Owner‘s Manual

LED Flood Panel 150

LED Panel controllable by DMX

STAIRVILLE

Contents

Safety notes

Read all safety notes and all instructions. Failure to follow the notes and instructions may result in electric shock, fire or serious injury.
Save this manual for future reference.

DANGER

Electric shock caused by high voltages inside!

Within the unit there are areas where high voltages may be present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only.
There are no user-serviceable parts inside.

DANGER

Electric shock caused by short circuit!

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

WARNING

Eye damage caused by high intensity!

Never look directly into the light source.

WARNING

Risk of epileptic shock!

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.

Power supply

Notice

Malfunction or damage to equipment!

- Ensure that the input voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user.
- Unplug the unit before electrical storms occur and when unused for long periods of time.

Operating conditions

Always install and use the device in accordance with these instructions.

Notice

Malfunction or damage to equipment!

- This device has been designed for indoor use only. Do not expose the device to any liquid or moisture.
- Do not install the unit near any direct heat source. Keep the unit away from naked flames.
- Do not block areas of ventilation. Failure to do so could result in fire.

Installation

You can install the device on the wall, the ceiling or on the ground.

WARNING

Injuries caused by falling parts!

Make sure that the installation complies with the standards and rules that apply in your country.
Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

Setup

The required connections depend on the operation mode of the device.

Notice

Malfunction or damage to equipment!

- For failure-free operation of the DMX chain use dedicated DMX cables. Never use ordinary microphone cables.
- Never connect the DMX output to audio devices such as mixers or amplifiers. The voltages used on the DMX lines may severely damage the audio input circuits.

Connections in DMX mode

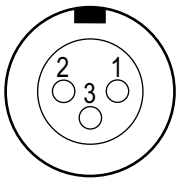
Connect the DMX input of the device to the DMX output socket of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a 120-Ω resistor. When the device is configured for DMX mode, but no DMX signal is being received, the DMX indicator flashes. If no DMX cable is connected, the DMX indicator is constantly on.

Connections in Master/Slave mode

Connect the DMX output of the master device to the DMX input of the first slave device. Leave the DMX input of the master device open. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

DMX sockets

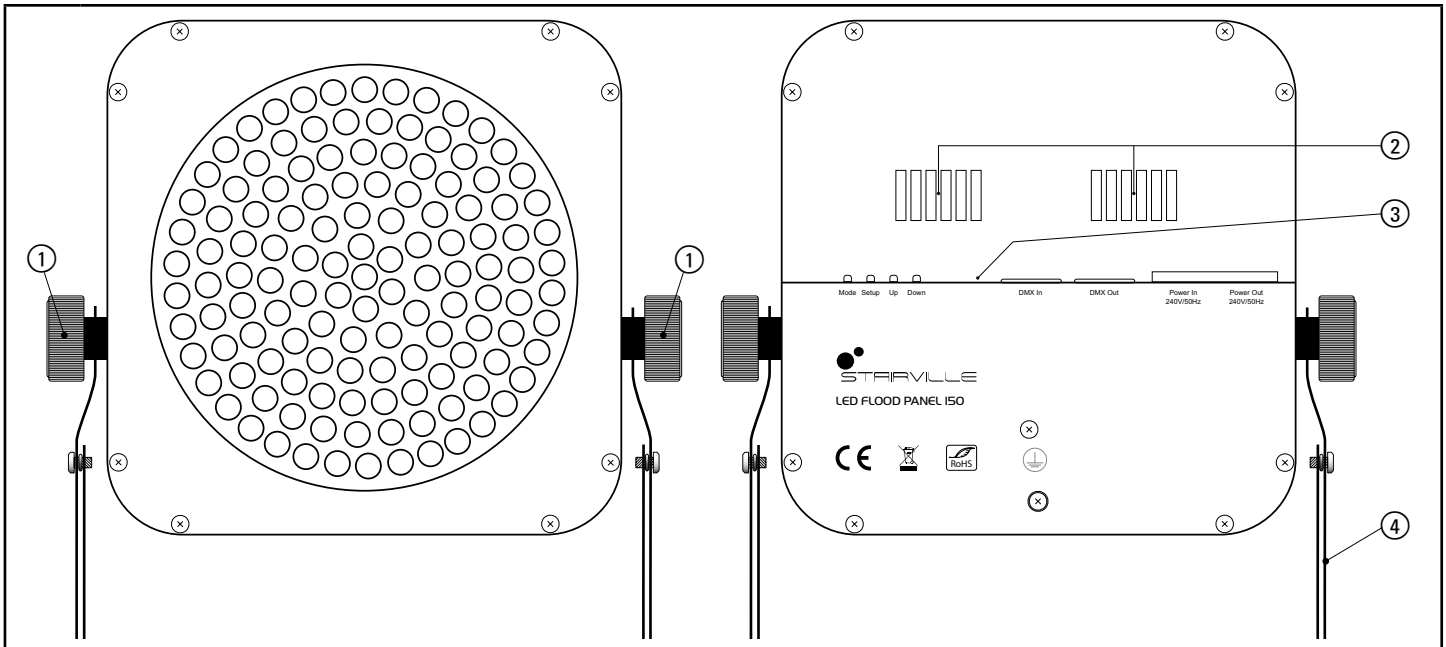
A female 3-pin XLR connector is used for the DMX output, a male 3-pin XLR connector for the DMX input. The figure below and the following table show the pin assignment.



