# **EclPanel** IPHard2x1

2x1 Hard Source LED Panel, IP65 with 550W power and 6 colors source

ORDER CODE: **ECLPANELIPHARD2X1**



The **EclPanel** IPHard2x1 is a 2x1 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 8 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

- 550W 6 color Hard Light in 2x1 format with 20° beam angle
- IP65 water and dust resistant
- 8 section pixel control and built-in lighting effects for film applications
- Silent operation with multiple fan modes

## TECHNICAL SPECIFICATION

### LIGHT SOURCE
- Source: 550W 6 colour LEDs source
- Luminous flux: (HB) 36'904 lm - (HQ) 35'755 lm @3.200 K
- Luminous flux: (HB) 38'770 lm - (HQ) 33'409 lm @5.600 K
- Lux: (HB) 5'072 lx - (HQ) 4'962lx @5 m 3.200 K
- Lux: (HB) 5'359 lx - (HQ) 4'700lx @5 m 5.600K
- CRI: 95,5 @3.200 K; 96,3 @5.600 K
- R9: up to 92
- TLCI: 90 @3.200 K; 95 @5.600 K
- TM30 Rf: >91 @3.200 K; > 92 @5.600 K
- TM30 Rg: < 101 @3.200 K; < 102 @5.600 K
- Source life expectancy: > 50.000 h

### OPTICS
- Beam angle: 20°
- Field angle: 48°
- 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: 8 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: 550W
- Standby power: 110V (60Hz): 16,8W; 230V (50Hz): 16,7W
- Output (at 230V): 4 units on a single power line
- Power factor: > 0,95

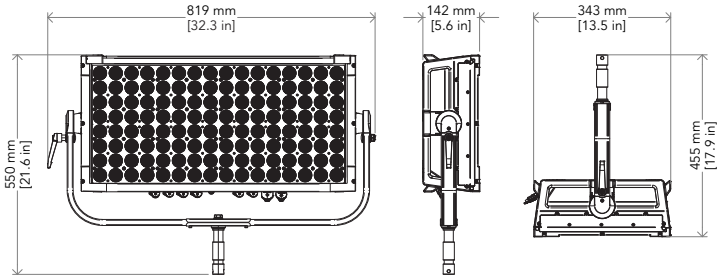
### PHYSICAL
- IP rating: IP65 for temporary outdoor application, not for fixed installations
- Cooling: active, silent operation
- Suspension and fixing: bracket for truss rigging and hardware for connection of more units
- Signal connection: IP65 Seetronic XLR 5p IN/OUT connectors
- Data connection: 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): 819x433x142mm / 32.24"x17.05"x5.59"
- Weight: 19,8kg / 43.65lbs

### CERTIFICATIONS / APPROVALS
- Certifications / Approvals: CE, RCM, FCC, cTUVus

## ACCESSORIES & RELATED PRODUCTS

| | |
|---|---|
| AETHERBOXLITE | 1 Universe CRMX Wireless Transceiver |
| AETHERBOX | IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready |
| FCLPANELIP2X12U | Flight case for 2 pcs of ECLPANELIP2X1HARD or ECLPANELIP2X1SOFT |
| EPIPH2X1DD | Dome Diffuser for ECLPANELIPHARD2X1 series |
| EPIP2X1MB3VH | Modular yoke for ECLPANELIP2X1 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 |
| EPTWCBAG1U | Bag for 1 pc of ECLPANELTWC |
| EPTWCBHEAD | Ball head joint for center mount bracket EPTWCBRK series |
| EPTWCBRKL | Center mount bracket for ECLPANELTWC and ECLPANELTWCJR4X1 |
| ECLPANELPOYO | Pole operated aluminium yoke bracket for ECLPANELTWC |
| EPTWCFILTERHD | Front high diffusion filter (less output) |
| EPTWCFILTERMD | Front medium diffusion filter (included) |
| EPTWCFILTERLD | Front low diffusion filter (more output) |
| ECLFRSPG | Spigot for PROLIGHTS Fresnel series (included) |
| EPTWCJREC30/60 | 30/60 degree egg crate for ECLPANELTWCJR |
| EPTWCJREC8C | 8 chamber egg crate for ECLPANELTWCJR |
| EPTWCBDR2 | Barn door with 4 directional flaps to adjust the light beam |
| EPTWCSB21 | SnapBag 2x1 for ECLPANELTWC by DoP choice |
| EPTWCJRSG4SB2140 | 40° SnapGrid for SnapBag, 2x1 by DoP choice |
| EPTWCJRSG2140 | 40° SnapGrid, 2x1 by DoP choice |
| EPSRER | Rabbit-Ears 2x1 Rectangular for ECLPANELTWC by DoP choice |
| EPSBRL3 | Snapbag Lantern 3' for Rabbit-Ears by DoP choice Incl. Lantern, Backcovers, Carry Bag |
| EPSBRL5C4 | Cover for Snapbag Lantern 5' (EPSBRL5) by DoP choice; 4 sides, adj. with zipper |
| 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) |
| EPSBCFNSM | Diffusion MAGIC cloth for Snapbag 60x90cm (EPTWCSB21) by DoP choice |
| EPSBCFNSF | Diffusion FULL Grid cloth for Snapbag 60x90cm (EPTWCSB21) by DoP choice |
| EPSBCFNSH | Diffusion HALF Grid cloth for Snapbag 60x90cm (EPTWCSB21) by DoP choice |
| EPSBCFNSQ | Diffusion QUARTER Grid cloth for Snapbag 60x90cm (EPTWCSB21) by DoP choice |
| EPSBCFNSQFM | Diffusion cloth SET(1/4,1/1,MAGIC) for Snapbag 60x90cm (EPTWCSB21) by DoP choice |
| EPSBCFNSQHF | Diffusion cloth SET (1/4, 1/2,1/1) for Snapbag 60x90cm (EPTWCSB21) by DoP choice |
| EPTWCJRLANT21 | Snapbag Lantern for ECLPANELTWC by DoP. Incl. Lantern, Backcovers, Carry Bag |
| SPGM12 | 28mm spigot for fixtures, M12 bolt |
| SPGM10 | 28mm spigot for fixtures, M10 bolt |
| 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 |
| LRLUNA | Single Universe DMX transceiver with Bluetooth |
| 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 |
| 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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