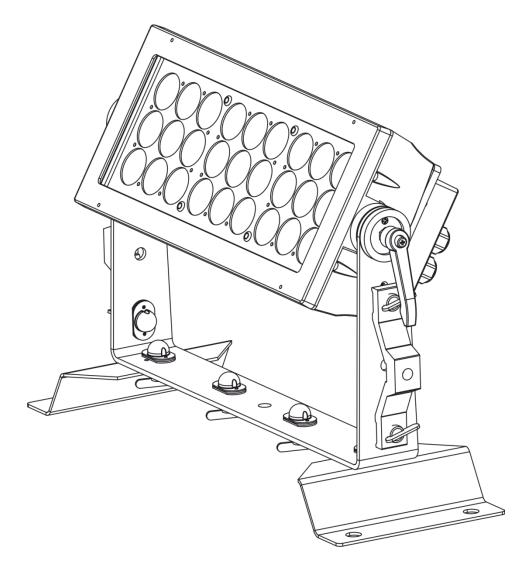


# MANUAL





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	JJZ



35 channels (FULL) 13 channels (PIX1) 19 channels (PIX2) RDM Operations	
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## Warning



For your own safety, please read this user manual carefully before your initial start-up!

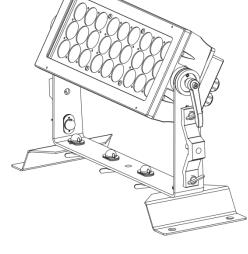


#### **Unpacking Instructions**

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

#### Your shipment includes:

- Showtec Spectral ZP-5
- Safety cable
- 2 x DMX IP65 extension cables
- PowerCON True power cable (1,5 m)
- User manual



#### LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving the lifespan is of higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.



CAUTION! Keep this device away from rain and moisture! Unplug mains lead before opening the housing!



#### **Safety Instructions**

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



CAUTION! Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!



Show

Before the initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes contained in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

#### **IMPORTANT:**

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the fixture holding it by the projector-head, as the mechanics may be damaged. Always hold the fixture by the transport handles.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use the device indoors, avoid contact with water or other liquids.
- Only operate the fixture after having checked if the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the case closed while operating.
- Always allow a free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- If the lens is obviously damaged, it has to be replaced.
- If device was dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue the use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The fixture must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- The user is responsible for correct positioning and operating of the Spectral. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.



- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



## CAUTION! Eyedamages!!! Avoid looking directly into the lightsource!!! (meant especially for epileptics)!!!



#### **Operating Determinations**

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 meter.
- The maximum ambient temperature  $t_a = 40^{\circ}$ C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40° C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

#### Rigging

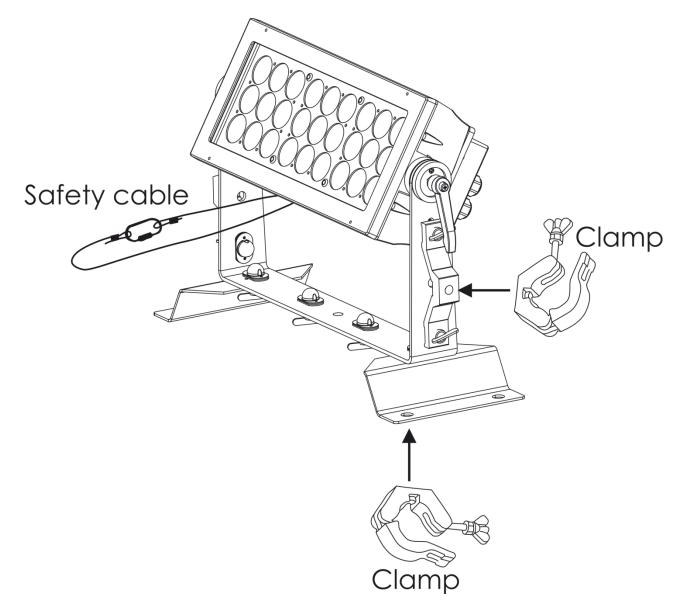
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself ! Always let the installation be carried out by an authorized dealer !

#### Procedure:

- If the projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting bracket, to the trussing system.
- The projector must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety cable.
- When rigging, derigging or servicing the projector, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.





The Spectral can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

Improper installation can cause serious injuries and/or damage of property!

#### Connection with the mains

Connect the device to the mains with the power-plug. Always check if the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always properly connected to the earth!

Improper installation can cause serious injuries and/or damage of property!





## 🛕 Return Procedure 🧕

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail <u>aftersales@highlite.nl</u> and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

# Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

#### Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to report and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless agreed otherwise in writing.

Complaints against us must be prepared in writing or sent by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement from which the obligation is resulting.



## Description of the device

#### Features

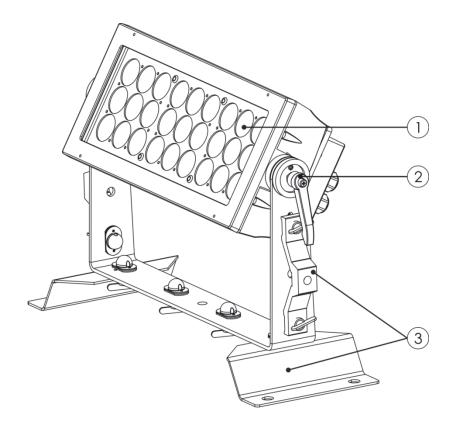
The Spectral ZP-5 is a LED wash fixture with high output and great effects.

- Input voltage: 100-240V AC, 60/50Hz
- Power consumption: 295W
- Light source: 27 x 10W 4-in-1 RGBW Osram LEDs
- Light output: 4300 lumen
- Lux @ 2 m: 20307 lux
- Control protocol: DMX-512, RDM
- DMX channels: 4, 5, 6, 7, 8, 13, 14, 19, 35 channels
- 4-digit LED display for easy setup
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Beam angle: 10-30°
- Control: Static Colors, Auto, Master/Slave, DMX-512
- Housing: Die-cast aluminum
- Connections: PowerCON True power connector IN/OUT, 3-pin XLR IN/OUT
- Cooling: Convection
- IP rating: IP65
- Dimensions: 600 x 213 x 340 mm (LxWxH)
- Weight: 13,4 kg

#### **Optional accessories**

43538 – Barndoor for Spectral ZP-5

#### Frontside

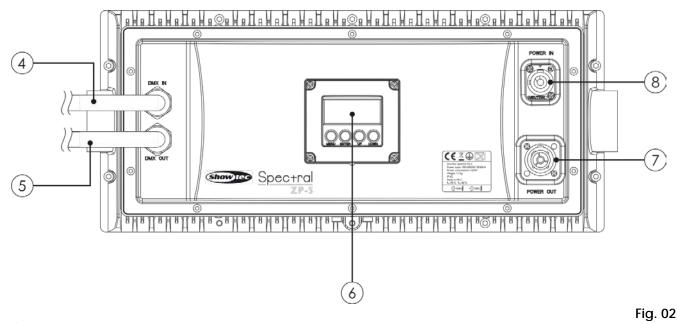


- 01) 27 x 10W 4-in-1 RGBW Osram LEDs
- 02) Adjustment screw
- 03) Mounting brackets with inclination screws

Fig. 01



#### Backside



- 04) 3-pin DMX signal cable IN
- 05) 3-pin DMX signal cable OUT
- 06) 4-digit LED display + menu buttons
- 07) PowerCON True power connector 100-240V OUT
- 08) PowerCON True power connector 100-240V IN

### Installation

Remove all packing materials from the Spectral ZP-5. Check if all foam and plastic padding is removed. Connect all cables.

Do not supply power before the whole system is set up and connected properly. Always disconnect from electric mains power supply before cleaning or servicing. Damages caused by non-observance are not subject to warranty.

## Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode. Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa. Connect the device to the main power supply.



#### **Control Modes**

There are 4 modes:

- Static Colors (Manual)
- Built-in programs (Auto)
- Master/Slave
- DMX-512 (4CH, 5CH, 6CH, 7CH, 8CH, 13CH, 14CH, 19CH, 35CH

#### One Spectral (Static Colors)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 03) When the Spectral is not connected with a DMX cable, it functions as a stand-alone device. Please see page 15 for more information about the static colors.

#### One Spectral (Built-in programs)

- 04) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 05) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 06) When the Spectral is not connected with a DMX cable, it functions as a stand-alone device. Please see page 16 for more information about the built-in programs.

#### Multiple Spectrals (Master/Slave control)

- 01) Fasten the effect light onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Use a special 3-pin XLR cable to connect the Spectral.