1	Ground
2	DMX data (–)
3	DMX data (+)

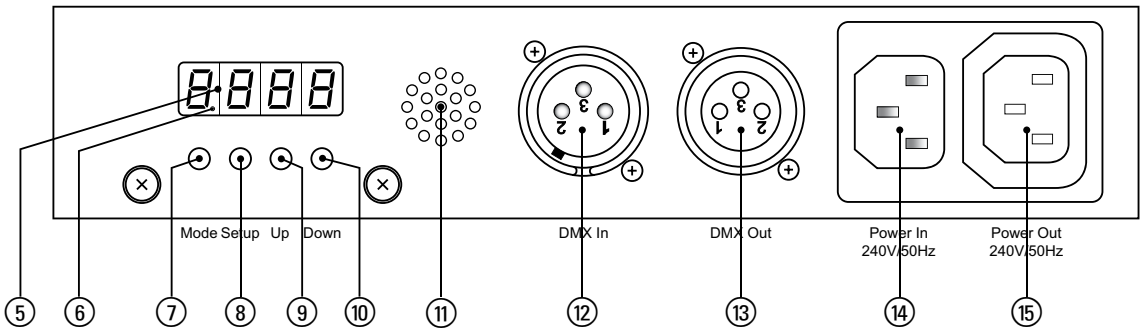
Components and functions

Front and rear side



①	Bracket adjustment knobs
②	Ventilation areas
③	Operation panel and connectors
④	Hanging bracket/floor stand

Operation panel and connectors



⑤	Display
⑥	DMX Indicator: Flashes if the device is configured to the DMX mode but no DMX signal is being received. If no DMX cable is connected, the DMX indicator is constantly on.
⑦	Mode: Activates the main menu where you can select between the following modes: “Built-in programs”, “Auto run”, “DMX”, “Master/Slave” and “Sound”
⑧	Setup: Chooses between the options of the selected mode
⑨	Up: Increases the value displayed
⑩	Down: Decreases the value displayed
⑪	Microphone used for the sound mode
⑫	DMX In
⑬	DMX Out
⑭	Power In: Plug for mains cable, the input voltage range is printed below
⑮	Power Out: Socket for a cable to supply another device with mains power

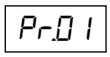
Operation

To operate the device, connect it to the mains. The display indicates a system reset. After a few seconds, the device is operational.

Main menu

Press “Mode” to activate the main menu and to select one of the operation modes.
If you do not press any button for 20 seconds, the menu will be deactivated again. If you press any button, it re-opens in the previous state. All settings that were made previously are kept, even if you disconnect the device from the power supply.

Built-in programs mode



Press “Mode” until the display shows “Pr.*xx*”. You can now select one of ten different built-in programs. Press “Setup”, then “Up” or “Down” to select one of the programs “Pr.01” to “Pr.10” described in the table below.

Program	Description
Pr.01	Static colour
Pr.02	7-colour fading
Pr.03	3-colour fading
Pr.04	7-colour jumping change
Pr.05	3-colour jumping change
Pr.06	Colour dreaming 1
Pr.07	Colour dreaming 2
Pr.08	Red fading
Pr.09	Green fading
Pr.10	Blue fading

Settings for program 01

The first selection specifies the static colour. Here, the following values are possible:

Value	Meaning
1.--r	Red
2.-rg	Red + Green
3.--g	Green
4.-gb	Green + Blue
5.--b	Blue
6.-rb	Red + Blue
7.rgb	Red + Green + Blue

Press “Setup” again. You can now enter the desired intensity of the static colour with the “Up” and “Down” buttons. If the static colour is a mix of RGB colours, you can adjust the intensity of each component separately.
Press “Setup” again. You can now enter the desired flash value for the static colour using the “Up” and “Down” buttons. Select a value between “FS00” and “FS99”.

