DMX REFERENCE

# LTP350

Taurus Light



| | |
|---|---|
| **Manufacturer** | Taurus Light |
| **GDTF file** | Taurus_Light_LTP350_146689.gdtf |
| **GDTF revision** | V001 · 2026-06-12 |
| **Generated** | 2026-11-24 |

# Contents

**1 About this manual** 2
**2 Quick reference** 3
**3 Safety instructions** 4
**4 Installation** 5
**5 Connections** 5
**6 Operation** 6
**7 Functions at a glance** 6
**8 DMX channels** 9
Mode Extended 21CH 10
Mode Standard 14CH 16
Mode CMY Extended 15CH 17
Mode CMY Standard 10CH 18
Mode RGB Extended 15CH 19
Mode RGB Standard 10CH 20
Mode Dimmer/CCT/Color Picker 7CH 20
Mode RawColor 6CH 21
Mode IRGB 4CH 21
Mode Dimmer/ Strobe/CCT 3CH 22
Mode Dimmer/CCT 2CH 22
Mode Dimmer 1CH 22
**9 Technical specifications** 23
**10 Maintenance and cleaning** 24
**11 Troubleshooting** 24
**12 Disposal** 24

# 1 About this manual

This document describes the LTP350 by Taurus Light. It was compiled from the GDTF file Taurus_Light_LTP350_146689.gdtf from the GDTF-Share library.

File revision: “V001”.

The DMX modes, the channel functions and the technical data are given as the GDTF file states them. Installation, operation from the device's control panel, service and safety instructions are described in the manufacturer's original user manual, which takes precedence over this document.

This document was not issued or endorsed by Taurus Light; product names and trademarks belong to their owners.

Safety notices are marked with signal words according to the severity of the hazard: DANGER – an imminent hazard that will result in death or serious injury; WARNING – a potential hazard that could result in death or serious injury; CAUTION – a potential hazard that could result in minor injury or property damage; NOTE – additional information for correct and safe use.

> **NOTE** This product is designed for stage and effect lighting. It is not suitable for household room illumination.

# 2 Quick reference

| Parameter | Value |
|---|---|
| Power consumption | 292 W |
| Weight | 4.3 kg |

### DMX modes

| Mode | Channels | Units in one universe | First start addresses |
|---|---|---|---|
| Extended 21CH | 21 | 24 | 1, 22, 43, 64, ... |
| Standard 14CH | 14 | 36 | 1, 15, 29, 43, ... |
| CMY Extended 15CH | 15 | 34 | 1, 16, 31, 46, ... |
| CMY Standard 10CH | 10 | 51 | 1, 11, 21, 31, ... |
| RGB Extended 15CH | 15 | 34 | 1, 16, 31, 46, ... |
| RGB Standard 10CH | 10 | 51 | 1, 11, 21, 31, ... |
| Dimmer/CCT/Color Picker 7CH | 7 | 73 | 1, 8, 15, 22, ... |
| RawColor 6CH | 6 | 85 | 1, 7, 13, 19, ... |
| IRGB 4CH | 4 | 128 | 1, 5, 9, 13, ... |
| Dimmer/ Strobe/CCT 3CH | 3 | 170 | 1, 4, 7, 10, ... |
| Dimmer/CCT 2CH | 2 | 256 | 1, 3, 5, 7, ... |
| Dimmer 1CH | 1 | 512 | 1, 2, 3, 4, ... |


Read the manual before use


Risk of electric shock


Do not stare into the light


Indoor use only

# 3 Safety instructions


Read the manual before use


Risk of electric shock


Do not stare into the light


Indoor use only

**⚠ WARNING**

- This device is intended for professional use. Installation, connection, setup and maintenance must be carried out only by suitably qualified persons who have read this manual.
- Use the device only for its intended purpose and as described in this manual.
- Do not open the housing and do not modify or tamper with the device. Refer all repairs to an authorized service center.
- Do not use the device if its housing, power or data cable, or a connector is damaged, if the device has been dropped, or if liquid or a foreign object has entered it. In such a case, have it checked by a service center.
- Disconnect the device from the power supply before cleaning, maintenance or any work on the connections.
- After moving the device from a cold to a warm environment, let it reach room temperature before switching it on to prevent condensation inside.
- The device is not a toy; keep it out of the reach of children.

**⚠ WARNING**

- Connect the device only to a properly installed mains outlet with a protective earth (ground) contact. The outlet or other means of disconnection must remain easily accessible.
- Power supply: 90–240 V, 50/60 Hz. Before connecting, make sure that the mains voltage matches this value and the value on the rating plate of the device.
- Do not connect the device to a dimmer or to a dimmed circuit.
- Use only the original power cable or a cable with identical ratings. Protect the cable from damage, do not run it over sharp edges, and never unplug it by pulling on the cable.
- When connecting several devices to one circuit, do not exceed its permitted load.
- Do not touch the device with wet hands.

**⚠ WARNING**

- This device is designed for indoor use only. Protect it from rain, splashing water, moisture and dust, and do not place containers with liquids on it.
- Do not operate the device in high humidity, near water, or where condensation can form on it.

**⚠ CAUTION**

- This device emits intense light. Do not look directly into the light source or the beam at close range; doing so may damage your eyes.
- Do not aim the beam at the eyes of people or animals at close range, and do not view the light source through optical instruments (binoculars, camera lenses).
- Do not aim the beam at flammable or heat-sensitive materials at close range.

⚠ **CAUTION**

- Strobe and fast flashing light effects can trigger epileptic seizures in susceptible people (photosensitive epilepsy) and can cause nausea or disorientation.
- Inform the audience and performers in advance that strobe effects will be used, for example with a notice at the entrance, and do not use them longer than necessary.

# 4 Installation

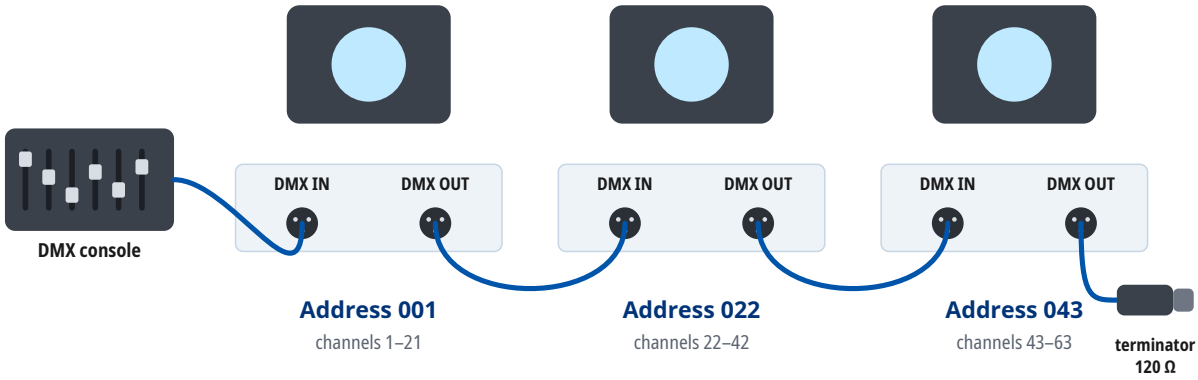
⚠ **WARNING**

- Rigging must be carried out only by qualified persons in accordance with applicable regulations, in particular those for work at height.
- The supporting structure and fixings must safely carry the weight of all suspended devices; verify their load capacity in advance.
- Weight of the device: 4.3 kg.
- Use suitable mounting hardware (for example truss clamps) and tighten all screw connections properly.
- Always secure the suspended device against falling with a safety cable of adequate load capacity, routed through a fixed point of the device and around the supporting structure.
- During installation and removal, keep people out of the area below the work position.
- Regularly inspect the fixings and the safety cable for damage, corrosion and loosening.

