EclPanel TWCMini2x1

115W Tunable White and colourful LED soft light with pixels and lighting effects

ORDER CODE: **ECLPANELTWCM2X1**

The **EclPanel** TWCMini2x1 is an ultra-compact LED soft light that provides a beautiful, wide source of soft and precise colours. In addition to this, the **EclPanel** TWCMini2x1 comes with a full range of white presets, from daylight to tungsten tones, and produces a tremendous output whilst keeping high CRI, TLCI and TM-30 values. The **EclPanel** TWCMini2x1 has 3 precision rotary knobs, with multiple stand-alone control modes: CCT with +/- green shift, CCT presets, HSI for total control of hue, saturation and intensity, RAW RGBW mode, XY and FX mode, allowing to scroll through the built-in cinema effects engine. Each of the 2 sections is controlled individually or simultaneously, allowing to play on-board customizable, cinematic effects through its built-in engine or from a console. The **EclPanel** TWCMini2x1 has several colour control modes: RGBW, RGB, CMY, HSI, XY, RAW Direct, CCT Linear and CCT Presets with +/- green shift, source emulation and industry-standard colour gels. Despite its lightweight, it has an on-board driver, a built-in power supply, Wireless DMX (CRMX+W-DMX), network connectivity (Art-Net, sACN, Kling-Net) and low voltage inputs (24-36V and 48Vdc).

MAIN FEATURES

- 115W RGB + Warm White LED source
- CRI >94; R9 >88,8; TLCI >92
- 2 section pixel control and built-in lighting effects for cinema applications, colour gel matching
- Silent operation with multiple fan modes
- Wireless DMX (CRMX+W-DMX), Ethernet connectivity, low voltage inputs (24-36V, 48Vdc)

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source:115 W RGB + Warm White LED
- Luminous flux:7'642 lm @3.200 K with MD filter
- Lux:124 lx @5 m full
- CRI:93 @3.200 K; 94 @5.600 K
- R9:90 @3.200 K; 92 @5.600 K
- TLCI:91 @5.600 K
- TM30 Rf:91 @3.200 K; 90 @5.600 K
- TM30 Rg:105 @3.200 K; 104 @5.600 K
- Source life expectancy: > 50.000 h

OPTICS
- Beam angle:98 °
- Field angle:153 °
- Lens type:medium density diffusion panel (interchangeable)
- Additional optics: see available accessories

COLOUR SYSTEM
- Colour control: XY, CCT, RGBW, Gel, HSI, Source Emulation, Color Macros, CTO on colors
- Colour mixing: RGB + Warm White
- CCT: CCT control range from 2.200K to 15.000K, + / - green correction, tungsten emulation
- White presets:2.800 K - 10.000 K with 28 K resolution
- Colour wheel: virtual colour wheel with macros
- Macros: Gels library on-board

DYNAMIC EFFECTS
- Control Resolution: 16-bit dimmer, colours
- Pixel patterns: pre-programmed pixel macros and cinema lighting effects patterns
- Special features: linear crossfade channel from any white to any colour; virtual CTO on colours

BODY
- Body: sturdy die-cast aluminium body
- Body colour: black

CONTROL
- Protocols: DMX512, RDM, Art-Net, sACN, W-DMX
- Stand Alone:selectable mode through 3 rotary knobs
- Pixel control:2 linear section control
- Wireless Control: integrated, CRMX + WDMX TRX
- RDM: RDM for remote monitoring and settings
- Display: Graphic User Interface
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included

ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves:4 selectable dimming modes available
- Strobe / shutter:1 - 30 Hz, electronic
- Operating temperature: -10° ~ +45°
- LED Control: flicker free frequency with adjustable PWM
- Selectable PWM: 600 ~ 40.000 Hz

ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Low Voltage DC mains:48Vdc and 24-36V
- Max power consumption:130 W
- Power factor:>0,93

PHYSICAL
- IP rating:20
- Cooling: active, silent operation
- Suspension and fixing: bracket for hanging and positioning
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- Low Voltage DC connector: XLR 4p
- Dimensions (WxHxD):529x276x144 mm
- Dimensions with PO system (WxHxD):547x396x144 mm
- Weight:6 kg
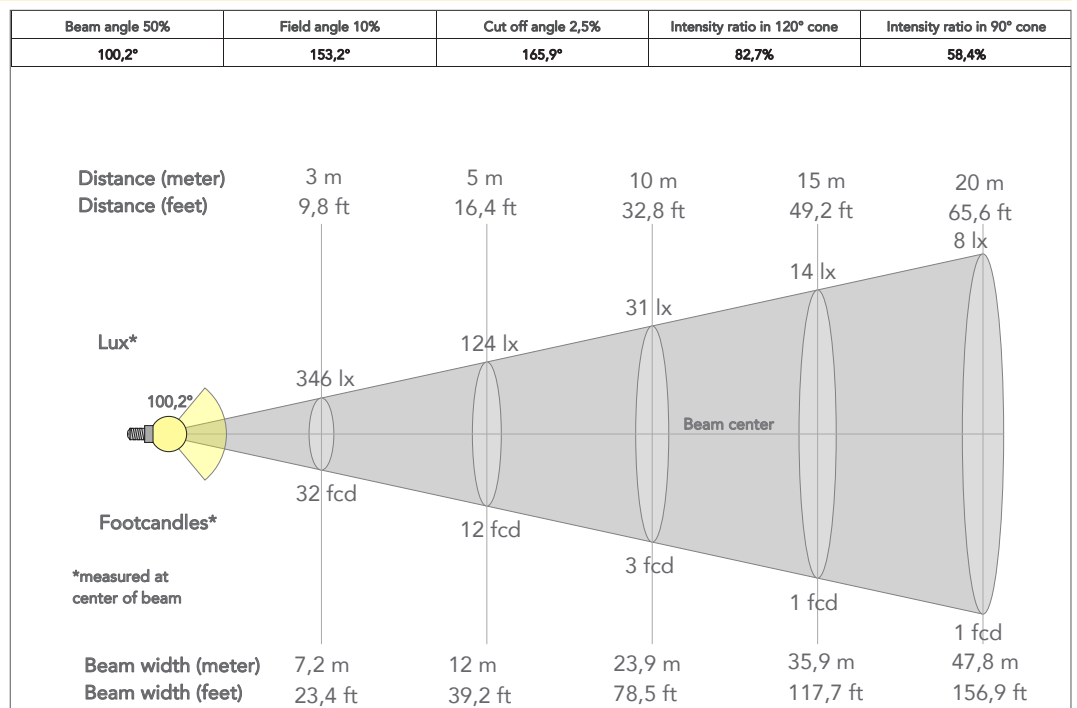- Weight with PO system:8,6 kg