Settings for programs 02...10

Press “Setup”. You can now set the value for the change speed. Select a value between “SP.01” (slow) and “SP.99” (fast) or “SP.FL” (flashing) using the “Up” and “Down” buttons.
Press “Setup” again. You can now set the desired flash value using the “Up” and “Down” buttons. Select a value between “FS00” and “FS99”.

Auto show mode

AUTO Press “Mode” until the display shows “Auto”. In this mode, the device runs the built-in programs one after another in a continuous loop.
Press “Setup”. You can now set the value for the speed. Select a value between “SP.01” (slow) and “SP.99” (fast) or “SP.FL” (flashing) using the “Up” and “Down” buttons.
Press “Setup” again. You can now enter the desired flash value using the “Up” and “Down” buttons. Select a value between “FS00” and “FS99”.
Press “Setup” again. You can now enter the desired fading value using the “Up” and “Down” buttons. Select a value between “Fd00” and “Fd99”.

Master/Slave mode

SLAv Press “Mode” until the display shows “SLAv”. The master and the slave devices will operate synchronously.

Sound mode

SU25 Press “Mode” until the display shows “SU.*xx*”. Press “Setup”. You can now set the value for the sound sensitivity using the “Up” and “Down” buttons. Select a value between “SU.00” and “SU.31”

DMX mode

d001 Press “Mode” until the display shows “d.*xxx*”. Set the number of the first DMX channel of the device using the “Up” and “Down” buttons. Select a value between “d.001” and “d.512”. Ensure that this channel number fits to the configuration of your DMX controller. The following table shows the highest usable channel number for the different modes.

Mode	Highest usable DMX address
3-ch	510
4-ch	509
8-ch	505

Press “Setup” again. Using the “Up” and “Down” buttons, you can now select one of the three possible DMX configurations: “3-ch”, “4-ch”, “8-ch”.

Functions in 3-channel DMX mode

Channel	Value	Function
1	0…255	Intensity of red (0 to 100 %)
2	0…255	Intensity of green (0 to 100 %)
3	0…255	Intensity of blue (0 to 100 %)

Functions in 4-channel DMX mode

Channel	Value	Function
1	0…255	Master dimmer (0 to 100 %)
2	0…255	Intensity of red (0 to 100 %)
3	0…255	Intensity of green (0 to 100 %)
4	0…255	Intensity of blue (0 to 100 %)