# 5 Connections

- Use shielded cable designed for DMX512 with an impedance of 110 Ω. Ordinary microphone cable is not suitable for DMX, especially over longer distances.
- Connect the devices in a daisy chain: connect the DMX OUT of one device to the DMX IN of the next. Do not split the line with Y-cables or wire it in a star; the line may be split only with a DMX splitter.
- Connect the shield to pin 1 only. Do not connect the shield (ground) to the metal shell of the connector; this can cause short circuits or erratic behavior.
- XLR pin assignment: pin 1 – shield (ground), pin 2 – Data- (Data Complement), pin 3 – Data+ (Data True). On 5-pin connectors, pins 4 and 5 are not connected; a 5-pin connector can be connected to a 3-pin one with a cable adapter.
- Terminate the end of the line (for impedance matching): plug an XLR connector with a 120 Ω, ¼ W resistor between pins 2 and 3 into the DMX OUT of the last device. This reduces the risk of erratic behavior.
- Connect no more than 32 devices to one DMX line. For more devices or longer runs, use a DMX splitter or booster.

### DMX line




Mode Extended 21CH: every unit occupies 21 channels from its address. At most 32 units on one line; for more units or longer runs use a DMX splitter. A 120 Ω terminator closes the last DMX OUT.

# 6 Operation

### Setting the DMX address

- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in the DMX mode “Extended 21CH”: 21.
- Choose start addresses so that the channels of individual devices do not overlap and the last occupied channel does not exceed 512. Devices with the same start address and mode respond identically.
- For several devices in a row in the DMX mode “Extended 21CH”, you can use, for example, the start addresses 1, 22, 43, 64.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.
- The device supports RDM (Remote Device Management), two-way communication with the controller over the DMX line.

# 7 Functions at a glance

### Functions in each DMX mode

| | Extended 21CH<br>21 channels | Standard 14CH<br>14 channels | CMY Extended 15CH<br>15 channels | CMY Standard 10CH<br>10 channels | RGB Extended 15CH<br>15 channels | RGB Standard 10CH<br>10 channels | Dimmer/ CCT/Color Picker 7CH<br>7 channels | RawColor 6CH<br>6 channels |
|---|---|---|---|---|---|---|---|---|
| Pan / Tilt | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dimmer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ✓ |
| Shutter / strobe | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| Color mixing | 6× (4–14) | 4–9 | 4, 6, 8 | 4–6 | 4, 6, 8 | 4–6 | | 1–6 |
| Color temperature | 16 | 10 | 10 | 7 | 10 | 7 | 4 | |
| Color wheel | 19 | 12 | 13 | 9 | 13 | 9 | 6 | |

