EclPanel TWCJR4x1

ORDER CODE: **ECLPANELTWCJR4X1**



SOURCE	IP RATING	WEIGHT
230W RGB + Warm White LED	**IP20**	**10kg / 22.05lbs**

CRI
93 @3.200 K

TECHNICAL SPECIFICATIONS

LIGHT SOURCE

Source:	230W RGB + Warm White LED
Luminous flux:	16'260 @3.200 K with LD filter
Lux:	257lx @5 m full
CRI:	93 @3.200 K; 94 @5.600 K
R9:	96 @3.200 K; 94 @5.600 K
TLCI:	92 @5.600 K
TM30 Rf:	92 @3.200 K; 90 @5.600 K
TM30 Rg:	104 @3.200 K; 104 @5.600 K
Source life expectancy:	> 50.000 h

OPTICS

Beam angle:	102°
Field angle:	154°
Lens type:	medium density diffusion panel (interchangeable)
Additional optics:	see available accessories

COLOUR SYSTEM

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

DYNAMIC EFFECTS

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

CONTROL

Supported Protocols:	DMX512, RDM, Art-Net, sACN, W-DMX
Pixel control:	2 linear section control
RDM:	for remote addressing and parameter configuration
Display:	Graphic User Interface
Stand Alone:	selectable mode through 3 rotatory knobs

ELECTRONICS

Dimmer:	linear 0 - 100% electronic dimmer
Dimmer curves:	4 selectable dimming modes available
Strobe / shutter:	1 - 30 Hz, electronic
Selectable PWM:	600 to 40,000 Hz (selectable steps)
Firmware upgrade with:	via DMX with UPBOXPRO/ UPBOX1 (not included)

CONNECTIONS

Power connection:	Neutrik powerCON TRUE1 IN/OUT connectors
Signal connection:	Amphenol XLR 5p IN/OUT connectors
Wireless Connection:	integrated LumenRadio TiMo FX RDM - CRMX and W-DMX compatible
Low Voltage DC connector:	XLR 3p for 48V and XLR 4p for 24V-36V

ELECTRICAL

Mains power supply:	100-240V - 50/60Hz
Low Voltage DC mains:	48Vdc and 24-36V
Max power consumption (230V):	240W
Output (at 230V):	9 units on a single power line
Standby power:	110VAC/8.5W, 230VAC/8.8W
Power factor:	>0,93

Downloaded on 10/11/2026 - data may be provisional: features, specifications and appearance are subject to change without notice

TECHNICAL SPECIFICATIONS

PHYSICAL

IP rating:	IP20
Cooling:	forced-air with low-noise fan
Housing:	Sturdy die-cast aluminium body
Finish:	black
Operating temperature:	Ta -10 to +45 °C (+14 to +113 °F)
Dimensions (WxHxD):	819x276x144mm
Dimensions with PO system (WxHxD):	836x396x144mm
Weight:	10kg
Weight with PO system:	12.3kg

BOX CONTENT

1 x ECLPANELTWCJR4X1

1 x ECLFRSPG

1 x 1,5 meters 3G1,5mmq power cable (BARE END - NEUTRIK POWERCON TRUE1 IP65 power connector)

INSTALLATION

Suspension and fixing:	bracket for hanging and floor positioning

CERTIFICATIONS / REPORTS

Compliance:	CE, UKCA, RCM, cTUVus, FCC

ACCESSORIES & RELATED PRODUCTS



AETHERBOXONE
IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE



FCLPANELJR4X13U
Flight case for 3 pcs of ECLPANELTWCJR4X1



EPTWCBHEAD
Ball head joint for center mount bracket EPTWCBRK series



EPTWCBRKL
Center mount bracket for ECLPANELTWC and ECLPANELTWCJR4X1



ECLPANELJR4X1POYO
Pole operated aluminium yoke bracket for ECLPANELTWCJR4X1



EPTWCJR4X1FILTINT
Front intensified diffusion filter for ECLPANELTWCJR4X1



EPTWCJR4X1FILTHD
Front high diffusion filter (less output) for ECLPANELTWCJR4X1



EPTWCJR4X1FILTMD
Front medium diffusion filter for ECLPANELTWCJR4X1



EPTWCJR4X1FILTLD
Front low diffusion filter (more output) for ECLPANELTWCJR4X1



EPTWCJR4X1EC30
30 degree egg crate for ECLPANELTWCJR4X1



EPTWCJR4X1EC60
60 degree egg crate for ECLPANELTWCJR4X1



EPTWCJR4X1EC4C
4 chamber egg crate for ECLPANELTWCJR4X1



EPTWCJR4X1BD
Barndoor for ECLPANELTWCJR4X1 with 4 directional flaps to adjust the light beam



