INDEX

Index 2
Safety information 2
Content 2
Technical 3
Specifications 3
Installation 4
Programming 5
Factory setting table 5
Programming table 6
Barndoor assembly 7
Snoot / half snoot assembly 8
Honey comb assembly 9
Accessories 10
Accessory combinations 10
List of symbols 11

SAFETY INFORMATION

Make sure all connectors are connected properly
Use a source of AC power that complies to local electrical codes
Block access below the work area when maintaining the unit
Don't modify or install genuine parts on this product
Don't install in a flammable or explosive area
Warning! Some surfaces can be hot

Disconnect the power supply before installing or maintaining

Ambiance Max. 40°

Qualified technician

CONTENT

Barndoor assembly
Snoot / half snoot assembly
Honey comb assembly
Accessories
Accessory combinations
List of symbols

Ceiling 350º 50.000 h IP20
30 Watt Max.
360º 23º 45º 69º
100 - 240 VAC

DRIVER INCLUDED
DRIVER INTERNAL

780 gram

DMX 512
RGB-W 1800K - 4000K
2700K - 5700K

CLS JADE B COLOUR FLOW - TUNABLE WHITE

Manual V1.1 - November 2020

www.cls-led.com
TECHNICAL SPECIFICATIONS

LED: CLS Dynamic Colour CoB
Colour changing: RGB-W
Tunable White: 1800-4000K & 2700K-5700K
Beam angle: 23°, 45° or 69°
Power supply: 100 ~ 240 VAC
Power consumption: Max. 30 Watt (1450 lumen)
Housing: Black, grey or white PC (PC-ABS V0)
Heatsink black or white coated aluminium
Weight: 780 gram
IP value: IP20
Cable length: 200 centimeters
Measurements: 175.7 x 100 x 100 mm (hxwxd)
Ambient temperature: -10°C till +40°C

INSTALLATION

1. Install fixture with existing aluminium cable tray
2. ø 10 mm
3. ø 100 mm
4. Φ 10 mm
5. M16
6. Φ 10 mm
7. 75 mm
8. 122.5 mm
9. 157.7 mm
10. 18 mm

* Install example aluminium cable tray
- Combi cable = 5 x 0.5 mm²
- Max. 20 Jade B Colour Flow - Tunable White in 1 power line

Position indicator

5 core combi cable connection scheme

yellow/green
brown
blue
red
white
DMX
DMX
PROGRAMMING

All settings can be configured via DMX. Settings can be configured at once or separately. When one or a couple settings needs to be changed just leave all other setting values zero. This keeps those settings unchanged. Please check the table for more information.

Always use a DMX controller with digital interface. If not available, you can purchase the CLS D-ta DMX addresser unit (#122200).

First make sure to set the DATA on the DMX controller. To program the setting into the LED fixture follow the next steps.

1. If the LEDs /f_lashes 10 times, something went wrong. Please try again. If the problem continues to occur, please contact your local sales distributor.

### FACTORY SETTING TABLE

<table>
<thead>
<tr>
<th>Row #</th>
<th>Fixture type</th>
<th>Address</th>
<th>Static</th>
<th>Master control</th>
<th>Output 1 patch</th>
<th>Output 2 patch</th>
<th>Output 3 patch</th>
<th>Output 4 patch</th>
<th>Static output 1</th>
<th>Static output 2</th>
<th>Static output 3</th>
<th>Static output 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RBGW</td>
<td>1 1</td>
<td>OFF</td>
<td>OFF</td>
<td>1 (R)</td>
<td>2 (G)</td>
<td>3 (B)</td>
<td>4 (W)</td>
<td>255</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>2</td>
<td>RGBA</td>
<td>1 1</td>
<td>OFF</td>
<td>OFF</td>
<td>1 (R)</td>
<td>2 (G)</td>
<td>3 (B)</td>
<td>4 (W)</td>
<td>255</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>3</td>
<td>AW/B</td>
<td>1 1</td>
<td>OFF</td>
<td>OFF</td>
<td>1 (R)</td>
<td>2 (W)</td>
<td>3 (B)</td>
<td>4 (A)</td>
<td>255</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>4</td>
<td>1800-3000K</td>
<td>1 1</td>
<td>OFF</td>
<td>OFF</td>
<td>1 (R)</td>
<td>2 (30)</td>
<td>3 (18)</td>
<td>4 (30)</td>
<td>255</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>5</td>
<td>1800-4000K</td>
<td>1 1</td>
<td>OFF</td>
<td>OFF</td>
<td>1 (30)</td>
<td>2 (40)</td>
<td>3 (18)</td>
<td>4 (30)</td>
<td>255</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>6</td>
<td>2700-5000K</td>
<td>1 1</td>
<td>OFF</td>
<td>OFF</td>
<td>1 (27)</td>
<td>2 (50)</td>
<td>3 (27)</td>
<td>4 (50)</td>
<td>255</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
</tbody>
</table>

Max. 20 pieces of Jade can be connected in a group. Max. 20 pieces of Jade per DMX line on a rail.

### WIRELESS DMX


Unlink procedure

When the fixture does not receive a DMX signal (DMX controller off), place the magnet on the bottom of the fixture for 5 seconds. Slow flash indicates that the fixture is unlinked.

