



Datasheet

HYDRA PANEL



The HydraPanel is a battery-powered LED panel for film, studio and stage lighting. Included with the HydraPanel are six light modifiers consisting of various Diffusors, EggCrates and a GelHolder. The HydraPanel can be mounted with its FlexBase accessory, Babypin and backside magnet. With the ConnectorPlates, up to four panels can be connected to form one bigger panel. For longer installations it can be wired for power and data via an Astera PowerBox.



App



Wireless DMX



Max 20h



IP65

SPECIFICATIONS

Order Code	FP6
LED Engine	Titan LED Engine
Colors	RGBMintAmber
LED Power Draw	17 W
Luminous Flux 3200K	1102 Lumens
Luminous Flux 4000K	1287 Lumens
Luminous Flux 5500K	1298 Lumens
Light Output 3200 K @ 1m	443 Lux
Light Output 4000 K @ 1m	512 Lux
Light Output 5500 K @ 1m	516 Lux
CRI (Ra)/ TLCI 3200- 6500 K*	≥96
Beam Angle	110° x 100°
Field Angle	150° x 145°
Strobe	0 - 25 Hertz
Pixels	6
Battery Runtime	up to 20 hours
Battery Runtime (max. Brightness)	1 h 45 m
Battery Lifetime	70 % after 300 cycles
Charging Time (nominal)	3 hours
DC Input	24 VDC - 0.85 A
DC Connector	5.5 mm x 2.1 mm
Power Consumption (max.)	17 W
Wired DMX	Yes (via FP1-PWB / FP3-DTL / PWB-2-86 PWB-1-100)
CRMX Receiver	Built-in
BluetoothBridge BTB	Built-in
Wireless Protocols	CRMX, UHF, Bluetooth, WiFi
Wireless Range	CRMX/UHF up to 300 m / 330 yds Bluetooth up to 3 m / 3.3 yds
Infrared Control	Yes
ControlSync	Yes
TouchSlider	Yes
IP Rating unwired	IP65 (only with PB15-PLG)
IP Rating wired with PWB-CAB-5/-10/-15/-0.2	IP65

Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F
Weight	604 g / 1.3 lb
Dimensions (L x W x D)	166 mm x 85 mm x 43.5 mm / 6.53" x 3.34" x 1.71"
Mounting Options	2 x ColdShoe, 3 x M5 thread, 1 x SafetyWire Eyelet

All specifications provided are typical values and maybe subject to change without prior notice.

RF CHARACTERISTICS

Wireless Modules	EU: UHF*** (863-870MHz)	USA: UHF (917-922.20MHz)	AUS: UHF (922.30-927.50MHz)	SGP: UHF (920.50-924.50MHz)	KOR: UHF (917.9-921.5MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	<25mW	<25mW
Channel Count	47	53	53	41	10

Wireless Modules	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 5.0 LE (2402-2480MHz)	WiFi (2412-2472MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	DSSS, OFDM
ERP (Transmitter)	<25mW	<25mW	-	10mW (BLE)	<100mW
Channel Count	6	19	79	40	13

***General allocation of frequencies for use by short-range radio applications

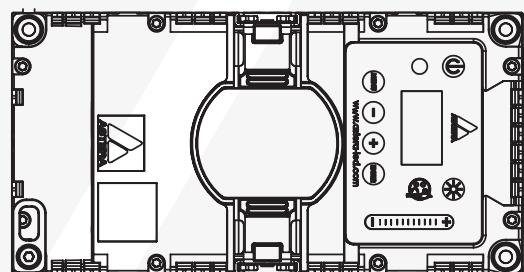
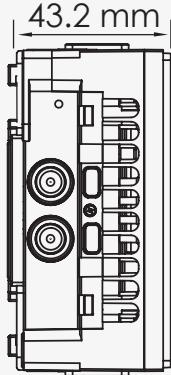
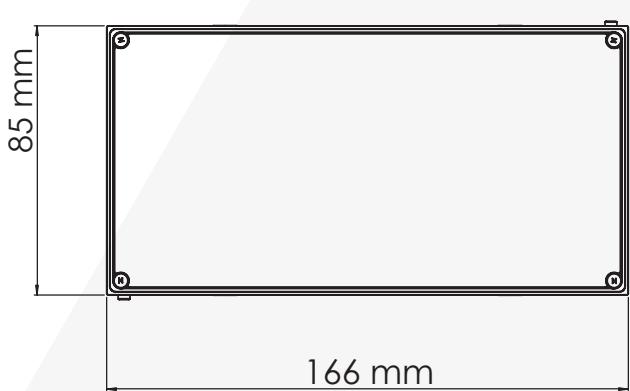
HYDRAPANEL AS BLUETOOTH BRIDGE

Connect the App directly to a HydraPanel via Bluetooth.