- 03) Link the units as shown in fig. 03. Connect the first unit's "out" 3-pin DMX IP65 cable with the second unit's "in" 3-pin DMX IP65 cable. Link the second, third, and fourth units.
- 04) Always use IP65 XLR extension cables to connect the devices, in order to keep them waterproof.
- 05) You can use the same functions on the master device as described on pages 15-16 (Static colors and Built-in programs). This means that you can set your desired operation mode on the master device and all slave devices will react the same as the master device.

#### Multiple Spectrals (Master/Slave control)

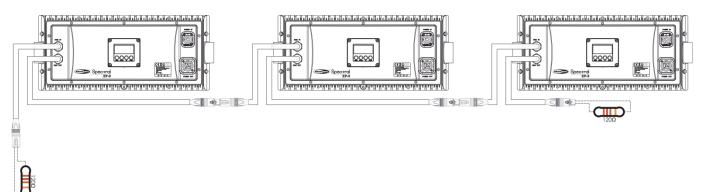
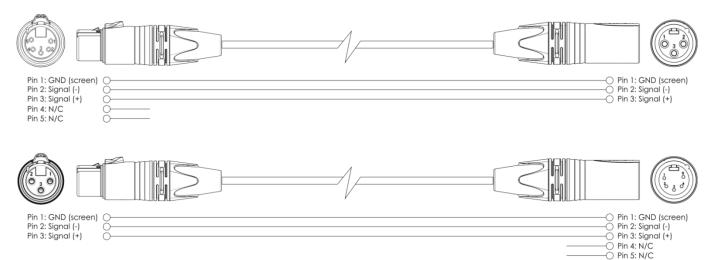


Fig. 03

Show Ta

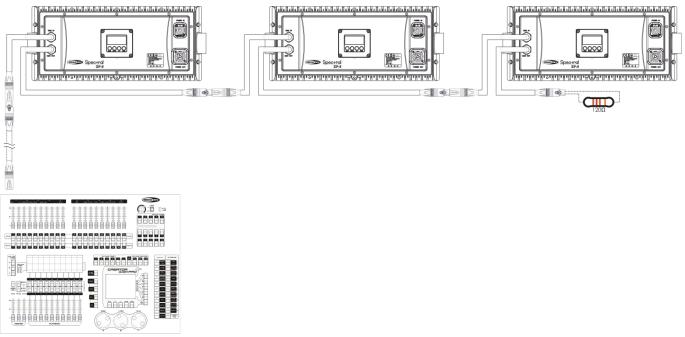
#### Multiple Spectrals (DMX Control)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Always use a safety cable (ordercode 70140 / 70141).
- 03) Use a 3-pin XLR cable to connect the Spectrals and other devices.



- 04) Link the units as shown in fig. 04. Connect a light controller to the first unit's "in" 3-pin DMX IP65 cable, using a DMX cable. Connect the first unit's "out" 3-pin DMX IP65 cable with the second unit's "in" 3-pin DMX IP65 cable. Link the second, third, and fourth units.
- 05) Always use IP65 XLR extension cables to connect the devices, in order to keep them waterproof.
- 06) Supply electric power: Plug electric mains power cords into each unit's PowerCON True power IN socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.

#### Multiple Spectrals DMX Set Up



#### Note : Link all cables before connecting electric power

Fig. 04

Show IG

#### **Fixture Linking**

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows of two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

#### Important:

Fixtures on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal. Maximum recommended DMX data link distance: 100 meters



Maximum recommended number of fixtures on a DMX data link: 30 fixtures Maximum recommended number of fixtures on a power link: @110V: 3 fixtures Maximum recommended number of fixtures on a power link: @240V: 6 fixtures

#### **Data Cabling**

To link fixtures together, you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable, please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

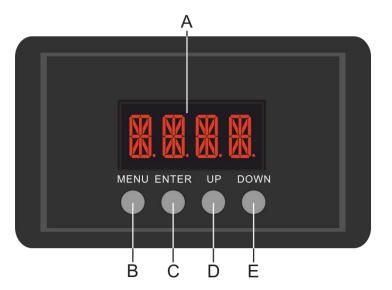
#### DAP Audio DMX Data Cables

- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3-pin > XLR/F 3-pin.
   Ordercode FL01150 (1,5 m), FL013 (3 m), FL016 (6 m), FL0110 (10 m), FL0115 (15 m), FL0120 (20 m).
- DAP Audio X-type data cable XLR/M 3-pin > XLR/F 3-pin. Ordercode FLX0175 (0,75 m), FLX01150 (1,5 m), FLX013 (3 m), FLX016 (6 m), FLX0110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik<sup>®</sup>. **Ordercode** FL71150 (1,5 m), FL713 (3 m), FL716 (6 m), FL7110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik<sup>®</sup>. **Ordercode** FL7275 (0,75 m), FL72150 (1,5 m), FL723 (3 m), FL726 (6 m), FL7210 (10 m).
- DAP Audio 110 Ohm cable with digital signal transmission. Ordercode FL0975 (0,75 m), FL09150 (1,5 m), FL093 (3 m), FL096 (6 m), FL0910 (10 m), FL0915 (15 m), FL0920 (20 m).



The Spectral ZP-5 can be operated with a controller in **control mode** or without the controller in **standalone mode**.

#### **Control Panel**



- A) LED display
- B) MENU button
- C) ENTER button
- D) UP button
- E) DOWN button

Fig. 05

#### **Control Mode**

The fixtures are individually addressed on a data-link and connected to the controller. The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address, next time.)

#### **DMX Addressing**

The control panel on the front side of the base allows you to assign DMX fixture addresses, which is the first channel with which the Spectral will respond to the controller.

Please note, when you use the controller, the unit has 35 channels.

When using multiple Spectrals, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Spectral should be **1(001)**; the DMX address of the second Spectral should be **1+35=36 (036)**; the DMX address of the third Spectral should be **36+35=71 (071)**, etc. Please, be sure that you do not have any overlapping channels in order to control each Spectral correctly. If two or more Spectrals are addressed similarly, they will work similarly.

#### Controlling:

After having addressed all Spectral fixtures, you may now start operating these via your lighting controller.

**Note:** After switching on, the Spectral will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX-input, the "**LED** " on the control panel will not flash. If not, the problem may be:

- The XLR cable from the controller is not connected with the input of the Spectral ZP-5.
- The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

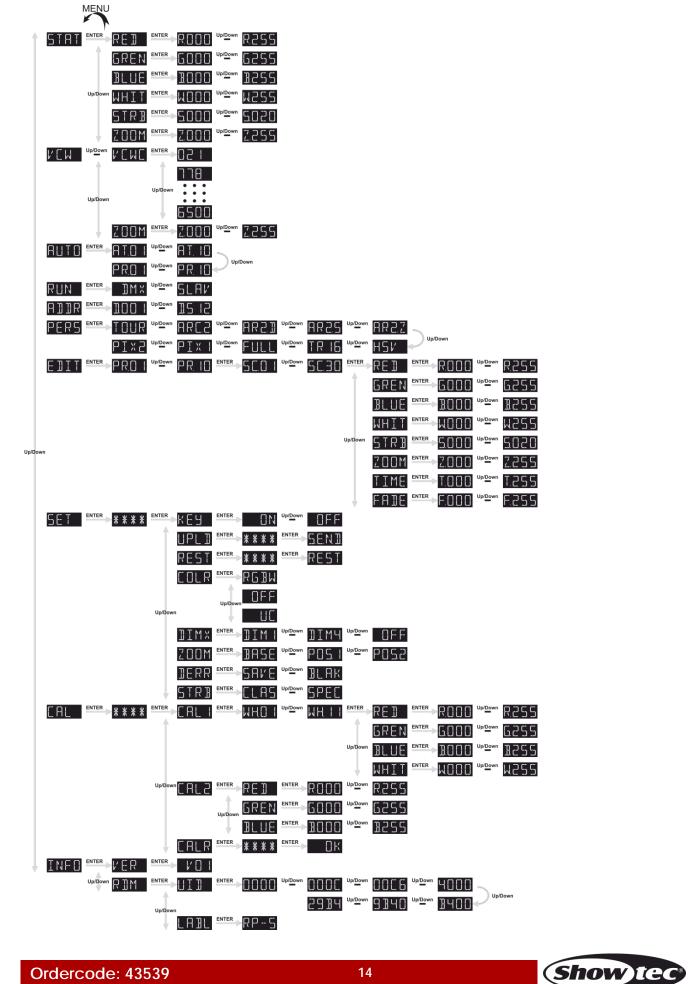
**Note:** It is necessary to insert an XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

## A Display Off after 25 seconds

When no button is pressed for 25 seconds, the display will turn off.