* If LED’s flashes 10 times, something went wrong. Please try again. If the problem continues to occur, please contact your local sales distributor.

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PROGRAMMING TABLE

<table>
<thead>
<tr>
<th>DMX Function</th>
<th>Data</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH1</td>
<td>0</td>
<td>no change</td>
<td>Use this DMX channel to set address from 01 to 255. The configured DMX address is called &quot;n&quot;</td>
</tr>
<tr>
<td>CH2</td>
<td>0</td>
<td>no change</td>
<td>Use this DMX channel to set address from 256 to 508. The configured DMX address is called &quot;n+1&quot;</td>
</tr>
<tr>
<td>CH3</td>
<td>0</td>
<td>no change</td>
<td>Set address no change</td>
</tr>
<tr>
<td>CH4</td>
<td>0</td>
<td>no change</td>
<td>Data no master used</td>
</tr>
<tr>
<td>CH5</td>
<td>0</td>
<td>no change</td>
<td>Static behavior</td>
</tr>
<tr>
<td>CH6</td>
<td>0</td>
<td>no change</td>
<td>Load static values</td>
</tr>
<tr>
<td>CH7</td>
<td>0</td>
<td>no change</td>
<td>Soft dim</td>
</tr>
<tr>
<td>CH8</td>
<td>0</td>
<td>no change</td>
<td>Output 1 patch</td>
</tr>
<tr>
<td>CH9</td>
<td>0</td>
<td>no change</td>
<td>Output 2 patch</td>
</tr>
<tr>
<td>CH10</td>
<td>0</td>
<td>no change</td>
<td>Output 3 patch</td>
</tr>
<tr>
<td>CH11</td>
<td>0</td>
<td>no change</td>
<td>Output 4 patch</td>
</tr>
<tr>
<td>CH12</td>
<td>0</td>
<td>no change</td>
<td>Static output 1</td>
</tr>
<tr>
<td>CH13</td>
<td>0</td>
<td>no change</td>
<td>Static output 2</td>
</tr>
<tr>
<td>CH14</td>
<td>0</td>
<td>no change</td>
<td>Static output 3</td>
</tr>
<tr>
<td>CH15</td>
<td>0</td>
<td>no change</td>
<td>Static output 4</td>
</tr>
</tbody>
</table>

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### PROGRAMMING TABLE

<table>
<thead>
<tr>
<th>Output</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH1</td>
<td>0</td>
<td>Static output 1</td>
</tr>
<tr>
<td>CH2</td>
<td>0</td>
<td>Static output 2</td>
</tr>
<tr>
<td>CH3</td>
<td>0</td>
<td>Static output 3</td>
</tr>
<tr>
<td>CH4</td>
<td>0</td>
<td>Static output 4</td>
</tr>
</tbody>
</table>

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### FACTORY SETTING TABLE

* If the LEDs /f_lashes 10 times, something went wrong. Please try again. If the problem continues to occur, please contact your local sales distributor.

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WIRELESS DMX


Unlink procedure

When the fixture does not receive a DMX signal (DMX controller off), place the magnet on the bottom of the fixture for 5 seconds. Slow flash indicates that the fixture is unlinked.

* If LED’s flashes 10 times, something went wrong. Please try again. If the problem continues to occur, please contact your local sales distributor.
**Removing the barndoor:** rotate the accessory holder fully to the right or left, until you are not able to rotate it any further.

*If you want to rotate the barndoor to find the desired position, you need to keep the accessory holder with one hand on its place. If you don’t do this you might release the accessory holder!* 

When you feel the resistance, pull the accessory holder out of the mounting slot.

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**Removing the snoot:** rotate the accessory holder fully to the right or left, until you are not able to rotate it any further. (See step 5)

When you feel the resistance, pull the accessory holder out of the mounting slot.
HONEY COMB LOUVRE ASSEMBLY

1. Honey Comb Louvre
2. Accessory holder
3. Facing towards the Jade
4. Removing the honey comb: rotate the accessory holder fully to the right or left, until you are not able to rotate it any further. (See step 5)

When you feel the resistance, pull the accessory holder out of the mountingslot.

ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y106017</td>
<td>CLS Magnet pin [5 pcs]</td>
</tr>
<tr>
<td>Y106015</td>
<td>CLS D-Ta DMX tester/addresser unit</td>
</tr>
<tr>
<td>Y106200</td>
<td>CLS Jade Expo Snoot, black</td>
</tr>
<tr>
<td>Y106200-W</td>
<td>CLS Jade Expo Snoot, white (black inside)</td>
</tr>
<tr>
<td>Y106201</td>
<td>CLS Jade Expo Half Snoot, black</td>
</tr>
<tr>
<td>Y106201-W</td>
<td>CLS Jade Expo Half Snoot, white (black inside)</td>
</tr>
<tr>
<td>Y106202</td>
<td>CLS Jade Expo Barndoor, black</td>
</tr>
<tr>
<td>Y106202-W</td>
<td>CLS Jade Expo Barndoor, white (black inside)</td>
</tr>
<tr>
<td>Y106215</td>
<td>CLS Jade Expo Honey Comb louvre</td>
</tr>
</tbody>
</table>

Accessory Combinations