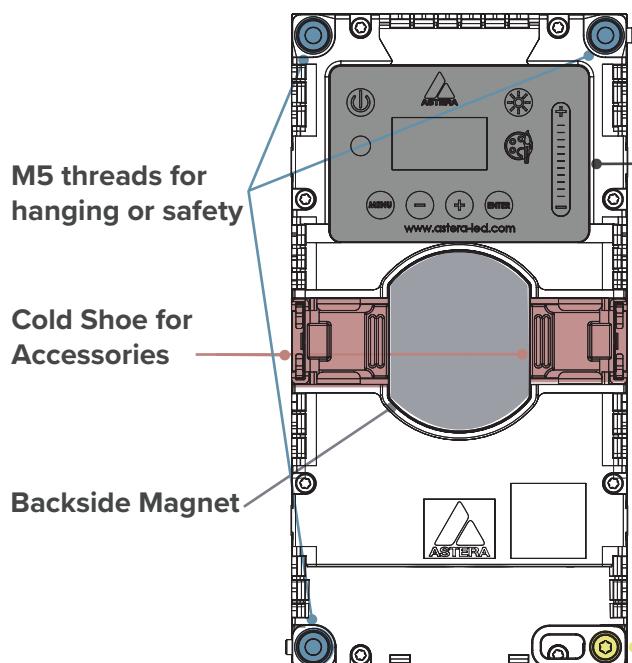
This light will then transmit commands from the AsteraApp to all other HydraPanels and other Astera lights via the UHF band.



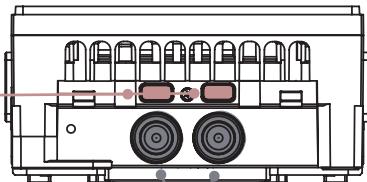
DRAWINGS



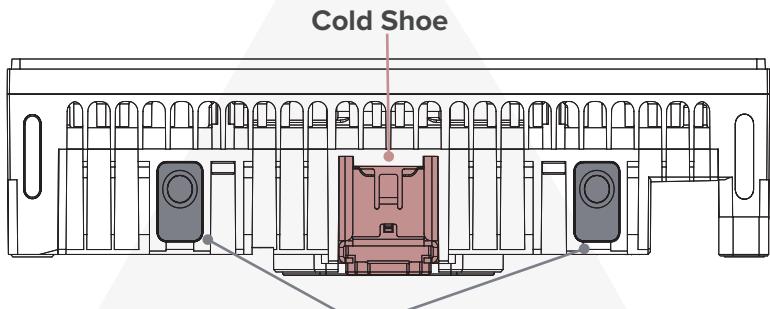
BUILT-IN FEATURES



Charging Contacts



Power+Data IN/OUT



Cold Shoe

IR Contacts for ControlSync*

*Connected lights synchronize all brightness and color adjustments from the keypad.