To light up the display, you have to **press the buttons in the following order: UP, DOWN, UP, DOWN, ENTER**. Once you have pressed the buttons, the display will light up.





Menu Overview

#### **Main Menu Options**

STAT	Static Colors
I C II	Color Temperature/Zoom
AUTO	Built-in programs
RUN	Master/Slave Mode
AJJR	DMX-512 Mode
PERS	DMX channel modes (personalities)
EBIT	Edit Mode
SET	Settings
CAL	Calibration
INFO	System Information

#### 1. Static Colors

With this menu, you can set the static colors.



- 01) In the main menu, press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the **UP/DOWN** buttons to toggle through the static colors (RED, GREEN, BLUE, WHITE), Strobe and Zoom.
- 04) Once you have chosen the desired color, press the ENTER button to open the menu.
- 05) Press the **UP/DOWN** buttons to adjust the LED brightness. The adjustment range is between 0-255, from dark to brightest.
- 06) When the display shows **between**, press the **ENTER** button to open the menu.
- 07) Press the **UP/DOWN** buttons to increase/decrease the strobe frequency. The adjustment range is between 0-20, from OFF to high frequency.
- 08) When the display shows **ZUUM**, press the **ENTER** button to open the Zoom settings.
- 09) Press the **UP/DOWN** buttons to set the zoom factor. The adjustment range is between 0-255, from OFF to full zoom.
- 10) You can combine RED, GREEN, BLUE and WHITE to create an infinite range of colors (0-255).



#### 2. Color Macros/Zoom

With this menu you can set the device's color temperature and zoom.

- 01) In the main menu, press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to toggle between the 2 following options:
  - Color Macros



Zoom

- 04) When the display shows **WEWE**, press the **ENTER** button to open the menu.
- 05) Press the **UP/DOWN** buttons to choose the desired color macro. See page 21, channel 6 for the full list of the available macros.
- 06) When the display shows **ZOUM**, press the **ENTER** button to open the Zoom settings.
- 07) Press the **UP/DOWN** buttons to set the zoom factor. The adjustment range is between 0-255, from OFF to full zoom.

#### 3. Built-in programs

With this menu, you can set the built-in programs.



- 01) In the main menu, press the **UP/DOWN** buttons until the display shows **BUFFE** and press the **ENTER** button to open the menu.
- 02) Press the **UP/DOWN** buttons to choose one of the 10 uneditable built-in programs (AT.01-AT.10) and 10 editable presets (PR.01-PR.10) which can be edited in Edit mode (see page 17).
- 03) Press the ENTER button to activate.
- 04) The device will now run the desired built-in program.

#### 4. Master/Slave Mode

With this menu, you can set the device as a slave.

- 01) In the main menu, press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to toggle between the 2 following options:

DMX/Master Mode



Slave Mode

- 04) When the display shows **WIX**, the display is operating in DMX/Master Mode.
- 05) When the display shows **DLHV**, the device is operating in Slave Mode. It means that it will react the same as the master device.

#### 5. DMX-512 Mode

With this menu, you can set the DMX address.

- 01) In the main menu, press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the **UP/DOWN** buttons to choose the desired DMX address. There are 512 available DMX addresses to choose from.



#### 6. DMX channel modes

With this menu, you can set the desired DMX channel mode (personality).



- 01) In the main menu, press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to toggle between the following DMX channel modes:



#### 7. Edit Mode

With this menu, you can create your own custom shows.

Up/Down	56.0 1	Up/Down	56.30	ENTER	RE]	Up/Down	R.255
				1	<b>GREN</b>	Up/Down	6.255
					BLUE	Up/Down	1255
					WHIT	Up/Down	W522
			I	Up/Down	STRB	Up/Down	5.020
					200M	Up/Down	2.255
					TIME	Up/Down	1.255
				Ļ	FRJE	Up/Down	F.255

- 01) In the main menu, press the **UP/DOWN** buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to choose the desired custom program: PR.01 PR.10.
- 04) Press the ENTER button to proceed to the scene choice. Each custom program has 30 scenes, which can be edited.
- 05) Once you have chosen the desired scene, press the ENTER button to enter the settings.
- 06) Press the **UP/DOWN** buttons to toggle between RED, GREEN, BLUE, WHITE, ZOOM, STROBE, STEP TIME and FADE options.
- 07) When the display shows RED, GREEN, BLUE and WHITE, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to increase/decrease the LED brightness. The adjustment range is between 0-255, from OFF to FULL ON.
- 08) When the display shows STROBE, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is between 0-20, from OFF to high frequency.
- 09) When the display shows ZOOM, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to increase/decrease the zoom factor. The adjustment range is between 0-255, from OFF to full zoom.
- 10) When the display shows TIME, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to set the duration of a scene. The adjustment range is between 0-255, from 0 to 255



seconds.

11) When the display shows FADE, press the **ENTER** button to open the menu and press the **UP/DOWN** buttons to set the fade time between particular scenes. The adjustment range is between 0-255, from 0 to 255 seconds.

#### 7.1. How to make your own custom program

- 01) First, start with PR.01 and add the desired settings in scene 1 (SC.01), then scene 2 (SC.02), etc.
- 02) In this way you can add a maximum of 30 scenes.
- 03) After that, you can start with PR.02 and create a maximum of 30 scenes again.
- 04) You can repeat these steps, until you've reached PR.10, step 30.
- 05) It is possible to create 300 separate scenes.

#### 8. Settings

With this menu you can set the device's settings.

- 01) In the main menu, press the **UP/DOWN** buttons until the display shows  $\Box$
- 02) Press the ENTER button to open the menu.
- 03) Now you will need to insert the password to access the menu.
- 04) Press the buttons in the following order: UP>DOWN>UP>DOWN and press the ENTER button to confirm.
- 05) Press the UP/DOWN buttons to toggle between the menus described below.

#### 8.1. Password

With this menu you can set whether the display becomes locked after remaining idle for 30 seconds.

- 01) When the display shows **KEY**, press the **ENTER** button to open the menu.
- 02) Press the UP/DOWN buttons to choose between ON and OFF.
- 03) If you have selected ON, press the ENTER button to confirm.
- 04) It will now take 30 seconds for the device to become locked.
- 05) If this options remains active, the device will always ask for the password on start up.
- 06) In order to unlock the device, press the buttons in the following order: **UP>DOWN>UP>DOWN** and press the **ENTER** button to confirm.

#### 8.2. Upload

With this menu, you can export current programs from the master device to the connected slave devices.

- 01) Press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Insert the password: UP>DOWN>UP>DOWN and press the ENTER button to confirm.
- 04) The display will show **be Nu**.
- 05) While exporting, the devices will light up yellow.
- 06) If there are any problems with exporting, the master and the slave devices will light up red.
- 07) If the operation was completed successfully, the master and the slave devices will light up green.
- 08) If the operation was completed successfully, the display will show OK.

#### 8.3. Reset

With this menu, you can reset the custom programs.

- 01) Press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Insert the password: UP>DOWN>UP>DOWN and press the ENTER button to confirm.
- 04) The custom programs will now be reset.

#### 8.4. Color

With this menu, you can adjust the color calibration functions.

- 01) Press the **UP/DOWN** buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to toggle between the following 3 options:
  - RGB to White



Off

Adjusted output

- 04) When the display shows RGB is played is the specific color which you have calibrated in CAL → RGB.W menu.
- 05) When the display shows **and the RGB** settings are: 255, 255, 255. The RGB values are not adjusted and the output is the most powerful.
- 06) When the display shows **Control**, the RGB output is adjusted to a standard preset universal color. In this way, different Spectral versions are color-balanced in order to match each other.

#### 8.5. Dimmer

With this menu, you can adjust the dimmer.

- 01) Press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the **UP/DOWN** buttons to choose one of the 4 dimmer speed options (DIM1-DIM4, from fast to slow) and OFF.
- 04) If you choose OFF, then RGBW and the master dimmer are linear.
- 05) The dimmer settings do not have any influence on the device's performance in DMX **TOUR** mode. The DMX settings override the dimmer settings.

#### 8.6. Zoom presets

With this menu you can set the zoom position.

- 01) When the display shows **ZUUM**, press the **ENTER** button to open the menu.
- 02) Press the UP/DOWN buttons to choose one of the 3 zoom presets: BRSE, POSI and POS2.

#### 8.7. DMX Error

With this menu, you can determine the device's behaviour in case of a DMX signal error.