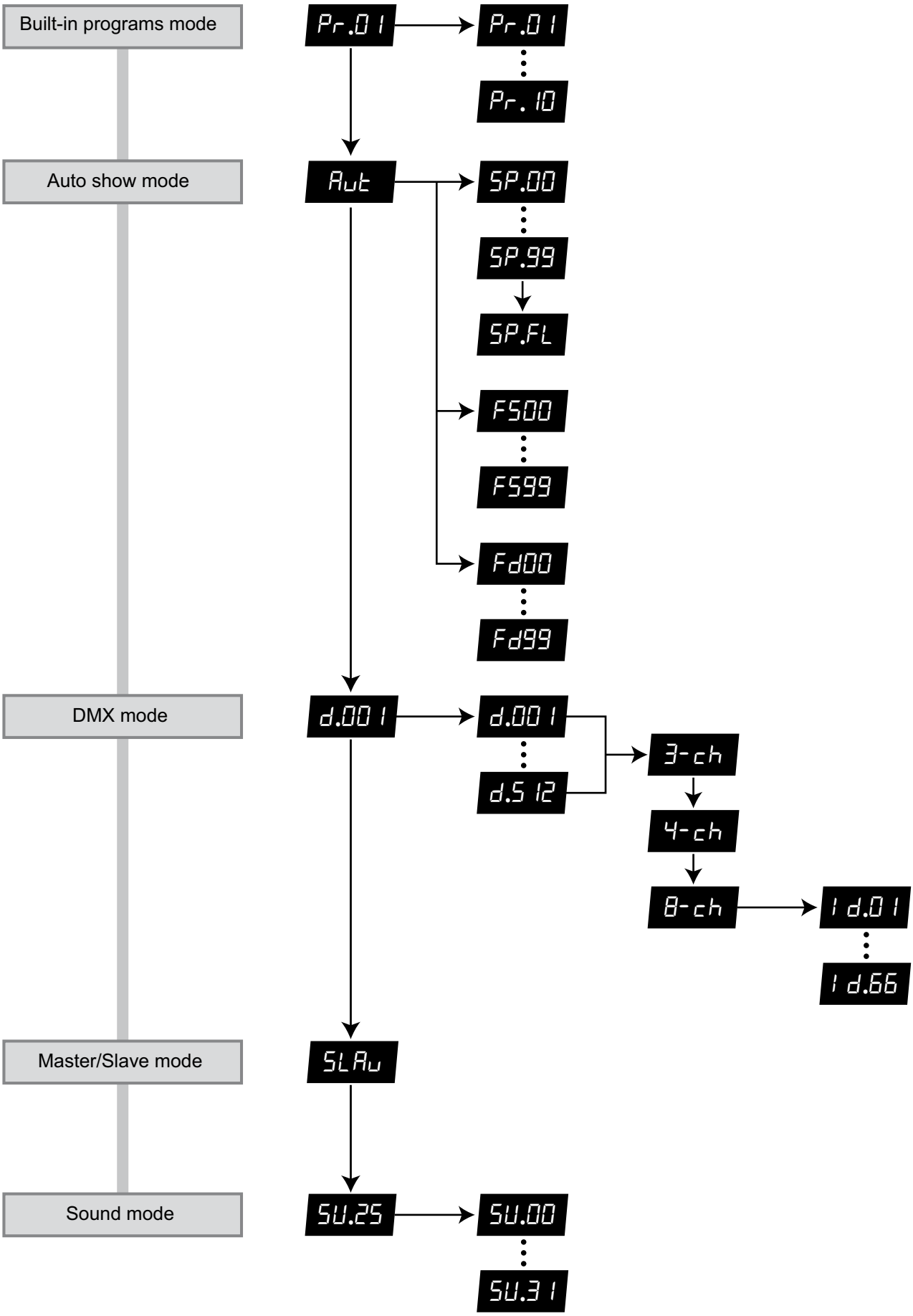
Functions in 8-channel DMX mode

If you configure the device for the 8-channel DMX mode, press “Setup” again. You can now select the ID value from “Id.01” to “Id.66” using the “Up” and “Down” buttons. You can set up groups of devices that share the same first DMX channel. If you make use of this feature, use channel 7 to control one or more devices within such a group directly.

Channel	Value	Function	
1	0…255	Master dimmer (0 to 100 %)	
2	Function depends on the value set for channel 6		
	Channel 6: 0	Intensity of red (0 to 100 %)	
	Channel 6: 1…24	Static colour dimming, values are specified with channel 2 as follows:	
		0…8	Red: 255
		9…17	Red: 255, Green: 50
		18…26	Red: 255, Green: 150
		27…35	Red: 255, Green: 255
		36…44	Red: 200, Green: 255
		45…53	Red: 100, Green: 255
		54…62	Red: 40, Green: 255
		63…71	Green: 255
		72…80	Green: 255, Blue: 50
		81…89	Green: 255, Blue: 150
		90…98	Green: 255, Blue: 255
		99…107	Green: 150, Blue: 255
		108…116	Green: 50, Blue: 255
		117…125	Blue: 255
		126…134	Red: 50, Blue: 255
		135…143	Red: 150, Blue: 255
		144…152	Red: 255, Blue: 255
		153…161	Red: 220, Blue: 255
		162…170	Red: 150, Green: 50, Blue: 100
		171…179	Red: 50, Green: 180, Blue: 220
		180…188	Red: 50, Green: 220, Blue: 100
		189…197	Red: 150, Green: 220
		198…206	Red: 150, Blue: 220
		207…215	Green: 180, Blue: 220
		216…224	Green: 220, Blue: 50
		225…233	Red: 220, Green: 100, Blue: 50
		234…242	Red: 220, Green: 200, Blue: 100
		243…251	Red: 255, Green: 200, Blue: 150
		252…255	Red: 255, Green: 255, Blue: 255
	Channel 6: 25…249	Speed setting for the programs selected with channel 6	
		0…255	Slow (0) to fast (255)
	Channel 6: 250…255	Sound sensitivity setting for the sound mode selected with channel 6	
		0…255	Low (0) to high (255) sensitivity
3	Channel 6: 0	0…255	Intensity of green (0 to 100 %)
	Channel 6: 1…255	No function	
4	Channel 6: 0	0…255	Intensity of blue (0 to 100 %)
	Channel 6: 1…255	No function	
5	0…9	No function	
	10…255	Strobe (slow to fast)	