## Color wheel

1 Pale yellow **DMX 1**

2 Straw **DMX 2**

3 Gold tint **DMX 3**

4 Spring yellow **DMX 4**

5 Medium yellow **DMX 5**

6 Yellow **DMX 6**

7 Deep amber **DMX 7**

8 Deep straw **DMX 8**

9 Loving amber **DMX 9**

10 Gold amber **DMX 10**

11 Orange **DMX 11**

12 Deep orange **DMX 12**

13 Dark amber **DMX 13**

14 Millenium gold **DMX 14**

15 Deep golden amber **DMX 15**

16 Scarlet **DMX 16**

17 Primary red **DMX 17**

18 Bright red **DMX 18**

19 Medium red **DMX 19**

20 Fire **DMX 20**

21 Pink **DMX 21**

22 Medium pink **DMX 22**

23 Dark pink **DMX 23**

24 Bright pink **DMX 24**

25 Bright rose **DMX 25**

26 Special rose pink **DMX 26**

27 Vanity fair **DMX 27**

28 Magenta **DMX 28**

29 Dark magenta **DMX 29**

30 Rose purple **DMX 30**

31 Mauve **DMX 31**

32 Medium purple **DMX 32**

33 Lavender **DMX 33**

34 Palace blue **DMX 34**

35 Dark blue **DMX 35**

36 Medium blue **DMX 36**

37 Deep blue **DMX 37**

38 Daylight blue **DMX 38**

39 Slate blue **DMX 39**

40 Light blue **DMX 40**

41 Sky blue **DMX 41**

42 Pale navy blue **DMX 42**

43 Marine blue **DMX 43**

44 Peacock blue **DMX 44**

45 Lagoon blue **DMX 45**

46 medium blue green

47 Dark yellow green **DMX 47**

48 Primary green **DMX 48**

49 Fern green **DMX 49**

50 Moss green **DMX 50**

51 Dark green **DMX 51**

52 Lime green **DMX 52**

53 Pale green **DMX 53**

54 Quarter CT Blue **DMX 54**

55 Half CT Blue **DMX 55**

56 FULL CT Blue **DMX 56**

57 Double CT Blue **DMX 57**

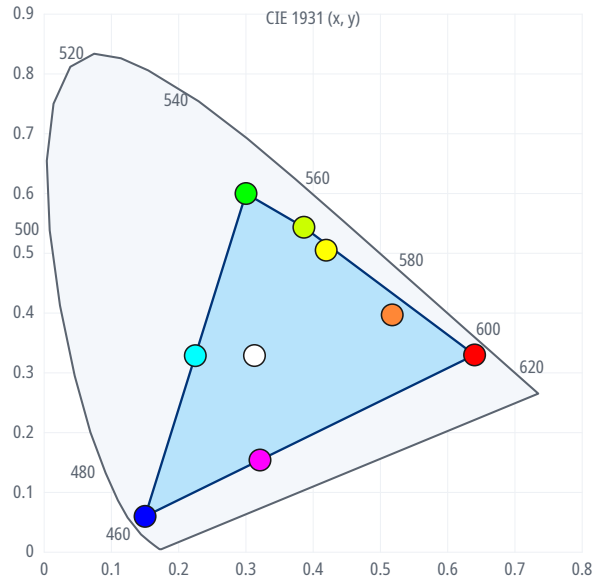
58 Quarter CT Orange **DMX 58**

59 Half CT Orange **DMX 59**

60 FULL CT Orange **DMX 60**

61 Color: Open **DMX 0**

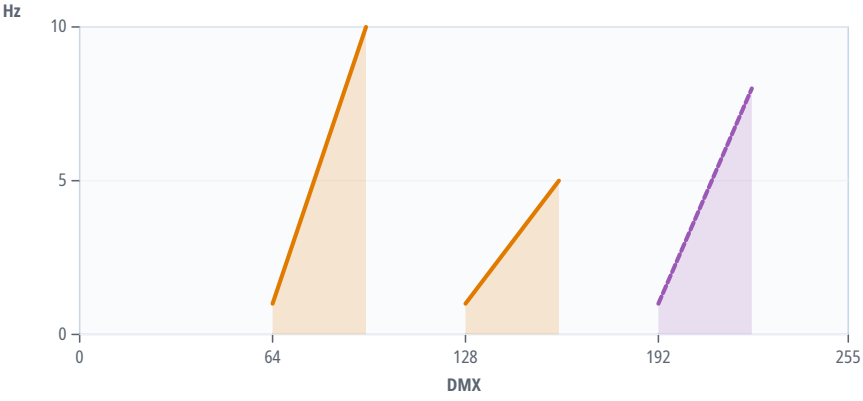
## LED colors and the colors they mix




| LED | x | y |
|---|---|---|
| Red | 0.640 | 0.330 |
| Green | 0.300 | 0.600 |
| Blue | 0.150 | 0.060 |
| White | 0.313 | 0.329 |
| Amber | 0.517 | 0.397 |
| Lime | 0.386 | 0.544 |
| Cyan | 0.225 | 0.329 |
| Magenta | 0.321 | 0.154 |
| Yellow | 0.419 | 0.505 |

The shaded area holds the colors the LEDs can mix; the dots are the LED colors the GDTF file states.

## Strobe rate




**CH 3 · Extended 21CH**

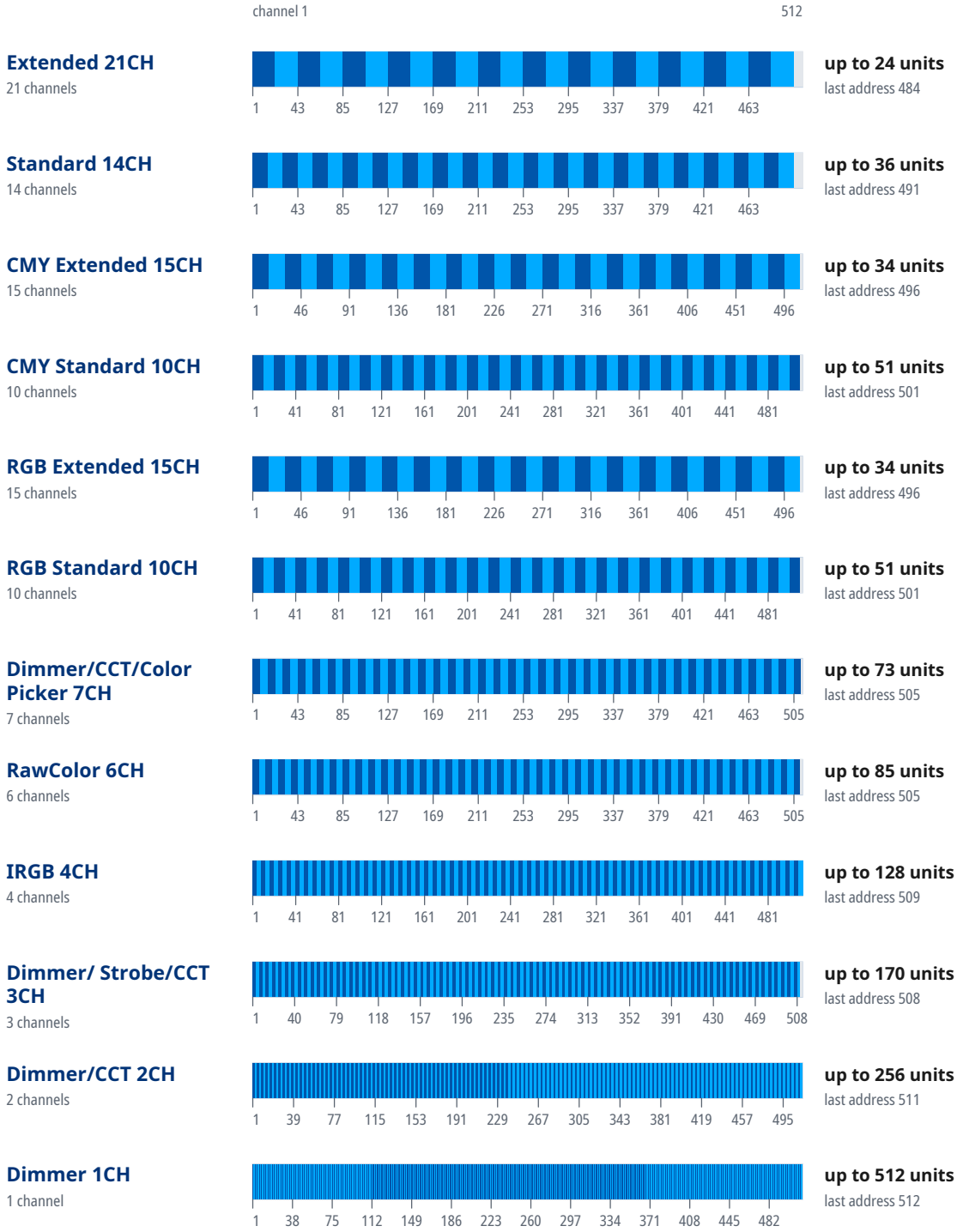
64–95: 1–10 Hz
Strobe

128–159: 1–5 Hz
Pulse

192–223: 1–8 Hz
Random

# 8 DMX channels

## Units in one DMX universe



### Start addresses of 20 units in the mode “Extended 21CH”

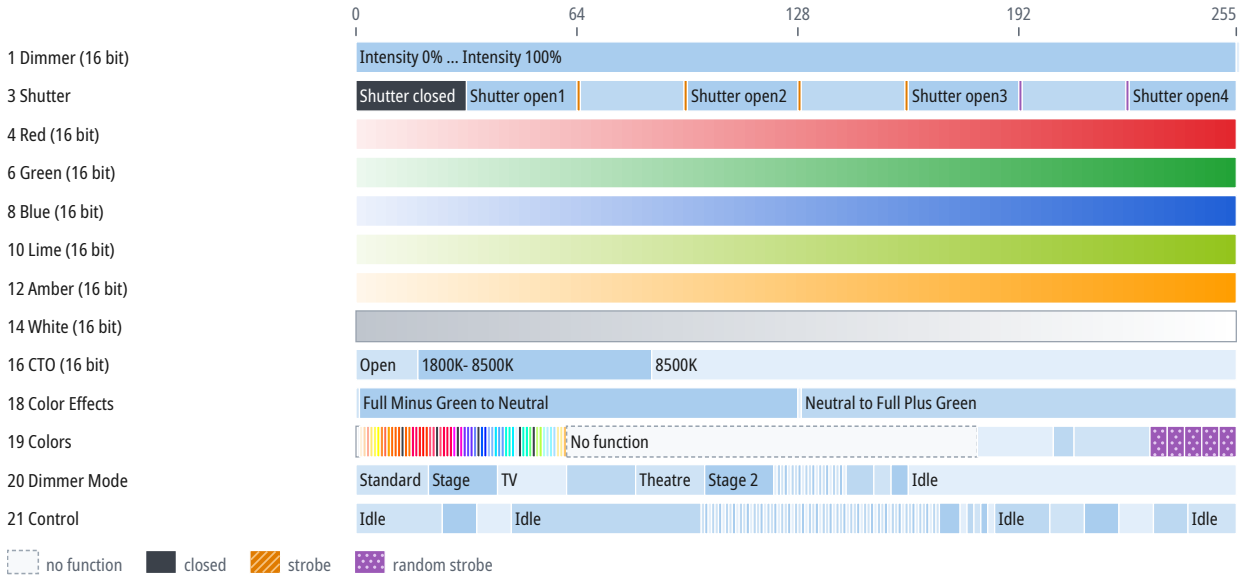
| Unit | Start address | Unit | Start address | Unit | Start address | Unit | Start address |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 6 | 106 | 11 | 211 | 16 | 316 |
| 2 | 22 | 7 | 127 | 12 | 232 | 17 | 337 |
| 3 | 43 | 8 | 148 | 13 | 253 | 18 | 358 |
| 4 | 64 | 9 | 169 | 14 | 274 | 19 | 379 |
| 5 | 85 | 10 | 190 | 15 | 295 | 20 | 400 |