- 01) Press the **UP/DOWN** buttons until the display shows
- 02) Press the UP/DOWN buttons to toggle between the 2 options: Blackout



DMX data save

- 03) If the display shows **BLAK**, the Spectral will black the output out, in case of a DMX signal error.
- 04) If the display shows **DHVE**, the Spectral will fall back on the last working DMX signal, which will ensure undisrupted performance.

#### 8.8. Strobe Settings

With this menu you can choose the desired strobe mode.

- 01) Press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to toggle between the following 2 options:
  - Classic strobe



Special strobe

04) If you have chosen **DFCL**, strobe will be active only if you operate the device in one of the following DMX channel modes/personalities: **TOUR**, **AR2.S** and **TR16**.

#### 9. Calibration

With this menu, you can adjust the characteristics of the white color or set the RGB calibration.

- 01) In the main menu, press the UP/DOWN buttons until the display shows
- 02) Press the ENTER button to open the menu.
- 03) Insert the password: UP>DOWN>UP>DOWN and press the ENTER button to confirm.
- 04) Press the UP/DOWN buttons to toggle between the following 3 options:
  - White settings



**RGB** calibration

Calibration reset

#### 9.1. White color settings

With this menu you can adjust the temperature of the built-in white color presets.

- 01) When the display shows **LFIL**, press the **ENTER** button to open the menu.
- 02) Press the UP/DOWN buttons to choose one of the 11 white color presets:
- 03) Once you have chosen the desired preset, press the **ENTER** button to open the submenu.
- 04) Press the UP/DOWN buttons to toggle between RED, GREEN, BLUE and WHITE.
- 05) Press the ENTER button to open the desired color's brightness settings.
- 06) Press the **UP/DOWN** buttons to increase/decrease the color brightness. The adjustment range of each color is between 0-255, from dark to brightest.

#### 9.2. RGB calibration

With this menu you can adjust the temperature of the white color.

- 01) When the display shows **Little**, press the **ENTER** button to open the menu.
- 02) Now you can adjust the intensity of the RGB colors. Press the **UP/DOWN** buttons to toggle between RED, GREEN and BLUE.
- 03) Press the ENTER button to open the desired color's brightness settings.
- 04) Press the **UP/DOWN** buttons to increase/decrease the color brightness. The adjustment range of each color is between 0-255, from dark to brightest.

#### 9.3. Calibration reset

- 01) When the display shows **CHLR**, press the **ENTER** button to open the menu.
- 02) Insert the password: UP>DOWN>UP>DOWN and press the ENTER button to confirm.
- 03) The settings, which you have previously adjusted, will have been reset and the display will show OK.

Show IG

#### **10. System Information**

With this menu you can view the system information.

- 01) In the main menu, press the **UP/DOWN** buttons until the display shows **INFO**
- 02) Press the ENTER button to open the menu.
- 03) Press the UP/DOWN buttons to toggle between the 2 following options:

Software information

ME

**RDM** information

- 04) When the display shows VER, press the ENTER button to view the current software version.
- 05) When the display shows **RIM**, press the **ENTER** button to open the menu.
- 06) Press the **UP/DOWN** buttons to toggle between the 2 following submenus : Device's ID number

. A 3L

Device's label

- 07) When the display shows **UTUP**, press the **ENTER** button to open the menu.
- 08) Press the UP/DOWN buttons to choose the desired ID number.
- 09) When the display shows **LABL**, press the **ENTER** button to view the device's label.

#### **DMX** Channels

14 channels (	TOUR)
Channel 1 - [	Dimmer intensity
0-255	Gradual adjustment, from dark to brightest 0-100%
Channel 2 - F	Red 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Red, from 0-100%
0 200	
Channel 3 - C	Green 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Green, from 0-100%
Channel 4 – E	Blue 🛆 Dimmer must be open 🛕
0-255	Gradual adjustment Blue, from 0-100%
Channel E	White 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment White, from 0-100%
0-233	
	Macros  Dimmer must be open
0-5	Not functional
<u>6-10</u> 11-15	Moroccan pink (790)
16-20	Pink (157)
21-25	Special rose pink (332) Follies pink (328)
26-30	Fuchsia pink (326)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (071)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)

Show Ite

66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

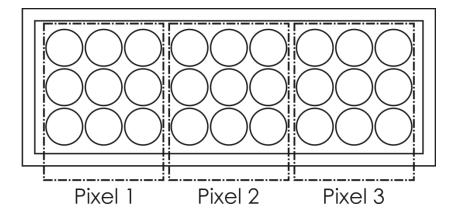
Channel 7 - C	olor Macros/White 🛕 Dimmer must be open 🛕
0-10	Not functional
11-30	Red 100% / Green Up / Blue 0%
31-50	Red Down / Green 100% / Blue 0%
51-70	Red 0% / Green 100% / Blue Up
71-90	Red 0% / Green Down / Blue 100%
91-110	Red Up / Green 0% / Blue 100%
111-130	Red 100% / Green 0% / Blue Down
131-150	Red 100% / Green Up / Blue Up
151-170	Red Down / Green Down / Blue 100%
171-200	Red 100% / Green 100% / Blue 100% / White 100%
201-205	White 1: 3200K
206-210	White 2: 3400K
211-215	White 3: 4200K
216-220	White 4: 4900K
221-225	White 5: 5600K
226-230	White 6: 5900K
231-235	White 7: 6500K
236-240	White 8: 7200K
241-245	White 9: 8000K
246-250	White 10: 8500K
251-255	White 11: 10000K



0-9	Not functional
10-255	Strobe flash frequency, from OFF to high frequency
Channol 8	- Special Strobe 🛆 CH1-7 must be open and strobe must be set to SPEC (page 20) 🛕
0-9	Not functional
<u> </u>	Strobe flash frequency, from slow to fast
100-109	Not functional
110-179	Pulse strobe, from slow to fast
180-189	Not functional
190-255	Random strobe, from slow to fast
Channel O	Built in programs (Custom programs A Dimmer must be open A
<u>Cnannel 9</u> 0-40	- Built-in programs/Custom programs 🕰 Dimmer must be open 🕰 Not functional
<u>0-40</u> 41-50	Auto 1
41-50 51-60	Auto 1 Auto 2
61-70	Auto 2 Auto 3
	Auto 4
81-90	Auto 5
81-90 91-100	Auto 5 Auto 6
81-90 91-100 101-110	Auto 5 Auto 6 Auto 7
81-90 91-100 101-110 111-120	Auto 5         Auto 6         Auto 7         Auto 8
81-90 91-100 101-110 111-120 121-130	Auto 5Auto 6Auto 7Auto 8Auto 9
81-90 91-100 101-110 111-120 121-130 131-140	Auto 5Auto 6Auto 7Auto 8Auto 9Auto 10
81-90 91-100 101-110 111-120 121-130 131-140 141-150	Auto 5Auto 6Auto 7Auto 8Auto 9Auto 10PR.01
81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160	Auto 5Auto 6Auto 7Auto 8Auto 9Auto 10PR.01PR.02
81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 161-170	Auto 5         Auto 6         Auto 7         Auto 8         Auto 9         Auto 10         PR.01         PR.02         PR.03
81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 161-170 171-180	Auto 5         Auto 6         Auto 7         Auto 8         Auto 9         Auto 10         PR.01         PR.02         PR.03         PR.04
81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 161-170 171-180 181-190	Auto 5         Auto 6         Auto 7         Auto 8         Auto 9         Auto 10         PR.01         PR.02         PR.03         PR.04         PR.05
81-90         91-100         101-110         111-120         121-130         131-140         141-150         151-160         161-170         171-180         181-190         191-200	Auto 5         Auto 6         Auto 7         Auto 8         Auto 9         Auto 10         PR.01         PR.02         PR.03         PR.04         PR.05         PR.06
81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 151-160 161-170 171-180 181-190 191-200 201-210	Auto 5         Auto 6         Auto 7         Auto 8         Auto 9         Auto 10         PR.01         PR.02         PR.03         PR.04         PR.05
71-80 81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 161-170 171-180 181-190 191-200 201-210 211-220 221-230	Auto 5         Auto 6         Auto 7         Auto 8         Auto 9         Auto 10         PR.01         PR.02         PR.03         PR.04         PR.05         PR.06         PR.07

# Channel 10 - Auto speed A CH9 must be set between 41-140 0-255 Speed adjustment, from slow to fast

Channel 11 – Dimmer speed			
0-9	Preset dimmer speed from the device's menu		
10-29	Linear dimmer		
30-69	Non-linear dimmer 1 (fastest)		
70-129	Non-linear dimmer 2		
130-189	Non-linear dimmer 3		
190-255	Non-linear dimmer 4 (slowest)		