Channel	Value	Function
6	0	Static RGB mix as defined with channels 2, 3 and 4
	1…24	Static colour, as defined with channel 2
	25…49	Sets Pr02 (7-colour fading)
	50…74	Sets Pr03 (3-colour fading)
	75…99	Sets Pr04 (7-colour jumping change)
	100…124	Sets Pr05 (3-colour jumping change)
	125…149	Sets Pr06 (fantasy change 1)
	150…174	Sets Pr07 (fantasy change 2)
	175…199	Sets Pr08 (red fading)
	200…224	Sets Pr09 (green fading)
	225…249	Sets Pr10 (blue fading)
	250…255	Sets the sound active mode
7	If two or more devices share the same first DMX channel, the value of channel 7 selects one or more devices within such a group.	
	0…9	All IDs (ID1…ID66)
	10…19	ID1
	20…29	ID2
	30…39	ID3
	40…49	ID4
	50…59	ID5
	60…69	ID6
	70…79	ID7
	80…89	ID8
	90…99	ID9
	100…109	ID10
	110…119	ID11
	120…129	ID12
	130…139	ID13
	140…149	ID14
	150…159	ID15
	160…169	ID16
	170…179	ID17
	180…189	ID18
	190…199	ID19
	200…209	ID20
	210	ID21
	211	ID22
	212	ID23
	⋮	⋮
	254	ID65
	255	ID66
8	0…250	Instant fader response for channel 1, 2, 3, 4
	251…255	Delayed fader response for channel 1, 2, 3, 4

Menu diagram



Troubleshooting

A few common problems that may occur during operation are shown in the following. Here are some suggestions for easy troubleshooting:

The device does not work at all

1. Check the power connection and main fuse.

No response to the DMX controller

1. If the device is configured to the DMX mode, but no DMX signal is being received, the DMX indicator flashes. If no DMX cable is connected, the DMX indicator is constantly on. Check the DMX connectors and cables to see if they are properly linked. Try out other DMX cables if necessary.
2. If the DMX indicator is off and there is no response, check the address settings and DMX polarity.
3. Try out another DMX controller.
4. Check if the DMX cables run near or alongside high-voltage cables that may cause damage or interference to DMX interface circuit.
5. Always ensure that the output of the last DMX device in the daisy chain is terminated with a 120-Ω resistor.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at www.thomann.de.

Cleaning

Clean the optical lenses which are accessible from the outside periodically to optimise light output. The cleaning frequency depends on the environment in which the device operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid.

- Always dry the parts carefully.
- Clean the external optics at least every 20 days.

Technical data

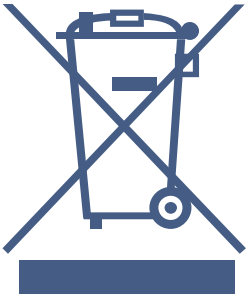
	LED Flood Panel 150 20°	LED Flood Panel 150 40°
Item no.	253358	253359
Beam angle	20°	40°
Number of DMX channels	3, 4 or 8	
LEDs	48 red, 51 green and 51 blue LEDs, 10 mm diameter	
Input voltage	110 VAC … 240 VAC, 50/60 Hz	
Power consumption	20 W	
Dimensions (W × D × H)	200 mm × 68 mm × 210 mm (10.2 in. × 2.7 in. × 8.3 in.)	
Weight	1.8 kg (4.0 lbs)	

Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.
Ensure that plastic bags, packaging, etc. are properly disposed and are not in the reach of babies and young children. Choking hazard! Do not just dispose these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

Disposal of your old device



Electrical and electronic equipment often contain materials which can be unhealthy and environmentally harmful, if not properly treated and disposed of. However, they are essential for the proper operation of your device. At the end of its operating lifetime, do not dispose the device with your normal household waste.
This device is subject to the European directive 2002/96/EC.
Dispose this device through an approved waste disposal firm or through your local waste facility. When discarding the unit, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.