ECLFRSPG
Spigot for PROLIGHTS fixtures



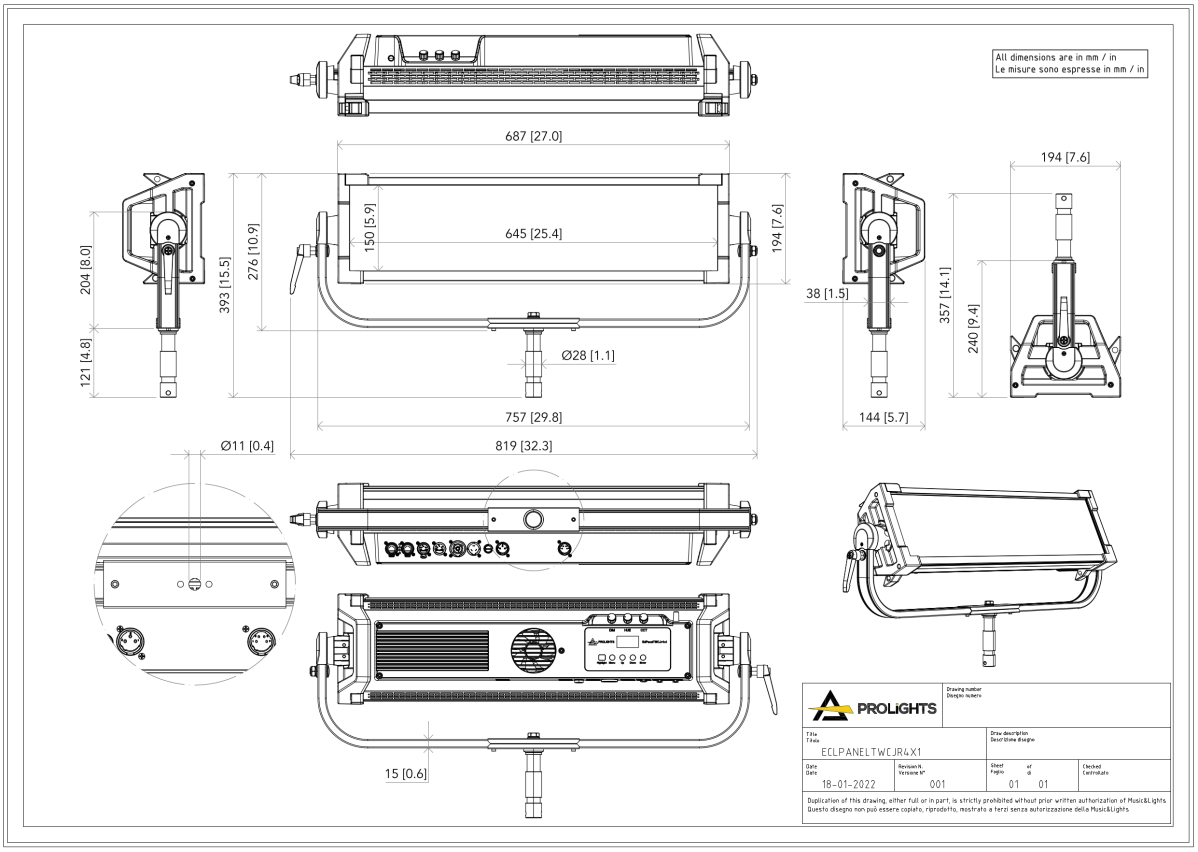
UPBOXPRO
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