## Channel 12 – Pixel selection A Dimmer and CH2-7 must be open

0-9	Pixels 1+2+3 ON
10-19	Pixel 1 ON
20-29	Pixel 2 ON
30-39	Pixel 3 ON
40-49	Pixels 1+2 ON
50-59	Pixels 1+3 ON
60-69	Pixels 2+3 ON
70-159	Pixels 1+2+3 ON
160-179	Chase from left to right, from slow to fast
180-199	Chase from right to left, from slow to fast
200-219	Chase from left to right to left, from slow to fast
220-239	Random chase, from slow to fast
240-255	Pixels 1+2+3 ON

#### Channel 13 – Zoom

0-255	Zoom adjustment, from small to big

#### Channel 14 – Zoom reset

0-200	Not functional	
201-220	Zoom reset	
221-255	Not functional	

#### 5 channels (ARC.2)



Show IG

16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (345)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (071)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

#### 6 channels (AR2.D)

Channel 1 -	Dimmer intensity
0-255	Gradual adjustment, from dark to brightest 0-100%
Channel 2 -	Red $\triangle$ Dimmer must be open $\triangle$
0-255	Gradual adjustment Red, from 0-100%
Channel 3 -	Green 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Green, from 0-100%
Channel 4 -	Blue $\triangle$ Dimmer must be open $\triangle$
0-255	Gradual adjustment Blue, from 0-100%
Channel E	
0-255	Gradual adjustment White, from U-100%
Channel 5 – 0-255	White A Dimmer must be open A         Gradual adjustment White, from 0-100%

Show tec

0-5	- Macros 🕰 Dimmer must be open 🕰 Not functional
6-10	Moroccan pink (790)
11-15	Pink (157)
16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (345)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (071)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

Spectral Z	(P-5
7 channels ( <i>I</i>	-
	Dimmer intensity
0-255	Gradual adjustment, from dark to brightest 0-100%
Channel 2 -	Red \Lambda Dimmer must be open 🕰
0-255	Gradual adjustment Red, from 0-100%
Channel 3 -	Green \Lambda Dimmer must be open \Lambda
0-255	Gradual adjustment Green, from 0-100%
Channel 4	Blue 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Blue, from 0-100%
0200	
<u>-</u>	
	White  Dimmer must be open
0-255	Gradual adjustment White, from 0-100%
Channel 6 -	Macros 🕰 Dimmer must be open 🕰
0-5	Not functional
6-10	Moroccan pink (790)
11-15	Pink (157)
16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (345)
<u>31-35</u> 36-40	Surprise pink (194) Congo blue (181)
41-45	Tokyo blue (071)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100 101-105	Medium blue green (116) Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
<u>186-200</u> 201-215	White 2: 3200K           White 3: 4000K
201-213	



Spectral ZP-5		
216-230	White 4: 5600K	
231-245	White 5: 6000K	
246-255	White 6: 6500K	
Channel 7 – S	Strobe 🛆 CH1-6 must be open 🛕	
0-9	Not functional	
10-255	Strobe flash frequency, from OFF to high frequency	
4 channels (H	-	
	lue (color variations)	
0-255	Gradual adjustment hue, from 0-100%	
Channel 2	Red color saturation	
0-255	Saturation adjustment, from 0-100%	
Channel 3 - V	/alue (dimmer)	
0-255	Gradual adjustment dimmer, from dark to brightest	
Channel 4 - N	Macros 🛆 Dimmer must be open 🛕	
0-5	Not functional	
6-10	Moroccan pink (790)	
11-15	Pink (157)	
16-20	Special rose pink (332)	
21-25	Follies pink (328)	
26-30	Fuchsia pink (345)	
31-35	Surprise pink (194)	
36-40	Congo blue (181)	
41-45	Tokyo blue (071)	
<u>46-50</u> 51-55	Deep blue (120) Just blue (079)	
56-60	Medium blue (132)	
61-65	Double CT blue (200)	
66-70	State blue (161)	
71-75	Full CT blue (201)	
76-80	Half CT blue (202)	
81-85	Steel blue (117)	
86-90	Lighter blue (353)	
91-95	Light blue (118)	
96-100	Medium blue green (116)	
101-105	Dark green (124)	
106-110	Primary green (139)	
<u>111-115</u> 116-120	Moss green (089) Fern green (122)	
121-125	JAS green (738)	
126-130	Lime green (088)	
131-135	Spring yellow (100)	
136-140	Deep amber (104)	
141-145	Chrome orange (179)	
146-150	Orange (105)	
151-155	Gold amber (021)	
156-160	Millenium gold (778)	
161-165	Deep golden amber (135)	
166-170	Flame red (164)	
171-185	White 1: 2700K	
186-200	White 2: 3200K	



Spectral	70-5
Spectral	
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K
19 channel	s (TR16)
Channel 1 -	- Dimmer intensity
0-255	Gradual adjustment, from dark to brightest 0-100%
	- Fine dimmer A Dimmer must be open A
0-255	Fine dimmer adjustment, from dark to brightest 0-100%
	- Red 🛕 Dimmer must be open 🛕
0-255	
0 200	Gradual adjustment Red, from 0-100%
	- Fine Red A Dimmer must be open
Channel 4	
<b>Channel 4</b> - 0-255	- Fine Red 🛕 Dimmer must be open 🛕
<b>Channel 4</b> - 0-255	- Fine Red Dimmer must be open A Fine adjustment Red, from 0-100%
<b>Channel 4</b> - 0-255 <b>Channel 5</b> - 0-255	- Fine Red A Dimmer must be open A Fine adjustment Red, from 0-100% - Green A Dimmer must be open A
<b>Channel 4</b> - 0-255 <b>Channel 5</b> - 0-255	- Fine Red Dimmer must be open A Fine adjustment Red, from 0-100% - Green Dimmer must be open A Gradual adjustment Green, from 0-100%
Channel 4 - 0-255 Channel 5 - 0-255 Channel 6 - 0-255	- Fine Red Dimmer must be open A Fine adjustment Red, from 0-100% - Green Dimmer must be open A Gradual adjustment Green, from 0-100% - Fine Green Dimmer must be open A

Channel 8 – Fine BlueDimmer must be open0-255Fine adjustment Blue, from 0-100%

 Channel 9 - White A Dimmer must be open A

 0-255
 Gradual adjustment White, from 0-100%

Channel 10 – Fine White Dimmer must be open 0-255 Fine adjustment White, from 0-100%

Channel 11	Channel 11 – Macros 🛕 Dimmer must be open 🛕		
0-5	Not functional		
6-10	Moroccan pink (790)		
11-15	Pink (157)		
16-20	Special rose pink (332)		
21-25	Follies pink (328)		
26-30	Fuchsia pink (345)		
31-35	Surprise pink (194)		
36-40	Congo blue (181)		
41-45	Tokyo blue (071)		
46-50	Deep blue (120)		
51-55	Just blue (079)		
56-60	Medium blue (132)		
61-65	Double CT blue (200)		
66-70	State blue (161)		



71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

Channel 12 - I	Macros 🛕 Dimmer must be open 🛕
0-10	Not functional
11-30	Red 100% / Green Up / Blue 0%
31-50	Red Down / Green 100% / Blue 0%
51-70	Red 0% / Green 100% / Blue Up
71-90	Red 0% / Green Down / Blue 100%
91-110	Red Up / Green 0% / Blue 100%
111-130	Red 100% / Green 0% / Blue Down
131-150	Red 100% / Green Up / Blue Up
151-170	Red Down / Green Down / Blue 100%
171-200	Red 100% / Green 100% / Blue 100% / White 100%
201-205	White 1: 3200K
206-210	White 2: 3400K
211-215	White 3: 4200K
216-220	White 4: 4900K
221-225	White 5: 5600K
226-230	White 6: 5900K
231-235	White 7: 6500K
236-240	White 8: 7200K
241-245	White 9: 8000K
246-250	White 10: 8500K
251-255	White 11: 10000K

0-9	- Classic Strobe A CH1-12 must be open and strobe must be set to CH1-12 must be 20) A Not functional
10-255	Strobe flash frequency, from OFF to high frequency
10 200	stobe hast frequency, norm of the high frequency
	- Special Strobe 🕰 CH1-12 must be open and strobe must be set to 📴 💷 (page 20) 🕰
0-9	Not functional
10-99	Strobe flash frequency, from slow to fast
100-109	Not functional
110-179	Pulse strobe, from slow to fast
180-189	Not functional
190-255	Random strobe, from slow to fast
Channel 1/	– Built-in programs/Custom programs 🛕 Dimmer must be open 🛕
0-40	Not functional
41-50	Auto 1
<u>41-50</u> 51-60	Auto 1 Auto 2
61-70	Auto 2 Auto 3
71-80	Auto 3 Auto 4
81-90	Auto 4 Auto 5
91-100	Auto 5 Auto 6
101-110	Auto 7
111-120	Auto 8
121-130	Auto 9
131-140	Auto 10
141-150	PR.01
151-160	PR.02
161-170	PR.03
171-180	PR.04
181-190	PR.05
191-200	PR.06
201-210	PR.07
211-220	PR.08
221-230	PR.09
231-255	PR.10