## Mode Extended 21CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 Red 255, CH 6 Green 255, CH 8 Blue 255, CH 10 Lime 255, CH 12 Amber 255, CH 14 White 255, CH 16 CTO 0.

### Channel functions at a glance




| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | 0–255 | Intensity 0% ... Intensity 100% |
| | | 255 | Intensity 100% |
| **2** | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| **3** | Shutter | 0–31 | Shutter closed |
| | | 32–63 | Shutter open1 |
| | | 64 | Min Strobe |
| | | 65–94 | Min Strobe ... Max Strobe |
| | | 95 | Max Strobe |
| | | 96–127 | Shutter open2 |
| | | 128 | Min Pulse |
| | | 129–158 | Min Pulse ... Max Pulse |
| | | 159 | Max Pulse |

| CH | Function | DMX | Description |
|---|---|---|---|
| **3** | Shutter (continued) | 160–191 | Shutter open3 |
| | | 192 | Min Random |
| | | 193–222 | Min Random ... Max Random |
| | | 223 | Max Random |
| | | 224–255 | Shutter open4 |
| **4** | Red | 0–255 | |
| **5** | Red Fine | 0–255 | Fine adjustment of CH 4 |
| **6** | Green | 0–255 | |
| **7** | Green Fine | 0–255 | Fine adjustment of CH 6 |
| **8** | Blue | 0–255 | |
| **9** | Blue Fine | 0–255 | Fine adjustment of CH 8 |
| **10** | Lime | 0–255 | |
| **11** | Lime Fine | 0–255 | Fine adjustment of CH 10 |
| **12** | Amber | 0–255 | |
| **13** | Amber Fine | 0–255 | Fine adjustment of CH 12 |
| **14** | White | 0–255 | |
| **15** | White Fine | 0–255 | Fine adjustment of CH 14 |
| **16** | CTO | 0–17 | Open |
| | | 18–85 | 1800K- 8500K (1800–8500 K) |
| | | 86–255 | 8500K |
| **17** | CTO Fine | 0–255 | Fine adjustment of CH 16 |
| **18** | Color Effects | | Green Shift |
| | | 0 | Idle |
| | | 1–127 | Full Minus Green to Neutral |
| | | 128 | Neutral White |
| | | 129–255 | Neutral to Full Plus Green |
| **19** | Colors | 0 | Color: Open |
| | | 1 | Pale yellow |
| | | 2 | Straw |
| | | 3 | Gold tint |
| | | 4 | Spring yellow |
| | | 5 | Medium yellow |
| | | 6 | Yellow |
| | | 7 | Deep amber |
| | | 8 | Deep straw |
| | | 9 | Loving amber |
| | | 10 | Gold amber |
| | | 11 | Orange |
| | | 12 | Deep orange |
| | | 13 | Dark amber |
| | | 14 | Millenium gold |

| CH | Function | DMX | Description |
|---|---|---|---|
| **19** | Colors (continued) | 15 | Deep golden amber |
| | | 16 | Scarlet |
| | | 17 | Primary red |
| | | 18 | Bright red |
| | | 19 | Medium red |
| | | 20 | Fire |
| | | 21 | Pink |
| | | 22 | Medium pink |
| | | 23 | Dark pink |
| | | 24 | Bright pink |
| | | 25 | Bright rose |
| | | 26 | Special rose pink |
| | | 27 | Vanity fair |
| | | 28 | Magenta |
| | | 29 | Dark magenta |
| | | 30 | Rose purple |
| | | 31 | Mauve |
| | | 32 | Medium purple |
| | | 33 | Lavender |
| | | 34 | Palace blue |
| | | 35 | Dark blue |
| | | 36 | Medium blue |
| | | 37 | Deep blue |
| | | 38 | Daylight blue |
| | | 39 | Slate blue |
| | | 40 | Light blue |
| | | 41 | Sky blue |
| | | 42 | Pale navy blue |
| | | 43 | Marine blue |
| | | 44 | Peacock blue |
| | | 45 | Lagoon blue |
| | | 46 | Lagoon blue ... dark yellow green |
| | | 47 | Dark yellow green |
| | | 48 | Primary green |
| | | 49 | Fern green |
| | | 50 | Moss green |
| | | 51 | Dark green |
| | | 52 | Lime green |
| | | 53 | Pale green |
| | | 54 | Quarter CT Blue |
| | | 55 | Half CT Blue |

| CH | Function | DMX | Description |
|---|---|---|---|
| **19** | Colors (continued) | 56 | FULL CT Blue |
| | | 57 | Double CT Blue |
| | | 58 | Quarter CT Orange |
| | | 59 | Half CT Orange |
| | | 60 | FULL CT Orange |
| | | 61–179 | No function |
| | | 180–201 | Fast to slow CW (180–8 °/s) |
| | | 202–207 | Spin: Stop |
| | | 208–229 | Slow to fast CCW (8–180 °/s) |
| | | 230–234 | Random: Open |
| | | 235–239 | Random Slots Fast |
| | | 240–244 | Random Slots Medium |
| | | 245–249 | Random Slots Slow (6–2 Hz) |
| | | 250–255 | Random: Open |
| **20** | Dimmer Mode | 0–20 | Standard |
| | | 21–40 | Stage |
| | | 41–60 | TV |
| | | 61–80 | Architectural |
| | | 81–100 | Theatre |
| | | 101–120 | Stage 2 |
| | | 121–130 | Dim Delay 0...9s |
| | | 131 | Dim Delay 1s |
| | | 132 | Dim Delay 1s ... Dim Delay 2s |
| | | 133–141 | Dim Delay 2...10s |
| | | 142–149 | Idle |
| | | 150–154 | DTW On |
| | | 155–159 | DTW Off |
| | | 160–255 | Idle |
| **21** | Control | 0–24 | Idle |
| | | 25–34 | Blinder Output Mode |
| | | 35–44 | Constant Output Mode |
| | | 45–99 | Idle |
| | | 100 | 900 Hz |
| | | 101 | 910 Hz |
| | | 102 | 920 Hz |
| | | 103 | 930 Hz |
| | | 104 | 940 Hz |
| | | 105 | 950 Hz |
| | | 106 | 960 Hz |
| | | 107 | 970 Hz |
| | | 108 | 980 Hz |