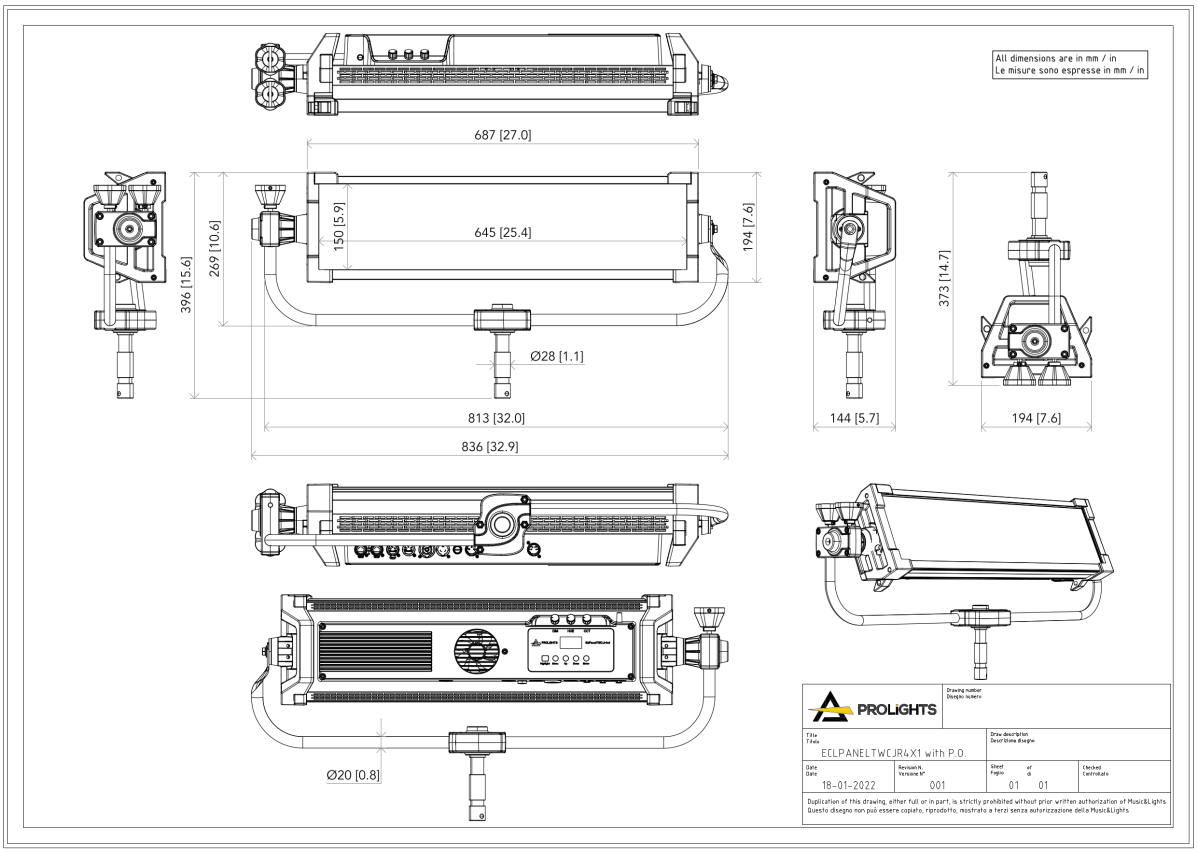


UPBOXPRO
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

Downloaded on 10/11/2026 - data may be provisional: features, specifications and appearance are subject to change without notice

TECHNICAL DRAWINGS

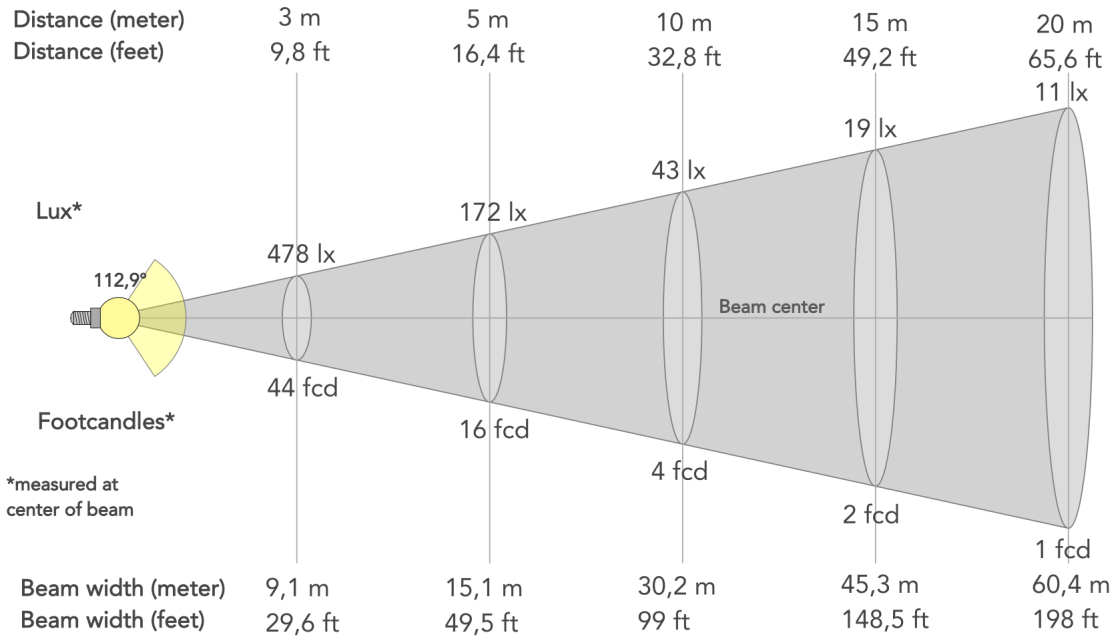




Downloaded on 10/11/2026 - data may be provisional: features, specifications and appearance are subject to change without notice

PHOTOMETRICS

Full On HQ - Filter HD



Beam angle (50%): **112.9°**	Field angle (10%): **158.3°**	Cut-off angle (2.5%): **169°**