EclPanel IPHard1x1

1x1 Hard Source LED Panel, IP65 with 300W power and 6 colors source

ORDER CODE: **ECLPANELIPHARD1X1**

The **EclPanel** IPHard1x1 is a 1x1 format IP65 Hard Light, featuring an LED source optimized for long throw film applications. This unit is designed to deliver quality lighting in all weather conditions. Its optical system, equipped with a 6-color LED array and collimator lenses controllable in 4 sections, producing a 20° native beam angle. This configuration enhances lux intensity for long throw uses and broadens the light spectrum, resulting in superior light quality. The **EclPanel** IPHard can be transformed into a soft light source by attaching optical modifiers to its accessory points.

Constructed with durable die-cast magnesium alloy, the IP65 rating of the housing makes the unit water and dust resistant, suitable for challenging environments and sets. The fixture incorporates an onboard power supply and processing unit, facilitating easy setup and operation. It features a 3.5" large display, a user-friendly interface, and comprehensive connectivity options, including both wired and wireless capabilities.

Further enhancing its versatility, the unit supports per-section control for custom or desk-created effects. For added portability, the **EclPanel** IPHard accepts power via 24-36V batteries and a 48V DC input. Its flexibility extends to control options, compatible with DMX & RDM, Ethernet protocols, remote operation via ControlGo, and wireless CRMX.

MAIN FEATURES

- 300W 6 color Hard Light in 1x1 format with 20° beam angle
- IP65 water and dust resistant
- 4 section pixel control and built-in lighting effects for film applications
- Silent operation with multiple fan modes

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 300W 6 colour LEDs source
- Luminous flux: (HB) 16'798 lm - (HQ) 16'425 lm @3.200 K
- Luminous flux: (HB) 17'966 lm - (HQ) 15'066 lm @5.600 K
- Lux: (HB) 2'987 lx - (HQ) 2'940lx @5 m 3.200 K
- Lux: (HB) 3'206 lx - (HQ) 2'729lx @5 m 5.600K
- CRI: 95,6 @3.200 K; 96,4 @5.600 K
- R9: up to 92
- TLCI: 89 @3.200 K; 95 @5.600 K
- TM30 Rf: >91 @3.200 K; > 92 @5.600 K
- TM30 Rg: < 101 @3.200 K; < 101 @5.600 K
- Source life expectancy: > 50.000 h

OPTICS

- Beam angle: 20°
- Field angle: 46°
- Lens type: TIR lenses
- Additional optics: Dome diffuser - see available accessories

COLOUR SYSTEM

- Colour control: XY, CCT, Gel, HSI, Source Emulation
- CCT: CCT control range from 1.850K to 20.000K, + / - green correction, tungsten emulation
- White presets: 1.850 K - 20.000K
- 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: color space selection, linear crossfade channel from any white to any colour; virtual CTO on colours

BODY

- Body: weatherproof IP65 construction with die-cast magnesium alloy
- Body colour: black

CONTROL

- Protocols: DMX512, RDM, ArtNet, sACN, CRMX
- Stand Alone: selectable mode through 4 RGB backlight push-encoders
- Pixel control: 4 section control
- Wireless Control: included, LumenRadio TimoTwo DMX/RDM compatible with both CRMX, CRMX2 (Lumen Radio) and W-DMX (Wireless DMX), Bluetooth capable
- RDM: RDM for remote monitoring and settings
- Display: 3.5" with new UI
- Firmware upgrade: via DMX with UPBOXPRO/UPBOX1 (USB-DMX interface not included)
- Other: Ethernet pass through in case of failure

ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 6 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Display battery: self-charging battery backup
- Operating temperature: -20° C / +45° C (-4° F / +113° F) Ta
- LED Control: flicker free frequency with adjustable PWM
- Selectable PWM: 1282 ~ 40.000 Hz

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 300W
- Standby power: 110V (60Hz): 9,41A; 230V (50Hz): 9,26A
- Output (at 230V): 9 units on a single power line
- Power factor: > 0,95

PHYSICAL

- IP rating: IP65 for temporary outdoor application, not for fixed installations
- Cooling: active, silent operation
- Suspension and fixing: bracket for truss rigging and hardware for connection of more units
- Signal connection: IP65 Seetronic XLR 5p IN/OUT connectors
- Data connection: IP65 Seetronic RJ45 IN/OUT
- Power connection: IP65 Seetronic powerCON TRUE IP65 IN/OUT
- Low Voltage DC connector: XLR 3p for 48V and XLR 4p for 24V-36V
- Dimensions (WxHxD): 529x433x142mm / 20.83"x17.05"x5.59"
- Weight: 12,8kg / 28.22lbs