| CH | Function | DMX | Description |
|---|---|---|---|
| **21** | Control (continued) | 109 | 990 Hz |
| | | 110 | 1000 Hz |
| | | 111 | 1010 Hz |
| | | 112 | 1020 Hz |
| | | 113 | 1030 Hz |
| | | 114 | 1040 Hz |
| | | 115 | 1050 Hz |
| | | 116 | 1060 Hz |
| | | 117 | 1070 Hz |
| | | 118 | 1080 Hz |
| | | 119 | 1090 Hz |
| | | 120 | 1100 Hz |
| | | 121 | 1110 Hz |
| | | 122 | 1120 Hz |
| | | 123 | 1130 Hz |
| | | 124 | 1140 Hz |
| | | 125 | 1150 Hz |
| | | 126 | 1160 Hz |
| | | 127 | 1170 Hz |
| | | 128 | 1180 Hz |
| | | 129 | 1190 Hz |
| | | 130 | 1200 Hz |
| | | 131 | 1210 Hz |
| | | 132 | 1220 Hz |
| | | 133 | 1230 Hz |
| | | 134 | 1240 Hz |
| | | 135 | 1250 Hz |
| | | 136 | 1260 Hz |
| | | 137 | 1270 Hz |
| | | 138 | 1280 Hz |
| | | 139 | 1290 Hz |
| | | 140 | 1300 Hz |
| | | 141 | 1310 Hz |
| | | 142 | 1320 Hz |
| | | 143 | 1330 Hz |
| | | 144 | 1340 Hz |
| | | 145 | 1350 Hz |
| | | 146 | 1360 Hz |
| | | 147 | 1370 Hz |
| | | 148 | 1380 Hz |
| | | 149 | 1390 Hz |
| | | 150 | 1400 Hz |

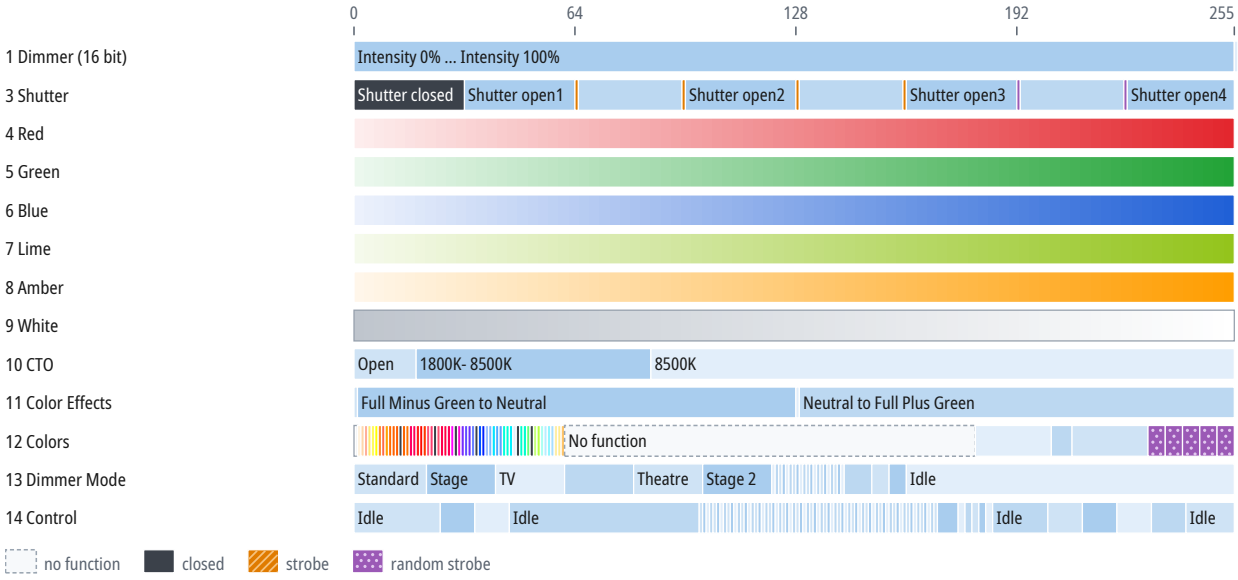
| CH | Function | DMX | Description |
|---|---|---|---|
| **21** | Control (continued) | 151 | 1410 Hz |
| | | 152 | 1420 Hz |
| | | 153 | 1430 Hz |
| | | 154 | 1440 Hz |
| | | 155 | 1450 Hz |
| | | 156 | 1460 Hz |
| | | 157 | 1470 Hz |
| | | 158 | 1480 Hz |
| | | 159 | 1490 Hz |
| | | 160 | 1500 Hz |
| | | 161 | 2500 Hz |
| | | 162 | 4000 Hz |
| | | 163 | 5000 Hz |
| | | 164 | 6000 Hz |
| | | 165 | 10000 Hz |
| | | 166 | 15000 Hz |
| | | 167 | 20000 Hz |
| | | 168 | 25000 Hz |
| | | 169–174 | Idle |
| | | 175–176 | Highest Fidelity |
| | | 177–178 | Balanced Output and Fidelity |
| | | 179–180 | Highest Output (Default) |
| | | 181–182 | Bright (Highest Output) |
| | | 183–184 | Uniform (Elation Full Spectrum Match) |
| | | 185–200 | Idle |
| | | 201–210 | Dimmer Curve: Linear (Default) |
| | | 211–220 | Dimmer Curve: Square |
| | | 221–230 | Dimmer Curve: Inverse Square |
| | | 231–240 | Dimmer Curve: S-Curve |
| | | 241–255 | Idle |

## Mode Standard 14CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 Red 255, CH 5 Green 255, CH 6 Blue 255, CH 7 Lime 255, CH 8 Amber 255, CH 9 White 255, CH 10 CTO 0.

