XLED

by **bright**

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263
219
Ø200

102

287

790
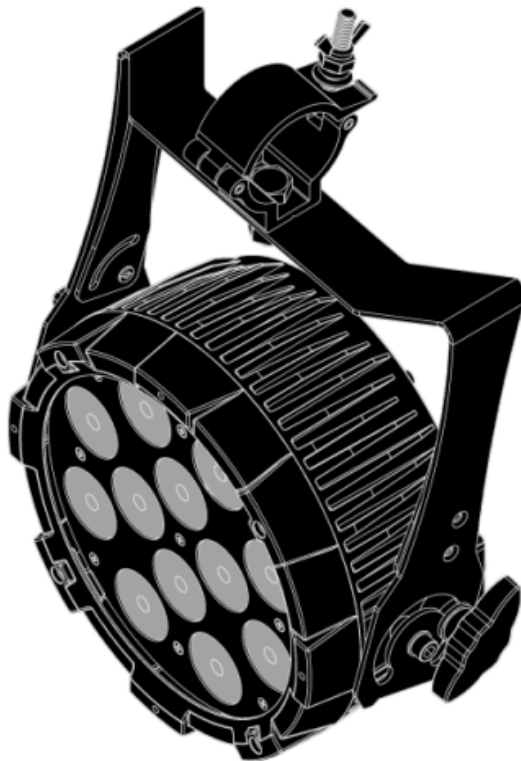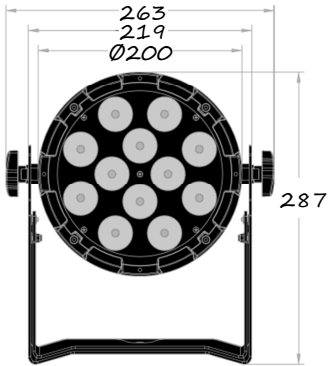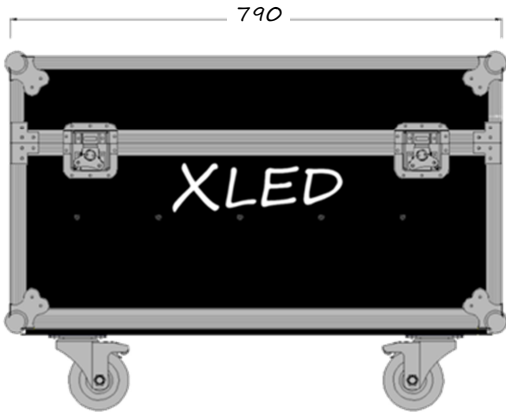
440

Width:
590

XLED

X

XLED basic:
1 x Bright XLED
1 x Hook clamp
1 x Schuko – PowerCon
Art.no: 437613

XLED Tourpack:
1 x Flightcase
10 x Bright XLED
10 x Hook clamp
10 x Schuko – PowerCon
10 x Safety-wire
Art.no:

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Safety Instructions:

- Do not open this device - there are no user-serviceable parts inside.
- Do not look directly at the light source when the device is on.
- Caution, this unit's housing may be hot when lights are operating.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Always use a safety cable when mounting this device overhead.
- Do not operate this device outdoors or in location where dust, excessive heat, water, or humidity may affect it.
- Do not connect this device to a dimmer or other regulated power
- Only connect this device to a grounded and protected circuit.
- Switchmode powers has high inrush-currents, do not exceed 8A on the output Powercon when daisy-chaining fixtures (16 units @ 230V)

Main Features:

- High Output 12x8w 4in1 RGBW led-engine
- Flicker free high speed PWM dimming
- Industry standard 5pin XLR and PowerCon
- Inputs and outputs for easy daisy-chaining.
- Intelligent yoke-design enables direct floor-mount without removal of hook clamp.
- Stealth design: All black parts, (body, yoke, hook clamp & bolt), Automatic dimming of LCD backlight.
- Compact size, low weight and power consumption

Display Navigation

```
DMX MODE
A001 C06
```

When XLED is already in DMX-mode, the DMX start address is displayed on the left side (Axxx), while the DMX channel count is displayed on the right side (Cxx).