## Channel 15 – Auto speed 🛕 CH14 must be set between 41-140 🛕

 0-255
 Speed adjustment, from slow to fast

 Channel 16 - Dimmer speed

0-9	Preset dimmer speed from the device's menu
10-29	Linear dimmer
30-69	Non-linear dimmer 1 (fastest)
70-129	Non-linear dimmer 2
130-189	Non-linear dimmer 3
190-255	Non-linear dimmer 4 (slowest)

# Channel 17 – Pixel selection A Dimmer and CH2-12 must be open

0-9	Pixels 1+2+3 ON
10-19	Pixel 1 ON
20-29	Pixel 2 ON
30-39	Pixel 3 ON
40-49	Pixels 1+2 ON
50-59	Pixels 1+3 ON
60-69	Pixels 2+3 ON
70-159	Pixels 1+2+3 ON
160-179	Chase from left to right, from slow to fast
180-199	Chase from right to left, from slow to fast
200-219	Chase from left to right to left, from slow to fast
220-239	Random chase, from slow to fast
240-255	Pixels 1+2+3 ON

#### Channel 18 – Zoom

0-255	Zoom adjustment, from small to big	<u>g</u>
Channel 19	9 – Zoom reset	
0-200	Not functional	
201-220	Zoom reset	
221-255	Not functional	

#### 8 channels (AR2.Z)

Channel 1	Channel 1 – Dimmer intensity	
0-255	Gradual adjustment, from dark to brightest 0-100%	
Channel 2	– Red 🛕 Dimmer must be open 🛕	
0-255	Gradual adjustment Red, from 0-100%	
Channel 3	– Green 🛕 Dimmer must be open 🛕	
0-255	Gradual adjustment Green, from 0-100%	
-	– Blue 🛕 Dimmer must be open 🛕	
0-255	Gradual adjustment Blue, from 0-100%	
	- White $\triangle$ Dimmer must be open $\triangle$	
0-255	Gradual adjustment White, from 0-100%	
Channel 6	– Macros 🛆 Dimmer must be open 🛕	
0-5	Not functional	
6-10	Moroccan pink (790)	
11-15	Pink (157)	
16-20	Special rose pink (332)	
21-25	Follies pink (328)	
26-30	Fuchsia pink (345)	
31-35	Surprise pink (194)	
36-40	Congo blue (181)	
41-45	Tokyo blue (071)	
46-50	Deep blue (120)	
51-55	Just blue (079)	
56-60	Medium blue (132)	
61-65	Double CT blue (200)	



66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

# Channel 7 – Classic Strobe 🛕 CH1-6 must be open 🛕

0-9	Not functional
10-255	Strobe flash frequency, from OFF to high frequency

#### Channel 8 – Zoom reset

0-200	Not functional
201-220	Zoom reset
221-255	Not functional



Spectral ZP-5
35 channels (FULL)
Channel 1 – Dimmer intensity
0-255 Gradual adjustment, from dark to brightest 0-100%
Channel 2 – Fine dimmer A Dimmer must be open A
0-255 Fine dimmer adjustment, from dark to brightest 0-100%
Channel 2 – Step time 🛕 CH30 must be set between 141-255 🛕
0-255 Step time adjustment, from 0-255 seconds
Pixel 1     Pixel 2     Pixel 3
Channel 3 – Pixel 1 (Red)       Dimmer must be open         0-255       Gradual adjustment Red, from 0-100%
Channel 3 – Fade time A CH30 must be set between 141-255 A 0-255 Fade time adjustment, from 0-100%
Channel 4 – Pixel 1 (Fine Red)  Dimmer must be open
0-255 Fine adjustment Red, from 0-100% Channel 5 – Pixel 1 (Green) Dimmer must be open
0-255 Gradual adjustment Green, from 0-100%
Channel 6 – Pixel 1 (Fine Green) 🛕 Dimmer must be open 🛕
0-255 Fine adjustment Green, from 0-100%
Channel 7 – Pixel 1 (Blue) A Dimmer must be open A         0-255       Gradual adjustment Blue, from 0-100%
Channel 8 – Pixel 1 (Fine Blue) Dimmer must be open 1         0-255       Fine adjustment Blue, from 0-100%
Channel 9 - Pixel 1 (White)       Dimmer must be open         0-255       Gradual adjustment White, from 0-100%
Channel 10 – Pixel 1 (Fine White)       Dimmer must be open         0-255       Fine adjustment White, from 0-100%

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Spectral ZP-5
Channel 11 – Pixel 2 (Red) 🛕 Dimmer must be open 🛕
0-255 Gradual adjustment Red, from 0-100%
_Channel 12 – Pixel 2 (Fine Red) 🔬 Dimmer must be open 🔬
0-255 Fine adjustment Red, from 0-100%
A A
Channel 13 – Pixel 2 (Green) 🕰 Dimmer must be open 🕰
0-255 Gradual adjustment Green, from 0-100%
Channel 14 – Pixel 2 (Fine Green) 🕰 Dimmer must be open 🕰
0-255 Fine adjustment Green, from 0-100%
Channel 15 – Pixel 2 (Blue)       Dimmer must be open         0-255       Gradual adjustment Blue, from 0-100%
0-255 Gradual adjustment Blue, from 0-100%
Channel 16 Divel 2 (Eine Plue) A Dimmer must be even
Channel 16 – Pixel 2 (Fine Blue)       Dimmer must be open         0-255       Fine adjustment Blue, from 0-100%
Channel 17 – Pixel 2 (White) 🛕 Dimmer must be open 🛕
0-255 Gradual adjustment White, from 0-100%
Channel 18 – Pixel 2 (Fine White) 🛕 Dimmer must be open 🛕
0-255 Fine adjustment White, from 0-100%
_Channel 19 – Pixel 3 (Red) 🛕 Dimmer must be open 🛕
0-255 Gradual adjustment Red, from 0-100%
A A
_Channel 20 – Pixel 3 (Fine Red) 🔬 Dimmer must be open 🔬
0-255 Fine adjustment Red, from 0-100%
Channel 21 – Pixel 3 (Green) 🕰 Dimmer must be open 🕰
0-255 Gradual adjustment Green, from 0-100%
Channel 22 – Pixel 3 (Fine Green) 🕰 Dimmer must be open 🕰
0-255 Fine adjustment Green, from 0-100%
Channel 23 – Pixel 3 (Blue) Dimmer must be open
0-255 Gradual adjustment Blue, from 0-100%
Channel 24 – Pixel 3 (Fine Blue) Dimmer must be open 0-255 Fine adjustment Blue, from 0-100%
Channel 25 – Pixel 3 (White) 🛕 Dimmer must be open 🛕
0-255 Gradual adjustment White, from 0-100%
Channel 26 – Pixel 3 (Fine White) 🛕 Dimmer must be open 🛕
0-255 Fine adjustment White, from 0-100%



01 107	
0-5	- Macros Dimmer must be open A Not functional
6-10	Moroccan pink (790)
11-15	Pink (157)
16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (325)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (181)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	
	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

# Channel 28 – Macros 🛕 Dimmer must be open 🛕

0-10	Not functional
11-30	Red 100% / Green Up / Blue 0%
31-50	Red Down / Green 100% / Blue 0%
51-70	Red 0% / Green 100% / Blue Up
71-90	Red 0% / Green Down / Blue 100%
91-110	Red Up / Green 0% / Blue 100%
111-130	Red 100% / Green 0% / Blue Down
131-150	Red 100% / Green Up / Blue Up
151-170	Red Down / Green Down / Blue 100%
171-200	Red 100% / Green 100% / Blue 100% / White 100%
201-205	White 1: 3200K
206-210	White 2: 3400K
211-215	White 3: 4200K

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### **Spectral ZP-5**

216-220	White 4: 4900K	
221-225	White 5: 5600K	
226-230	White 6: 5900K	
231-235	White 7: 6500K	
236-240	White 8: 7200K	
241-245	White 9: 8000K	
246-250	White 10: 8500K	
251-255	White 11: 10000K	