### Channel functions at a glance



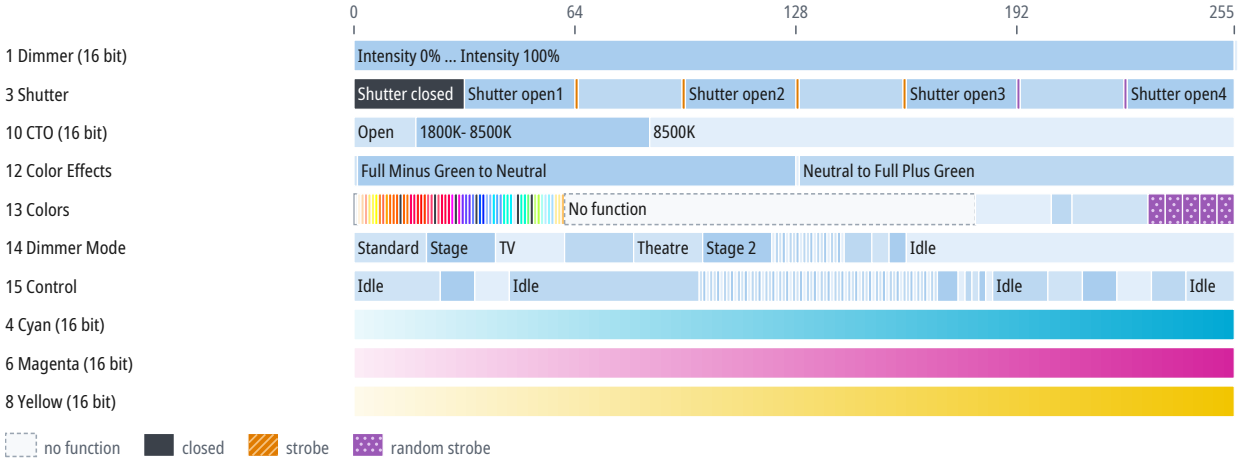

| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “Extended 21CH” (p. 10) |
| **2** | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| **3** | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| **4** | Red | 0–255 | |
| **5** | Green | 0–255 | |
| **6** | Blue | 0–255 | |
| **7** | Lime | 0–255 | |
| **8** | Amber | 0–255 | |
| **9** | White | 0–255 | |
| **10** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |
| **11** | Color Effects | | Same as CH 18 in the mode “Extended 21CH” (p. 11) |
| **12** | Colors | | Same as CH 19 in the mode “Extended 21CH” (p. 11) |
| **13** | Dimmer Mode | | Same as CH 20 in the mode “Extended 21CH” (p. 13) |
| **14** | Control | | Same as CH 21 in the mode “Extended 21CH” (p. 13) |

## Mode CMY Extended 15CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 Cyan 255, CH 6 Magenta 255, CH 8 Yellow 255, CH 10 CTO 0.

### Channel functions at a glance



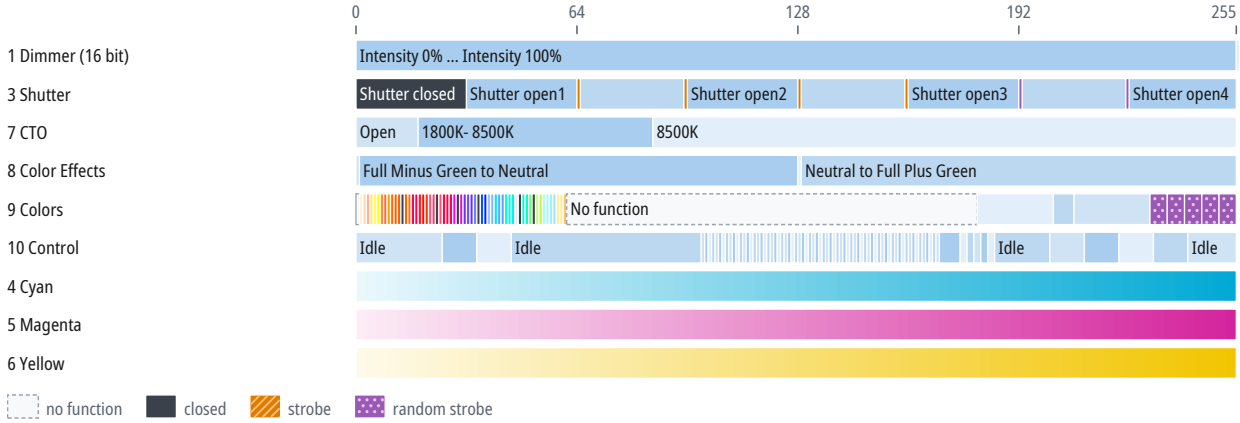

| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “Extended 21CH” (p. 10) |
| **2** | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| **3** | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| **4** | Cyan | 0–255 | |
| **5** | Cyan Fine | 0–255 | Fine adjustment of CH 4 |
| **6** | Magenta | 0–255 | |
| **7** | Magenta Fine | 0–255 | Fine adjustment of CH 6 |
| **8** | Yellow | 0–255 | |
| **9** | Yellow Fine | 0–255 | Fine adjustment of CH 8 |
| **10** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |
| **11** | CTO Fine | 0–255 | Fine adjustment of CH 10 |
| **12** | Color Effects | | Same as CH 18 in the mode “Extended 21CH” (p. 11) |
| **13** | Colors | | Same as CH 19 in the mode “Extended 21CH” (p. 11) |
| **14** | Dimmer Mode | | Same as CH 20 in the mode “Extended 21CH” (p. 13) |
| **15** | Control | | Same as CH 21 in the mode “Extended 21CH” (p. 13) |

## Mode CMY Standard 10CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 Cyan 255, CH 5 Magenta 255, CH 6 Yellow 255, CH 7 CTO 0.

### Channel functions at a glance



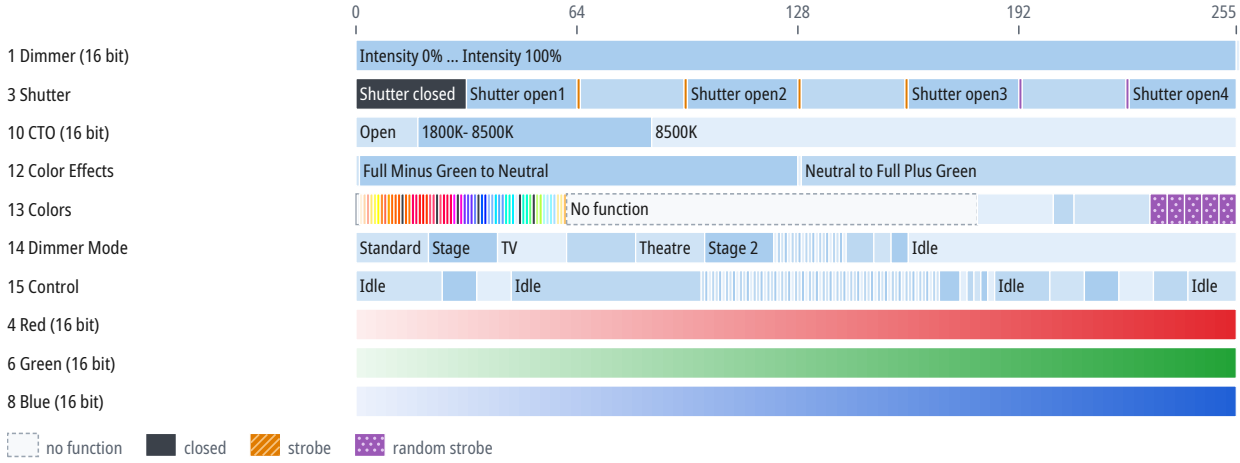

| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “Extended 21CH” (p. 10) |
| **2** | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| **3** | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| **4** | Cyan | 0–255 | |
| **5** | Magenta | 0–255 | |
| **6** | Yellow | 0–255 | |
| **7** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |
| **8** | Color Effects | | Same as CH 18 in the mode “Extended 21CH” (p. 11) |
| **9** | Colors | | Same as CH 19 in the mode “Extended 21CH” (p. 11) |
| **10** | Control | | Same as CH 21 in the mode “Extended 21CH” (p. 13) |

## Mode RGB Extended 15CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 Red 255, CH 6 Green 255, CH 8 Blue 255, CH 10 CTO 0.

