14°–43° (24°–57° field)
DMX input:	5-pin XLR male (IP65 Seetronic)	5-pin XLR male (IP65 Seetronic)
DMX output:	5-pin XLR female (IP65 Seetronic)	5-pin XLR female (IP65 Seetronic)
DMX mode:	1-channel, 2-channel 1, 2-channel 2, 3-channel, 4-channel and 5-channel DMX control	1-channel, 2-channel 1, 2-channel 2, 3-channel, 4-channel and 5-channel DMX control
DMX functions:	Dimmer, fine dimmer, strobe, dimmer curve, dimmer response, PWM frequency, fan setting, display, default setting	Dimmer, fine dimmer, strobe, dimmer curve, dimmer response, PWM frequency, fan setting, display, default setting
Controller:	DMX512, RDM-enabled	DMX512, RDM-enabled
Stand-alone functions:	Dimmer, strobe, master/slave, quicklight	Dimmer, strobe, master/slave, quicklight
Control elements:	DIM / MENU rotary-push encoder, manual zoom, cups for pole operation of zoom, pan, and tilt	DIM / MENU rotary-push encoder, manual zoom, cups for pole operation of zoom, pan, and tilt
System settings:	Display flip, display lighting on/off, DMX fail, dimmer curves, dimmer response, PWM frequency, auto lock, fan setting, factory reset	Display flip, display lighting on/off, DMX fail, dimmer curves, dimmer response, PWM frequency, auto lock, fan setting, factory reset
Display elements:	OLED display	OLED display
Operating voltage:	100–240 V AC / 50–60 Hz	100–240 V AC / 50–60 Hz
Power consumption:	460 W	460 W
Luminous flux:	30,000 lm	26,000 lm
Efficiency:	63 lm/W	54 lm/W
Power supply connection:	INPUT: Seetronic, PowerCON TRUE1 compatible OUTPUT: Seetronic, compatible with PowerCON TRUE1 (max. 8.1 A)	INPUT: Seetronic, PowerCON TRUE1 compatible OUTPUT: Seetronic, PowerCON TRUE1 compatible (max. 8.1 A)
Ambient temperature (in operation):	-15 - 45°C	-15 - 45°C
Risk group:	RG1	RG1
Housing material:	Cast metal	Cast metal
Housing color:	Black	Black
Housing cooling:	Temperature-controlled IP65 fan + heat pipe	Temperature-controlled IP65 fan + heat pipe
Protection rating:	IP65	IP65
Dimensions (W × H × D, without mounting bracket and barn door):	433 x 420 x 531 mm	433 x 420 x 531 mm
Weight:	22 kg	22 kg
Additional features:	250 mm Fresnel lens. Manual zoom. Pole-operated bracket with integrated 28 mm TV spigot. Power cable, filter frame, and 8-way door barn included.	250 mm Fresnel lens. Manual zoom. Pole-operated bracket with integrated 28 mm TV spigot. Power cable, filter frame, and 8-way door barn included.

MANUFACTURER´S DECLARATIONS

MANUFACTURER'S WARRANTY & LIMITATIONS OF LIABILITY

You can find our current warranty conditions and limitations of liability at: https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-CAMEO_DE_EN_ES_FR.pdf. To request warranty service for a product, please contact Adam Hall GmbH, Adam-Hall-Str. 1, 61267 Neu Anspach / Email: Info@adamhall.com / +49 (0)6081 / 9419-0.

CORRECT DISPOSAL OF THIS PRODUCT

(valid in the European Union and other European countries with a differentiated waste collection system)

This symbol on the product, or on its documents indicates that the device may not be treated as household waste. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. Please dispose of this product separately from other waste and have it recycled to promote sustainable economic activity. Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation

CE Compliance

Adam Hall GmbH states that this product meets the following guidelines (where applicable):
R&TTE (1999/5/EC) or RED (2014/53/EU) from June 2017
Low voltage directive (2014/35/EU)
EMV directive (2014/30/EU)
RoHS (2011/65/EU)
The complete declaration of conformity can be found at www.adamhall.com.
Furthermore, you may also direct your enquiry to info@adamhall.com.