CERTIFICATIONS / APPROVALS
- Certifications / Approvals: CE, UKCA, RCM, cTUVus, FCC
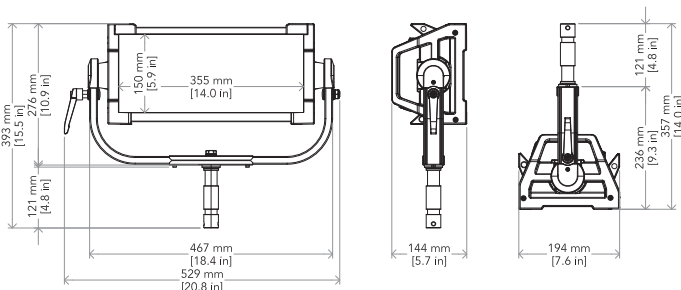
ACCESSORIES & RELATED PRODUCTS

- **9513FXWL03** — Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m
- **9533FXWL03** — Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m
- **958225L03** — 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m
- **C6002B** — Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
- **C6040B** — Aluminum clamp for 28mm spigot, 200kg load, 48-51mm tubes, black
- **FCLPANELM2X14U** — Flight case for 4 pcs of ECLPANELTWCM2X1
- **RSR0630B** — Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
- **TOUR53415L03** — Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m
- **WSBBF1G5** — BlackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM, 512Ch
- **WSBBF1G6** — BlackBox F-1 G6 transrec, 512ch, 2.45GHz, DMX&RDM,Bluetooth,G3,G4,G4S, G5, CRMX
- **WSBBR512G5** — BlackBox R-512 G5 receiver 512Ch, 2.45GHz & 5.8GHz, DMX/RDM optional
- **WSBBR512G6** — BlackBox R-512 G6 receiver 512Ch, 2.45GHz,DMX&RDM ,Bluetooth,G3,G4,G4S,G5,CRMX
- **ECLPANELM2X1POYO** — Pole operated aluminium yoke bracket for ECLPANELTWCM2X1

- **EPTWCM2X1FILTINT** — Front intensified diffusion filter for ECLPANELTWCM2X1
- **EPTWCM2X1FILTERHD** — Front high diffusion filter (less output) for ECLPANELTWCM2X1
- **EPTWCM2X1FILTERMD** — Front medium diffusion filter for ECLPANELTWCM2X1
- **EPTWCM2X1FILTERLD** — Front low diffusion filter (more output) for ECLPANELTWCM2X1
- **EPTWCM2X1EC30** — 30 degree egg crate for ECLPANELTWCM2X1
- **EPTWCM2X1EC60** — 60 degree egg crate for ECLPANELTWCM2X1
- **EPTWCM2X1EC2C** — 2 chamber egg crate for ECLPANELTWCM2X1
- **EPTWCM2X1BD** — Barndoor for ECLPANELTWCM2X1 with 4 directional flaps to adjust the light beam
- **EPTWCSBM21** — SnapBag 2x1 for ECLPANELTWCM2x1 by DoP choice
- **EPTWCSG4SBM2140** — 40° SnapGrid for SnapBag, 2x1 for ECLPANELTWCM2x1 by DoP choice
- **EPTWCSGM2140** — 40° SnapGrid, 2x1 for ECLPANELTWCM2x1 by DoP choice
- **SWIT500W2KIT** — 24/48V 500W battery (>1.2hrs) KIT including 2*PBH260S smart power batt.+st.adapt
- **ECLFRSPG** — Spigot for PROLIGHTS Fresnel series
- **UPBOX1U** — Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

PRESET 3.200 K

Beam angle 50%: MD filter

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
100,2°	153,2°	165,9°	82,7%	58,4%

Distance (meter)	3 m	5 m	10 m	15 m	20 m
Distance (feet)	9,8 ft	16,4 ft	32,8 ft	49,2 ft	65,6 ft
Lux*	346 lx	124 lx	31 lx	14 lx	8 lx
Footcandles*	32 fcd	12 fcd	3 fcd	1 fcd	1 fcd
Beam width (meter)	7,2 m	12 m	23,9 m	35,9 m	47,8 m
Beam width (feet)	23,4 ft	39,2 ft	78,5 ft	117,7 ft	156,9 ft

*measured at center of beam

TECHNICAL DRAWINGS

CERTIFICATIONS / APPROVALS

Conforms to UL STD. 1573
Certified to CSA STD: C22.2 NO. 166

Visit our website for specifications and tech documentations