### Channel functions at a glance



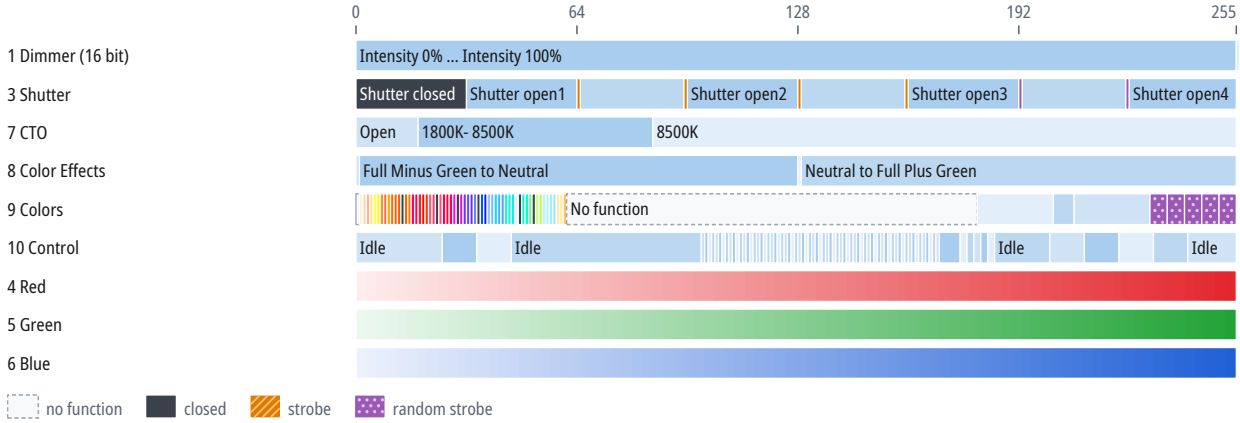

| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “Extended 21CH” (p. 10) |
| **2** | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| **3** | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| **4** | Red | 0–255 | |
| **5** | Red Fine | 0–255 | Fine adjustment of CH 4 |
| **6** | Green | 0–255 | |
| **7** | Green Fine | 0–255 | Fine adjustment of CH 6 |
| **8** | Blue | 0–255 | |
| **9** | Blue Fine | 0–255 | Fine adjustment of CH 8 |
| **10** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |
| **11** | CTO Fine | 0–255 | Fine adjustment of CH 10 |
| **12** | Color Effects | | Same as CH 18 in the mode “Extended 21CH” (p. 11) |
| **13** | Colors | | Same as CH 19 in the mode “Extended 21CH” (p. 11) |
| **14** | Dimmer Mode | | Same as CH 20 in the mode “Extended 21CH” (p. 13) |
| **15** | Control | | Same as CH 21 in the mode “Extended 21CH” (p. 13) |

## Mode RGB Standard 10CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 Red 255, CH 5 Green 255, CH 6 Blue 255, CH 7 CTO 0.

### Channel functions at a glance



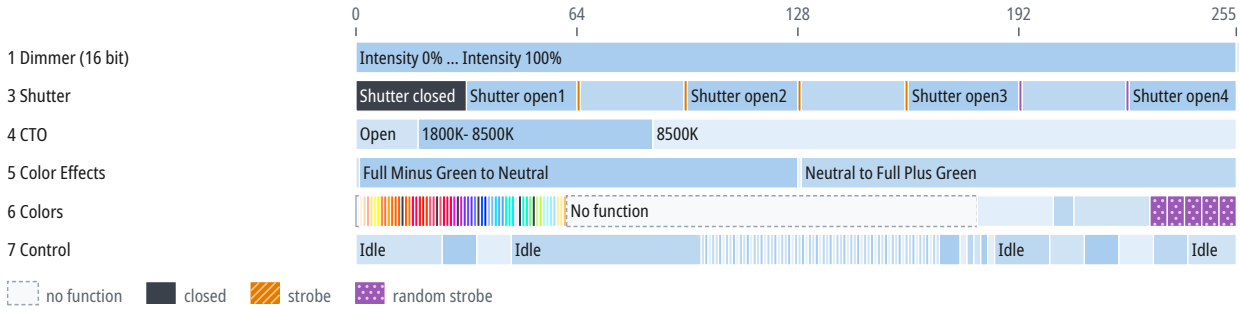

| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “Extended 21CH” (p. 10) |
| **2** | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| **3** | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| **4** | Red | 0–255 | |
| **5** | Green | 0–255 | |
| **6** | Blue | 0–255 | |
| **7** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |
| **8** | Color Effects | | Same as CH 18 in the mode “Extended 21CH” (p. 11) |
| **9** | Colors | | Same as CH 19 in the mode “Extended 21CH” (p. 11) |
| **10** | Control | | Same as CH 21 in the mode “Extended 21CH” (p. 13) |

## Mode Dimmer/CCT/Color Picker 7CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Shutter 255, CH 4 CTO 0.

### Channel functions at a glance

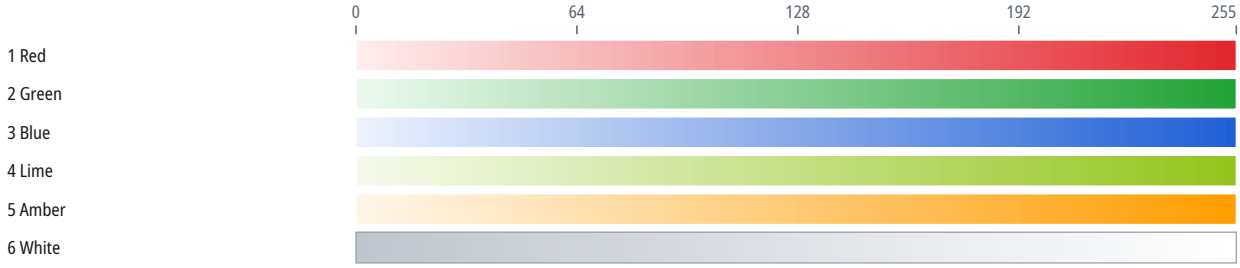


| CH | Function | DMX | Description |
|---|---|---|---|
| 1 | Dimmer | | Same as CH 1 in the mode “Extended 21CH” (p. 10) |
| 2 | Dimmer Fine | 0–255 | Fine adjustment of CH 1 |
| 3 | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| 4 | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |
| 5 | Color Effects | | Same as CH 18 in the mode “Extended 21CH” (p. 11) |
| 6 | Colors | | Same as CH 19 in the mode “Extended 21CH” (p. 11) |
| 7 | Control | | Same as CH 21 in the mode “Extended 21CH” (p. 13) |

## Mode RawColor 6CH

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Lime 255, CH 5 Amber 255, CH 6 White 255.

### Channel functions at a glance

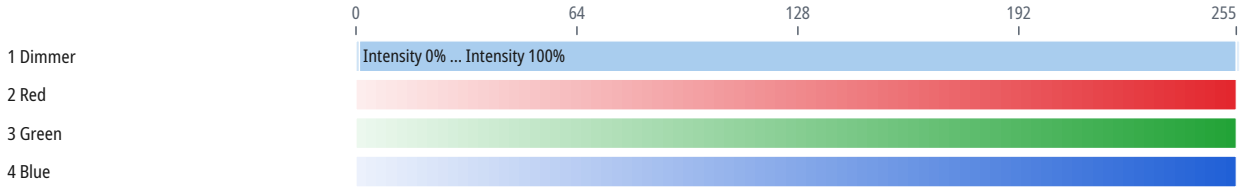



| CH | Function | DMX | Description |
|---|---|---|---|
| 1 | Red | 0–255 | |
| 2 | Green | 0–255 | |
| 3 | Blue | 0–255 | |
| 4 | Lime | 0–255 | |
| 5 | Amber | 0–255 | |
| 6 | White | 0–255 | |

## Mode IRGB 4CH

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255.