# Channel 29 – Classic Strobe 🛕 CH1-28 must be open and strobe must be set to []

0-9	Not functional
10-255	Strobe flash frequency, from OFF to high frequency

# Channel 29 – Special Strobe \Lambda CH1-28 must be open and strobe must be set to SPEC (page 20) A

0-9	Not functional
10-99	Strobe flash frequency, from slow to fast
100-109	Not functional
110-179	Pulse strobe, from slow to fast
180-189	Not functional
190-255	Random strobe, from slow to fast

### \_Channel 30 – Built-in programs/Custom programs 🛕 Dimmer must be open 🥻

0-40	Not functional
41-50	Auto 1
51-60	Auto 2
61-70	Auto 3
71-80	Auto 4
81-90	Auto 5
91-100	Auto 6
101-110	Auto 7
111-120	Auto 8
121-130	Auto 9
131-140	Auto 10
141-150	PR.01
151-160	PR.02
161-170	PR.03
171-180	PR.04
181-190	PR.05
191-200	PR.06
201-210	PR.07
211-220	PR.08
221-230	PR.09
231-255	PR.10

# Channel 31 – Auto speed 🛕 CH30 must be set between 41-140 🛕

0-255 Speed adjustment, from slow to fast

#### Channel 32 – Dimmer speed

0-9	Preset dimmer speed from the device's menu
10-29	Linear dimmer
30-69	Non-linear dimmer 1 (fastest)
70-129	Non-linear dimmer 2
130-189	Non-linear dimmer 3
190-255	Non-linear dimmer 4 (slowest)



#### Channel 33 – Pixel selection <u>A</u>CH1-28 must be open A 0-9 Pixels 1+2+3 ON 10-19 Pixel 1 ON 20-29 Pixel 2 ON 30-39 Pixel 3 ON 40-49 Pixels 1+2 ON 50-59 Pixels 1+3 ON 60-69 Pixels 2+3 ON 70-159 Pixels 1+2+3 ON 160-179 Chase from left to right, from slow to fast 180-199 Chase from right to left, from slow to fast 200-219 Chase from left to right to left, from slow to fast

#### Channel 34 – Zoom

220-239

240-255

0-255	Zoom adjustment, from small to big
Channel 35	– Zoom reset
0-200	Not functional
201-220	Zoom reset
221-255	Not functional

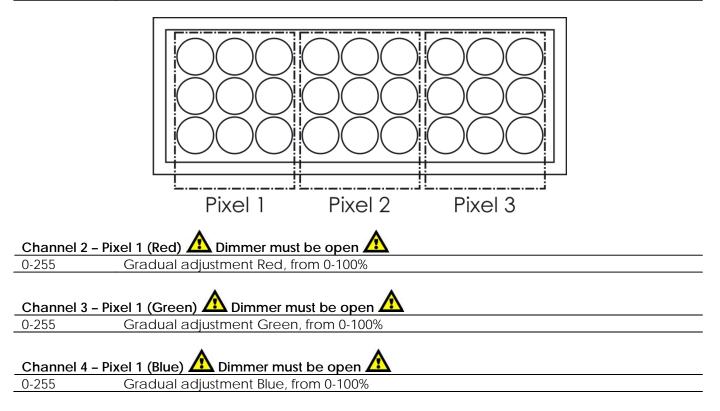
#### 13 channels (PIX1)

#### Channel 1 – Dimmer intensity

0-255 Gradual adjustment, from dark to brightest 0-100%

Random chase, from slow to fast

Pixels 1+2+3 ON



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.

0-5	Not functional
6-10	Moroccan pink (790)
11-15	Pink (157)
16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (345)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (071)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

Channel 6 – Pixel 2 (Red) 🗥 Dimmer must be open 🖍

0-255

Gradual adjustment Red, from 0-100%

Channel 7 – Pixel 2 (Green) 🛆 Dimmer must be open 🛕 Gradual adjustment Green, from 0-100% 0-255

Channel 8 – Pixel 2 (Blue) 🛆 Dimmer must be open 🛆 Gradual adjustment Blue, from 0-100% 0-255



.

0-5	Not functional
6-10	Moroccan pink (790)
11-15	Pink (157)
16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (345)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (071)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

# Channel 10 – Pixel 3 (Red) A Dimmer must be open

0-255

Gradual adjustment Red, from 0-100%

#### Channel 11 – Pixel 3 (Green) \Lambda Dimmer must be open 🖍 Gradual adjustment Green, from 0-100% 0-255

Channel 12 – Pixel 3 (Blue) 🛆 Dimmer must be open 🛕 Gradual adjustment Blue, from 0-100% 0-255

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0-5	- Macros (Pixel 3)  Dimmer must be open  Not functional
<u> </u>	Moroccan pink (790)
11-15	Pink (157)
16-20	Special rose pink (332)
21-25	Follies pink (328)
26-30	Fuchsia pink (326)
31-35	Surprise pink (194)
36-40	Congo blue (181)
41-45	Tokyo blue (101)
46-50	Deep blue (120)
51-55	Just blue (079)
56-60	Medium blue (132)
61-65	Double CT blue (200)
66-70	State blue (161)
71-75	Full CT blue (201)
76-80	Half CT blue (202)
81-85	Steel blue (117)
86-90	Lighter blue (353)
91-95	Light blue (118)
96-100	Medium blue green (116)
101-105	Dark green (124)
106-110	Primary green (139)
111-115	Moss green (089)
116-120	Fern green (122)
121-125	JAS green (738)
126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

#### 19 channels (PIX2)

#### Channel 1 – Dimmer intensity

<b>Channel 1</b> 0-255	Gradual adjustment, from dark to brightest 0-100%
	Pixel 1 Pixel 2 Pixel 3
Channel 2	- Pixel 1 (Red) 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Red, from 0-100%
<b></b> .	
Channel 3 0-255	- Pixel 1 (Green) 🕰 Dimmer must be open 🕰 Gradual adjustment Green, from 0-100%
0-200	
Channel 4	- Pixel 1 (Blue) 🛆 Dimmer must be open 🛕
0-255	Gradual adjustment Blue, from 0-100%
Channel 5	- Pixel 1 (White) 🛕 Dimmer must be open 🛕
Channel 5 0-255	- Pixel 1 (White) A Dimmer must be open A Gradual adjustment White, from 0-100%
0-255	Gradual adjustment White, from 0-100%
0-255 Channel 6	Gradual adjustment White, from 0-100%
0-255 Channel 6 0-5	Gradual adjustment White, from 0-100% - Macros (Pixel 1) Dimmer must be open A Not functional
0-255 Channel 6 0-5 6-10	Gradual adjustment White, from 0-100% - Macros (Pixel 1) Dimmer must be open A Not functional Moroccan pink (790)
0-255 <b>Channel 6</b> 0-5 6-10 11-15	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open A Not functional Moroccan pink (790) Pink (157)
0-255 Channel 6 0-5 6-10	Gradual adjustment White, from 0-100% - Macros (Pixel 1) Dimmer must be open A Not functional Moroccan pink (790)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open N Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45	Gradual adjustment White, from 0-100% - Macros (Pixel 1) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50	Gradual adjustment White, from 0-100% - Macros (Pixel 1) Dimmer must be open Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Noroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open N Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (322) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (322) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105	Gradual adjustment White, from 0-100%  Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110 111-115	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139) Moss green (089)
0-255 <b>Channel 6</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110	Gradual adjustment White, from 0-100%  - Macros (Pixel 1) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139)



126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K
	Pixel 2 (Red) 🗥 Dimmer must be open 🕰
0-255	Gradual adjustment Red, from 0-100%
Channel 8 -	Pixel 2 (Green) \Lambda Dimmer must be open \Lambda
0-255	Gradual adjustment Green, from 0-100%
Channel O	
0-255	• Pixel 2 (Blue) 🕰 Dimmer must be open 🕰 Gradual adjustment Blue, from 0-100%
0-200	
-	– Pixel 2 (White) 🛆 Dimmer must be open 🛆
Channel 10 0-255	– Pixel 2 (White) A Dimmer must be open A Gradual adjustment White, from 0-100%
0-255	Gradual adjustment White, from 0-100%
0-255	
0-255 Channel 11	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open A Not functional
0-255 Channel 11 0-5	Gradual adjustment White, from 0-100%
0-255 Channel 11 0-5 6-10	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open A Not functional Moroccan pink (790)
0-255 <b>Channel 11</b> 0-5 6-10 11-15	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open A Not functional Moroccan pink (790) Pink (157)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Noroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (181) Tokyo blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (322) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open N Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open N Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110 111-115	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139) Moss green (089)
0-255 <b>Channel 11</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110	Gradual adjustment White, from 0-100%  - Macros (Pixel 2) Dimmer must be open N Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139)