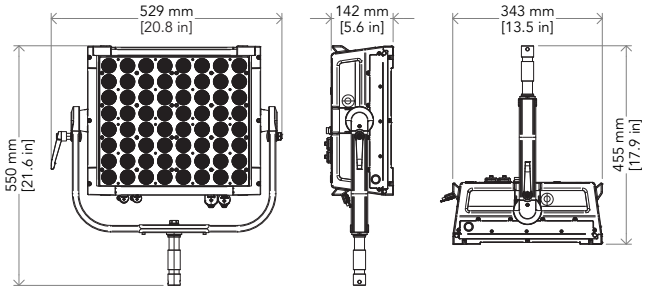
CERTIFICATIONS / APPROVALS

- Certifications / Approvals: CE, RCM, FCC, cTUVus

ACCESSORIES & RELATED PRODUCTS

FCLPANELIP1X13U	Flight case for 3 pcs of ECLPANELIP1X1HARD or ECLPANELIP1X1SOFT
EPIPH1X1DD	Dome Diffuser for ECLPANELIPHARD1X1 series
EPIP2X1X1RMP2U	Rigging metal plate for ECLPANELIP series to mount the products in arrays, 2U
EPIP2X1X1RMP4U	Rigging metal plate for ECLPANELIP series to mount the products in arrays, 4U
ECLPANELJRPOYO	Pole operated aluminium yoke bracket for ECLPANELTWCJR
EPTWCJRBAG1U	Bag for 1 pc of ECLPANELTWCJR
EPTWCBRKM	Center mount bracket for ECLPANELTWCJR and ECLPANELTWCM2X1
EPTWCBHEAD	Ball head joint for center mount bracket EPTWCBRK series
EPTWCJRFILTERHD	Front high diffusion filter (less output)
EPTWCJRFILTERMD	Front medium diffusion filter (included)
EPTWCJRFILTERLD	Front low diffusion filter (more output)
ECLFRSPG	Spigot for PROLIGHTS Fresnel series (included)
EPTWCJREC30/60	30/60 degree egg crate for ECLPANELTWCJR
EPTWCJREC4C	4 chamber egg crate for ECLPANELTWCJR
EPTWCJRBD	Barn door with 4 directional flaps to adjust the light beam
EPTWCJRSB11	SnapBag 1x1 for ECLPANELTWCJR by DoP choice
EPTWCJRSG4SB1140	40° SnapGrid for SnapBag, 1x1 by DoP choice
EPTWCJRSG1140	40° SnapGrid, 1x1 by DoP choice
EPSREM	Rabbit-Ears 1x1 MINI by DoP choice
EPSBRL3	Snapbag Lantern 3' for Rabbit-Ears by DoP choice Incl. Lantern, Backcovers, Carry Bag
EPSBRL3C4	Cover for Snapbag Lantern 3' (EPSBRL3) by DoP choice; 4 sides, adj. with zipper
EPSBRM	SnapBag Medium to be mounted on Rabbit Ears by DoP choice
EPSGCM40	40° SnapGrid, to be mounted on Snap Bag Medium (EPSBRM)
EPSBRO3	Snapbag Octa 3' to be mounted on Rabbit-Ears by DoP choice
EPSGC3W40	40° SnapGrid, to be mounted on Snap Bag Octa 3' (EPSBRO3)
EPSBRO5	Snapbag Octa 5' to be mounted on Rabbit-Ears by DoP choice
EPSGC5W40	40° SnapGrid, to be mounted on Snap Bag Octa 5' (EPSBRO5)
EPSBRO7	Snapbag Octa 7' to be mounted on Rabbit-Ears by DoP choice
EPSGC7W40	40° SnapGrid, to be mounted on Snap Bag Octa 7' (EPSBRO7)
EPSBCMNSM	Diffusion MAGIC cloth for Snapbag 60x60cm (EPTWCJRSB11) by DoP choice
EPSBCMNSF	Diffusion FULL Grid cloth for Snapbag 60x60cm (EPTWCJRSB11) by DoP choice
EPSBCMNSH	Diffusion HALF Grid cloth for Snapbag 60x60cm(EPTWCJRSB11) by DoP choice
EPSBCMNSQ	Diffusion QUARTER Grid cloth for Snapbag 60x60cm (EPTWCJRSB11) by DoP choice
EPSBCMNSQFM	Diff. cloth SET (1/4, 1/1,MAGIC) for Snapbag 60x60cm (EPTWCJRSB11) by DoP choice
EPTWCJRLANT11	Snapbag Lantern for ECLPANELTWCJR by DoP. Incl. Lantern, Backcovers, Carry Bag
SPGM12	28mm spigot for fixtures, M12 bolt
SPGM10	28mm spigot for fixtures, M10 bolt
TOUR53415L03	Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m
958225L03	3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m
9513FXWL03	Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m
9533FXWL03	Ass. 3x2.5mm TH07 cable, SCHUKO plug, MENAC3FXW socket, L.3m
RSR0630B	Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
C6002B	Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
C6040B	Aluminum clamp for 28mm spigot, 200kg load, 48-51mm tubes
UPBOXPRO	Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

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

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