### Channel functions at a glance

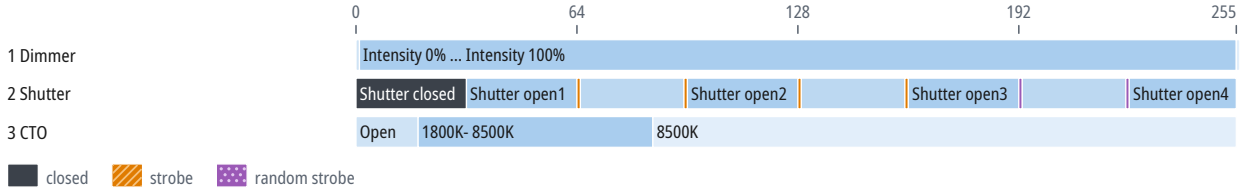


| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | 0 | Intensity 0% |
| | | 1–254 | Intensity 0% ... Intensity 100% |
| | | 255 | Intensity 100% |
| **2** | Red | 0–255 | |
| **3** | Green | 0–255 | |
| **4** | Blue | 0–255 | |

## Mode Dimmer/ Strobe/CCT 3CH

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Shutter 255, CH 3 CTO 0.

### Channel functions at a glance

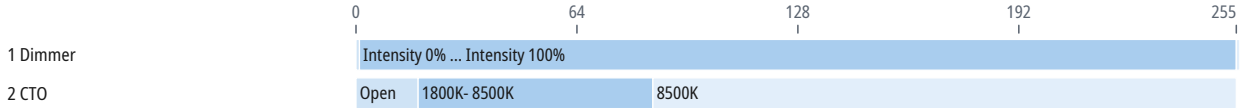



| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “IRGB 4CH” (p. 22) |
| **2** | Shutter | | Same as CH 3 in the mode “Extended 21CH” (p. 10) |
| **3** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |

## Mode Dimmer/CCT 2CH

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 CTO 0.

### Channel functions at a glance




| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “IRGB 4CH” (p. 22) |
| **2** | CTO | | Same as CH 16 in the mode “Extended 21CH” (p. 11) |

## Mode Dimmer 1CH

The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

### Channel functions at a glance




| CH | Function | DMX | Description |
|---|---|---|---|
| **1** | Dimmer | | Same as CH 1 in the mode “IRGB 4CH” (p. 22) |

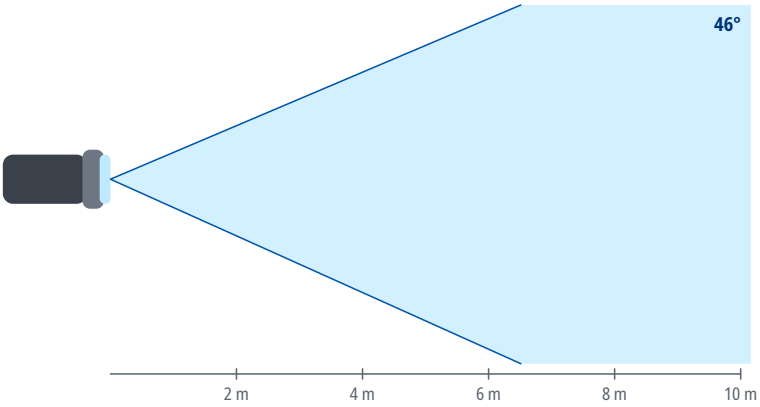
# 9 Technical specifications

| Parameter | Value |
|---|---|
| **Light** | |
| Light source | LED |
| LED power | 294 W |
| Luminous flux | 12,700 lm |
| Color temperature | 6,500 K |
| Color rendering index (CRI) | 92 |
| **Optics** | |
| Beam angle | 46° |
| **Control** | |
| DMX connection | 3-pin XLR IN/OUT |
| RDM | yes (manufacturer ID 0x062B, device model ID 0x0187) |
| **Electrical** | |
| Power supply | 90–240 V, 50/60 Hz |
| Power consumption | 292 W |
| Power connectors | powerCON TRUE1 IN |
| **Dimensions and construction** | |
| Weight | 4.3 kg |
| **Operating environment** | |
| Operating temperature | -40 to 45 °C |

## Speeds and ranges

| Parameter | Value |
|---|---|
| Color temperature range | 1800–8500 K |
| Strobe frequency | 1–10 Hz |
| Color wheel rotation | up to 180 °/s (30 rpm) |

## Spot diameter




| Distance | Ø 46° |
|---|---|
| 2 m | 1.7 m |
| 4 m | 3.4 m |
| 6 m | 5.1 m |
| 8 m | 6.8 m |
| 10 m | 8.5 m |
| 15 m | 12.7 m |

Spot diameter square to the beam axis, calculated from the beam angle.

# 10 Maintenance and cleaning

- Before cleaning and maintenance, switch the device off, disconnect it from the power supply and let it cool down.
- Clean the housing with a soft, dry or slightly damp cloth. Do not use solvents, abrasive cleaners or pressure washers, and make sure no liquid gets into the device.
- Clean optical parts (lenses, front glass), if the device has any, with a soft lint-free cloth and a cleaner intended for optics or glass.
- Regularly inspect the housing, cables, connectors and fixings. Have damaged parts replaced by a service center.
- How often to clean depends on the environment; dust, smoke and fog make the device dirty much faster.

# 11 Troubleshooting

| Problem | Remedy |
|---|---|
| The device does not switch on | Check the supply voltage, the cables and the fuse, if the device has one. |
| The device does not respond to DMX | Check the start address, the selected DMX mode and whether it matches the profile in the controller, the cable connection to DMX IN, and the controller output (universe). |
| The device behaves erratically or flickers | Check the terminator at the end of the line, the condition and wiring of the cables (shield on pin 1 only), the number of devices on the line (32 at most), and that the line is not split without a splitter. |
| Only some devices on the line respond | Check the cable and connectors between the last working and the first non-working device, and make sure all devices on the line are switched on. |
| Devices respond to the wrong channels or affect each other | Check that the addresses do not overlap and that the DMX mode on the devices matches the patch in the controller. |
| The device or the connected load does not light up although it receives DMX | Check the values of the dimmer, shutter and strobe channels against the DMX channel table. For the DMX modes for which the sources state it, the chapter DMX channels gives under the mode's heading which channels must be open. |

# 12 Disposal

The crossed-out wheeled bin symbol on the product, in the manual or on the packaging means that the product must not be disposed of with unsorted household waste at the end of its life.

Take the end-of-life equipment to a collection point, for example a municipal collection site or a retailer. Proper disposal enables materials to be recycled and helps prevent possible negative effects on the environment and human health.

Follow the regulations applicable in your country; in the Czech Republic, take-back is governed by Act No. 542/2020 Coll., on End-of-Life Products.

Recycle the packaging materials according to their type.