Use the Up/Down buttons to alter the DMX start address, and press Enter/Confirm to set the address permanently.

```
>DMX Add
 DMX Cha
 StaticC
 ManualC
 ManualW
 Auto Pr
 Sound
 Mas/Sla
 Reset
```

If the XLED is not in DMX-mode, or to change other settings than the start address, press the Menu button to access the main menu:

Menu/Exit ▤ ⇧ ⇩ ☑ Enter/Confirm
                 Up Down

Navigate the main menu with the Up/Down buttons, and use the Enter/Confirm button to select a menu item. The XLED will return to its previous state if no new setting or mode has been confirmed within 10 seconds.

DMX start Address

Use Up/Down to alter the DMX start Address (001→512), then press Enter/Confirm to set the chosen start address permanently.

```
DMX Addr
 <011>
```
```
DMX MODE
A011 C06
```

● **Setting the DMX start Address will activate "DMX Mode"**

DMX Channel count

Use Up/Down to alter the DMX channel count (3ch, 4ch, 6ch, 9ch), then press Enter/Confirm to set the chosen Channel count permanently.

```
DMX Chan
 <06>
```
```
DMX MODE
A011 C06
```

● **Setting the DMX Channel count will activate "DMX Mode"**

Static Color

Use Up/Down to step thru any solid combination of R, G, B and W, then press Enter/Confirm to set Static Color permanently.

Static C
<RG   >

Color
Set

- ⬤ **Setting a static color will activate "Color Set" Mode**

Manual Color

Use Up/Down and Confirm/Enter to sequentially adjust values for RGBW, (000→255), overall Intensity (000→100) and Strobe speed (S000→S100), then press Enter/confirm to set Manual Color permanently.

Manual C
R<255>

Color
Set

- ⬤ **Setting a manual color will activate "Color Set" Mode**

Manual White

Use Up/Down and Confirm/Enter to adjust the color-temperature (W1→W11), then set intensity value (D100→000), then press Enter/confirm to set Manual White permanently.

Manual W
<W11>

Color
Set

- ⬤ **Setting a manual white will activate "Color Set" Mode**

Automatic Programs

Use Up/Down to select the built-in program (Pr01→Pr06), press Enter/Confirm, then use Up/Down to select the operating speed of the program (Sp000→Sp100) and press Enter/Confirm to start Auto Program at given speed

Auto Pro
<Pr01>

Auto
MODE

- ⬤ **Setting a program and speed will activate "Auto MODE"**

Sound trig

Use Up/Down to adjust the sensitivity (Sen000→Sen100) of the in-build microphone, then press Enter/confirm to set Sound sensitivity. permanently

Sound
<Sen070>

SOUND
Sen070

- ⬤ **Setting the Sound sensitivity will activate "SOUND" Mode**

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Master/Slave Operation

Use Up/Down to choose Master or Slave mode (M/S), and press Enter/Confirm.

When using any of the standalone operating modes: auto, sound, static or manual color with Master enabled, the Master fixture will transmit and remote control any fixtures set to Slave Mode.

- Setting Master/Slave to Slave will activate "Slave MODE"

Mas/Sla
M /<S>

Slave
MODE

Factory Reset

Use Up/Down to select <Y> for yes, then press Enter/confirm to reset the fixture to factory default settings.

- Resetting the fixture will activate "DMX Mode"

Reset
<N>/ Y

DMX MODE
A001 C06

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Functions in details

DMX channels:

The XLED may be set to use 3, 4, 6 or 9 DMX channels.

The channel order is the same for all modes:

(Please refer to the DMX Charts for detailed description)

1	2	3	4	5	6	7	8	9
R	G	B	W	Dim	Strobe	Color	Auto	Speed

Inbuilt Automatic Programs:

Pr01: RGBW hard chase

Pr02: 15 Colors hard chase

Pr03: RGBW soft chase

Pr04: 15 Col. soft chase

Pr05: Random colorfades

Pr06: Special chaser mode

Sp000: Stop

Sp001: Slow

↓

Sp100: Fast

Special Chaser Mode (program Pr06)