Misprints and errors as well as technical or other changes are reserved!

DMX CONTROL / DMX STEUERUNG / PILOTAGE DMX / CONTROL DMX / STEROWANIE DMX / CONTROLLO DMX

1CH	2CH 16Bit	2CH Strobe	3CH	Function	Values			
1	1	1	1	Dimmer	000	-	255	0% to 100%
	2			Dimmer fine	000	-	255	0% to 100%
		2	2	Strobe	000	-	005	Strobe open
					006	-	010	Strobe closed
					011	-	033	Pulse Random, slow -> fast
					034	-	056	Ramp up Random, slow -> fast
					057	-	079	Ramp down Random, slow -> fast
					080	-	102	Random Strobe Effect, slow -> fast
					103	-	127	Strobe Break Effect, 5s…..1s (short burst with break)
					128	-	250	Strobe slow -> fast <1Hz - 20Hz
					251	-	255	Strobe open
			3	Dimmer response	000	-	005	No function
					006	-	127	Dimmer Response LED (hold 5s, save)
					128	-	191	Dimmer Response Halogen (hold 5s, save)
					192	-	255	No function

4CH	5CH	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
	2	Dimmer fine	000	-	255	0% to 100%
2	3	Strobe	000	-	005	Strobe open
			006	-	010	Strobe closed
			011	-	033	Pulse Random, slow -> fast
			034	-	056	Ramp up Random, slow -> fast
			057	-	079	Ramp down Random, slow -> fast
			080	-	102	Random Strobe Effect, slow -> fast
			103	-	127	Strobe Break Effect, 5s…..1s (short burst with break)
2	3	Strobe	128	-	250	Strobe slow -> fast <1Hz - 20Hz
			251	-	255	Strobe open
3	4	Dimmer curve	000	-	005	No function
			006	-	063	Linear Dimmer Curve
			064	-	127	Exponential Dimmer Curve
			128	-	191	Logarithmic Dimmer Curve
			192	-	255	S-Curve Dimmer Curve

4	5	Device settings (please read remark 1*)	000	-	005	No function
			006	-	127	Dimmer Response LED (hold 5s)
			128	-	191	Dimmer Response Halogen (hold 5s)
			192	-	196	Fan Auto (hold 5s)
			197	-	201	Fan Off (hold 3s)
			202	-	206	Fan Constant Low (hold 3s)
			207	-	211	Fan Constant Medium (hold 3s)
			212	-	218	Fan Constant High (hold 3s)
			219	-	223	LED PWM Frequency 800 Hz (hold 5s)
			224	-	228	LED PWM Frequency 1200 Hz (hold 5s)
			229	-	233	LED PWM Frequency 2000 Hz (hold 5s)
			234	-	238	LED PWM Frequency 3600 Hz (hold 5s)
			239	-	243	LED PWM Frequency 12 kHz (hold 5s)
			244	-	249	LED PWM Frequency 25 kHz (hold 5s)
			250	-	255	No function

EN: (1*) After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.

DE: (1*) Nachdem die Einstellungen vorgenommen wurden, stellen Sie den Wert auf 000 ein, um Störungen durch endlosen Funktionsaufruf zu vermeiden.

FR: (1*) Une fois les ajustements effectués, réglez la valeur sur 000 pour éviter les perturbations par appel de fonction sans fin.

ES: (1*) Después de realizar los ajustes, establezca el valor en 000 para evitar perturbaciones mediante una llamada de función sin fin.

PL: (1*) Po dokonaniu ustawień ustaw wartość na 000, aby uniknąć zakłóceń przez niekończące się wywołanie funkcji.

IT: (1*) Dopo aver effettuato le regolazioni, impostare il valore su 000 per evitare disturbi causati da una chiamata a funzione infinita.

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