

XLED TW

by **bright**



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 CRI85+ tunable white led-engine
- Flicker free high speed PWM 16-bit dimming
- Industry standard 5pin XLR and PowerCon
- Inputs and outputs for easy daisy-chaining.
- RDM remote addressing
- DMX controlled rise-time
- Easy and intuitive Local menu structure.
- Firmware cloning from fixture to fixture via DMX
- 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 C02

When XLED TW 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.

When receiving valid DMX, a blinking dot is displayed between the address and the channel count:



DMX Mode
A001.C02



> DMX Add
DMX Cha

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

Manual
Sound
Mas/Sla
Reset
Update

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 TW 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→xxx), then press Enter/Confirm to set the chosen start address permanently.



DMX Addr
<011>

“xxx” (highest address) is determined by the chosen channel-mode. (e.g. in 2ch mode max address is 511)



DMX Mode
A011 C02

- Setting the DMX start Address will activate “DMX Mode”

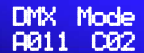
DMX Channel count

Use Up/Down to alter the DMX channel count (2ch, 3ch, 5ch), then press Enter/Confirm to set the chosen Channel count permanently.

- Setting the DMX Channel count will activate “DMX Mode”



DMX Chan
<02>



DMX Mode
A011 C02

Manual Control

Use Up/Down and Enter/Confirm to sequentially choose a Preset basic color-temperature, finetune the temperature of the chosen color, and finally set the overall intensity.

Use Menu/Exit to step backwards in menu-sequence to readjust the color.



Preset
<WarmWh>



Finetune
<Warm++>



Dimmer
<100>



Manual
Mode

- Setting a manual color will activate “Manual Mode”

Sound trig

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

- Setting the Sound sensitivity will activate “Sound” mode



Sound
<Sen070>



Sound
Mode

Master/Slave Operation

Use Up/Down to choose Master or Slave, and press Enter/Confirm.

When using any of the standalone operating modes: auto, sound, or manual 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/Slav
<Off>



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 C01

Firmware Update

Use Up/Down to select <Y> for yes, then press Enter/Confirm to set the fixture in update mode.

Connect another fixture (unpowered) with 5pin, then apply power. When the second fixture displays “Waiting for file”, Press Enter/Confirm on the original fixture to start transferring firmware to the second fixture.

- Press Menu/Exit twice to return to Main menu when done

Update
<N>/ Y

Update
<Start>

DMX channels:

The XLED TW may be set to use 1, 2, or 5 DMX channels.

Please refer to the DMX Charts for detailed description of each channel

1

Dim

The 1 channel mode automatically adapts the color temperature when dimming the fixture, similar to conventional tungsten

1	2
---	---

Dim

ColorTemp

The 2 channel mode gives easy access to both intensity and color temperature from manual consoles.

1	2	4	9	10
---	---	---	---	----

Dim

Dim fine

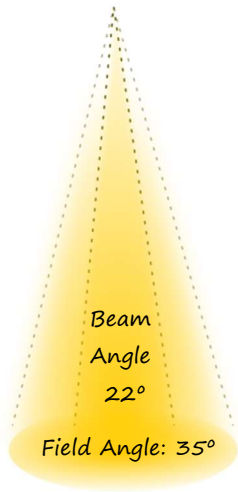
ColorTemp

Strobe

Rise-time

The 5 channel mode gives individual access to color temperature, 16-bit dimmer and shutter/strobe with additional random and audio-trig, finally the rise-time channel allows for emulation of typical response-profiles found in conventional dimmer and filament lamps.

Photometrics



Center Lux (tba)

Cool

Warm

C+W

1m

2m

3m

4m

5m

DMX Chart

1 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Dimmer 0% → 100%, Auto Color temperature

2 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Dimmer 0% → 100%
2	000-009	Auto Color temperature
	010-255	Color temperature Warm → Cool

5 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Master dimmer 0% → 100% (coarse)
2	000-255	Master dimmer (fine 16bit)
3	000-255	Color temperature Warm → Cool
	000-007	Shutter Closed
	008-015	Shutter Open
	016-119	Strobe Slow → Fast (1-25Hz)
4	120-127	Shutter Open
	128-183	Strobe Random Slow → Fast
	184-191	Shutter Open
	192-247	Strobe Audio Slow → Fast
	248-255	Shutter Open
	000-031	Instant response
	032-063	Short rise-time
	064-095	Medium rise-time
5	096-127	Long rise-time
	128-159	Extra-long rise-time
	160-191	[reserved]
	192-223	[reserved]
	224-255	[reserved]

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 2in1 WWcW 8W LED
Luminous Flux	tba
Beam/Field Angle	22°/35°

Functions

Control Modes	DMX512, RDM, Manual, Sound, Master/Slave
DMX Channels	1/2/5CH

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



© 2017 Bright Norway AS - Information subject to change without notice.
Bright Norway and all affiliated companies disclaim liability for any injury,
damage, direct or indirect loss, consequential or economic loss or any other
loss occasioned by the use of, inability to use or reliance on the information
contained in this manual.
Bright Norway AS • Brenneriveien 11 • N-0182 Oslo • Norway • brightgroup.no