This mode enables cascading delay being applied to connected slave units, to create "running lights" chaser effects without a Lighting console (up to 255 groups.)
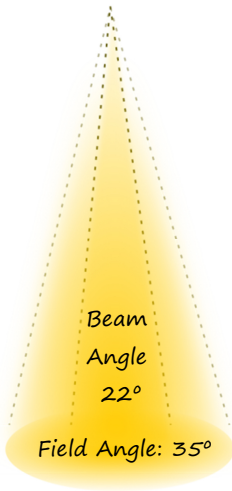
Settings for the master XLED

   1. Set the DMX address to total number of groups (e.g. 003)

   2. Set Auto Program to **Pr06** (master is always part of group 1)

Settings for the slave XLED's

   1. Set the DMX address to the desired slave group (e.g. 001, 002 or 003),

   2 Set the fixtures to Slave mode,

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Photometrics

Beam
Angle
22º

Field Angle: 35º

	Center Lux				
	R	G	B	W	RGBW
1m	3957	3900	4690	6000	15740
2m	977	1092	1200	1700	4310
3m	430	485	558	747	1911
4m	245	280	308	428	1056
5m	160	185	205	282	693

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DMX Chart – 3, 4, 6 & 9 Channels mode

CHANNEL	VALUE	FUNCTION
1	000-255	Red dimmer: 0% → 100%
2	000-255	Green dimmer: 0% → 100%
3	000-255	Blue dimmer: 0% → 100%
4	000-255	White dimmer: 0% → 100%
5	000-255	Master dimmer 0% → 100%
6	000-009	No function
	010-255	Strobe Slow → Fast (1-30Hz)
7	000-019	No Function
	020-039	Red 100% / Green 0% → 100% / Blue 0%
	040-059	Red 100% → 0% / Green 100% / Blue 0%
	060-079	Red 0% / Green 100% / Blue 0% → 100%
	080-099	Red 0% / Green 100% → 0% / Blue 100%
	100-119	Red 0% → 100% / Green 0% / Blue 100%
	120-139	Red 100% / Green 0% / Blue 100% → 0%
	140-159	Red 100% / Green 0% →100% / Blue 0% → 100%
	160-179	Red 100%→ 0% / Green 100% → 0% / Blue 100%
	180-200	Red 100% / Green 100% / Blue 100% / White 100%
	201-255	Color Temperature Warm → Cool
8	000-009	No Function
	010-049	Auto Program 1, R G B W hard chase
	050-090	Auto Program 2, 15 colors hard chase
	091-131	Auto Program 3, R G B W soft chase
	132-172	Auto Program 4, 15 colors soft chase
	173-213	Auto Program 5, Random colors fading
	214-255	Auto Program Sound, Random colors audio trig
9	000-255	Speed of Auto Programs (Slow → Fast)

Technical Specification:

Construction	
Housing	Black Die-cast Aluminum Body, Iron Yoke
Cooling System	Passive fanless, Temperature protection
Power Input/Output	Neutrik Powercon
DMX Input/Output	5-pin XLR
Display	Blue/white Backlit LCD, auto-dimmed when idle.
Dimension (LxWxH)	102 x 263 x 287 mm
Weight	3.4kg (clamp included)
Electric	
Power supply	100-240V AC, 50/60 Hz
Power consumption	98W, 0.9A@120V 0.5A@230V
LED Driver	Constant Current Driver, 2940Hz (Flicker Free)
Fuse	T2A , 250V
Optics	
Light Source	12 pcs of 4in1 RGBW 8W LED
Luminous Flux (1m)	R3957, G3900, B4690, W6000, RGBW15740
Beam/Field Angle	22°/35°
Functions	
Control Modes	DMX512, Static Color, Auto, Sound, Master/Slave
DMX Channels	3/4/6/9CH
Operation	
Temperature	Max ambient temperature Ta: 40°C
	Max housing temperature Tc (steady state): 80°C
Distance	Min. distance from flammable surfaces: 0.5 m
	Min. distance to lighted object: 0.1 m
Compliance	
LVD	EN60598-2-17:1989+A2:1991
	EN60598-1:2008+A11:2009
EMC	EN55015:2006+A1:2007+A2:2009
	EN61547:2009
	EN61000-3-2:2006+A12009+A2:2009
	EN61000-3-3:2008

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