126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K
Channel 12 0-255	– Pixel 3 (Red) A Dimmer must be open A Gradual adjustment Red, from 0-100%
	– Pixel 3 (Green) 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Green, from 0-100%
Channel 14	– Pixel 3 (Blue) 🛕 Dimmer must be open 🛕
0-255	Gradual adjustment Blue, from 0-100%
	– Pixel 3 (White) 🕰 Dimmer must be open 🕰
0-255	Gradual adjustment White, from 0-100%
0-255	Gradual adjustment White, from 0-100%
0-255 Channel 16	Gradual adjustment White, from 0-100%
0-255 Channel 16 0-5	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional
0-255 Channel 16 0-5 6-10	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790)
0-255 <b>Channel 16</b> 0-5 6-10 11-15	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open A Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202)
0-255 <b>Channel 16</b> 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (322) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110 111-115	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (181) Tokyo blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139) Moss green (089)
0-255 Channel 16 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110	Gradual adjustment White, from 0-100%  - Macros (Pixel 3) Dimmer must be open  Not functional Moroccan pink (790) Pink (157) Special rose pink (332) Follies pink (328) Fuchsia pink (345) Surprise pink (194) Congo blue (181) Tokyo blue (071) Deep blue (120) Just blue (079) Medium blue (132) Double CT blue (200) State blue (161) Full CT blue (201) Half CT blue (202) Steel blue (117) Lighter blue (353) Light blue (118) Medium blue green (116) Dark green (124) Primary green (139)



126-130	Lime green (088)
131-135	Spring yellow (100)
136-140	Deep amber (104)
141-145	Chrome orange (179)
146-150	Orange (105)
151-155	Gold amber (021)
156-160	Millenium gold (778)
161-165	Deep golden amber (135)
166-170	Flame red (164)
171-185	White 1: 2700K
186-200	White 2: 3200K
201-215	White 3: 4000K
216-230	White 4: 5600K
231-245	White 5: 6000K
246-255	White 6: 6500K

# Channel 17 – Strobe 🛕 CH1-16 must be open 🛕

0-9	Not functional	
10-255	Strobe flash frequency, from OFF to high frequency	

#### Channel 18 – Zoom

0-255	Zoom adjustment, from small to big

### Channel 19 - Zoom reset

0-200	Not functional	
201-220	Zoom reset	
221-255	Not functional	

### **RDM Operations**

Term	Parameter ID	Discovery	SET	GET
leini	Faranieter ib	command	command	command
1	DIS_UNIQUE_BRANCH			
2	DIS_MUTE			
3	DISC_UN_MUTE			
4	DEVICE_INFO			
5	SUPPORTED_PARAMETERS			
6	SOFTWARE_VERSION_LABEL			
7	DMX_START_ADDRESS			
8	IDENTIFY_DEVICE			
9	DEVICE_MODEL_DESCRIPTION			
10	MANUFACTURER_LABEL			
11	DEVICE_LABEL			
12	SENSOR_DEFINITION			
13	SENSOR_VALUE			
14	DEVICE_RESET			
15	DMX_PERSONALITY			
16	DMX_PERSONALITY_DESCRIPTION			
17	status_messages			
18	STATUS_ID_DESCRIPTION			

### Maintenance

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test. The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- 01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
- 02) There may not be any deformations on housings, fixations and installation spots.
- 03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
- 04) The electric power supply cables must not show any damages or material fatigue.

The Spectral ZP-5 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

The front lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the lightoutput very quickly.

Please clean internal components once a year with a light brush and vacuum cleaner.

Keep connections clean. Disconnect electric power, and then wipe the DMX connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

### Troubleshooting

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

### No Light

If the light effect does not operate properly, refer servicing to a technician.

Suspect two potential problem areas as: the power supply and the LEDs.

- 01) Power supply. Check that the unit is plugged into an appropriate power supply.
- 02) The LEDs. Return the Spectral to your Showtec dealer.
- 03) If both of the above appear to be O.K., plug the unit in again.
- 04) If you are unable to determine the cause of the problem, do not open the Spectral, as this may damage the unit and the warranty will become void.
- 05) Return the device to your Showtec dealer.

#### No Response to DMX

Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

- 01) Check the DMX setting. Make sure that DMX addresses are correct.
- 02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
- 03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.



### Spectral ZP-5

Problem	Probable cause(s)	Solution
One or more fixtures do not	No power to the fixture	<ul> <li>Check if power is switched on and cables are plugged in</li> </ul>
function at all	Internal fuse blown	Return the device to your local     Showtec dealer.
Fixtures reset	The controller is not connected.	Connect controller.
correctly, but all respond erratically or not at all to the controller	3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed)	<ul> <li>Install a phase reversing cable between the controller and the first fixture on the link</li> </ul>
	Poor data quality	<ul> <li>Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link</li> </ul>
Fixtures reset	Bad data link connection	<ul> <li>Inspect connections and cables. Correct poor connections. Repair or replace damaged cables</li> </ul>
correctly, but some respond erratically or not	Data link not terminated with 120 Ohm termination plug	Insert termination plug in output jack of the last fixture on the link
at all to the	Incorrect addressing of the fixtures	Check address setting
controller	One of the fixtures is defective and disturbs data transmission on the link	<ul> <li>Bypass one fixture at a time until normal operation is restored: unplug both connectors and connect them directly together.</li> <li>Have the defective fixture serviced by a qualified technician</li> </ul>
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed)	<ul> <li>Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically</li> </ul>
No light or lamp	Fixture is too hot	<ul> <li>Allow the fixture to cool down</li> <li>Make sure air vents in control panel and the front lens are not blocked</li> <li>Turn up the air conditioning</li> </ul>
cuts out intermittently	LEDs damaged	Disconnect the fixture and return it to your dealer
	The power supply settings do not match local AC voltage and frequency	Disconnect fixture. Check settings     and correct if necessary



### **Product Specifications**

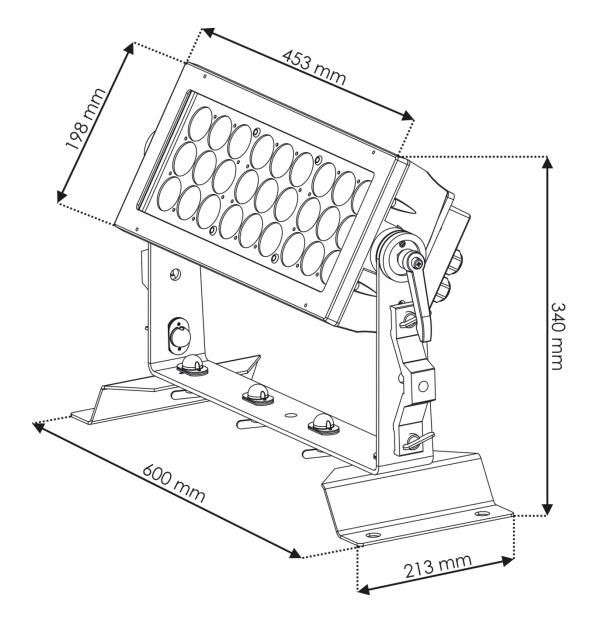
Model:	Showtec Spectral ZP-5	
Input voltage:	100-240V AC, 60/50Hz	
Power consumption:	295W (full output)	
DMX linking:	30pcs	
Dimensions:	600 x 213 x 340 mm (LxWxH)	
Weight:	13,4 kg	
Operating and Programming:		
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)	
DMX Mode:	4, 5, 6, 7, 8, 13, 14, 19, 35 channels	
Signal input:	3-pin XLR DMX IN	
Signal output:	3-pin XLR DMX OUT	
Electro-mechanical effects:		
Light source:	27 x 10W 4-in-1 RGBW Osram LEDs	
Light output:	4300 lumen	
Lux @ 2 m:	20307 lux	
Beam angle:	10-30°	
Dimmer:	0-100%	
Strobe:	0-20 Hz	
Housing:	Die-cast aluminum	
DMX-control:	via standard DMX/RDM controller	
Onboard:	4-digit LED display for easy setup	
Control:	Static Colors, Auto, Master/Slave, DMX-512	
Connections:	PowerCON True power connector IN/OUT, 3-pin XLR IN/OUT	
Cooling:	Convection	
IP rating:	IP65	
Max. ambient temperature $t_a$ :	40°C	
Max. housing temperature $t_B$ :	80°C	
Minimum distance:		
Minimum distance from flammable surfaces:	0,5 m	
Minimum distance to lighted object:	1 m	

Design and product specifications are subject to change without prior notice.

CE

Website: <u>www.Showtec.info</u> Email: <u>service@highlite.nl</u>

### Dimensions





Ordercode: 43539





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