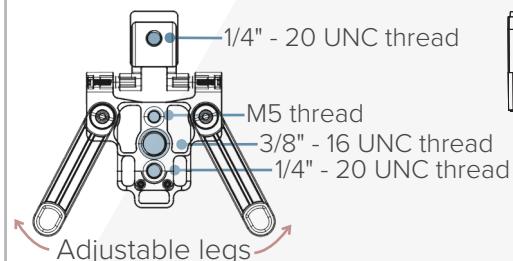
ACCESSORIES

FlexBase
FP6-FB

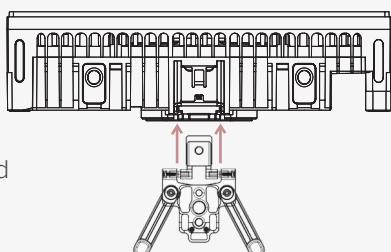
included



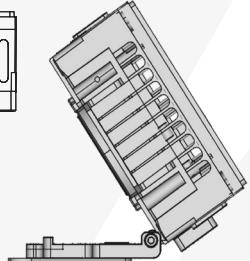
Mounting points



Slide into Cold Shoe

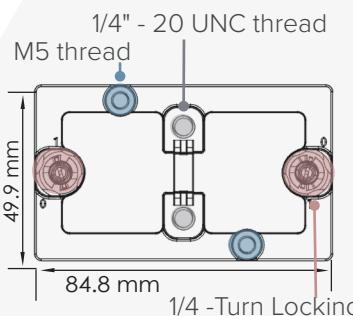


Tiltable

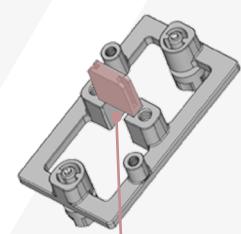
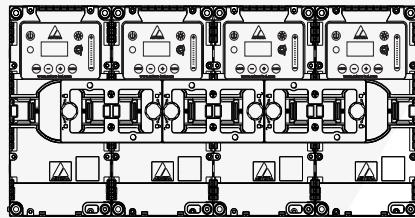


ConnectorPlate
FP6-CP

included



Connect up to 4 HydraPanels



Cold Shoe connector

BabyPin 1/4"
AX-BBP-1/4

included



200 mm Power / DataCombination Cable
PWB-CAB-0.2



Power Supply for Helios / Titan Tube
FP1-CHR



Power Supply for Hyperion Tube
FP3-CHR



EyeBolt
FP1-EBLT



SNAPBAG by DoPchoice
SBATHY11



CASES EMPTY

Single Unit Case
FP6-CSE-1



Charging Case for 4
FP6-CHRCSE-4



KITS FULL

Single Unit Kit
FP6-SET-1



Kit for 4
FP6-SET-4



LIGHT MODIFIERS

SoftFrame 100
FP6-SF-100



all included

Intensifier 80
FP6-INT-80



EggCrate 40

FP6-EGC-40



EggCrate 60

FP6-EGC-60



DiffusorSheet 100

FP6-DS-100



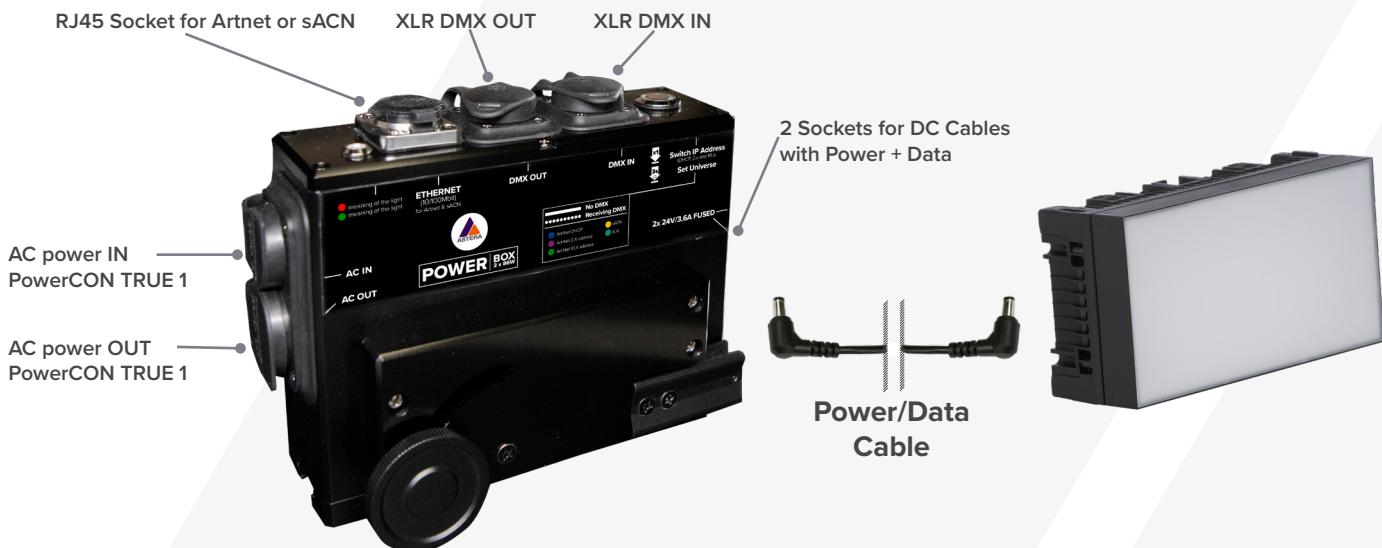
GelHolder

FP6-GH

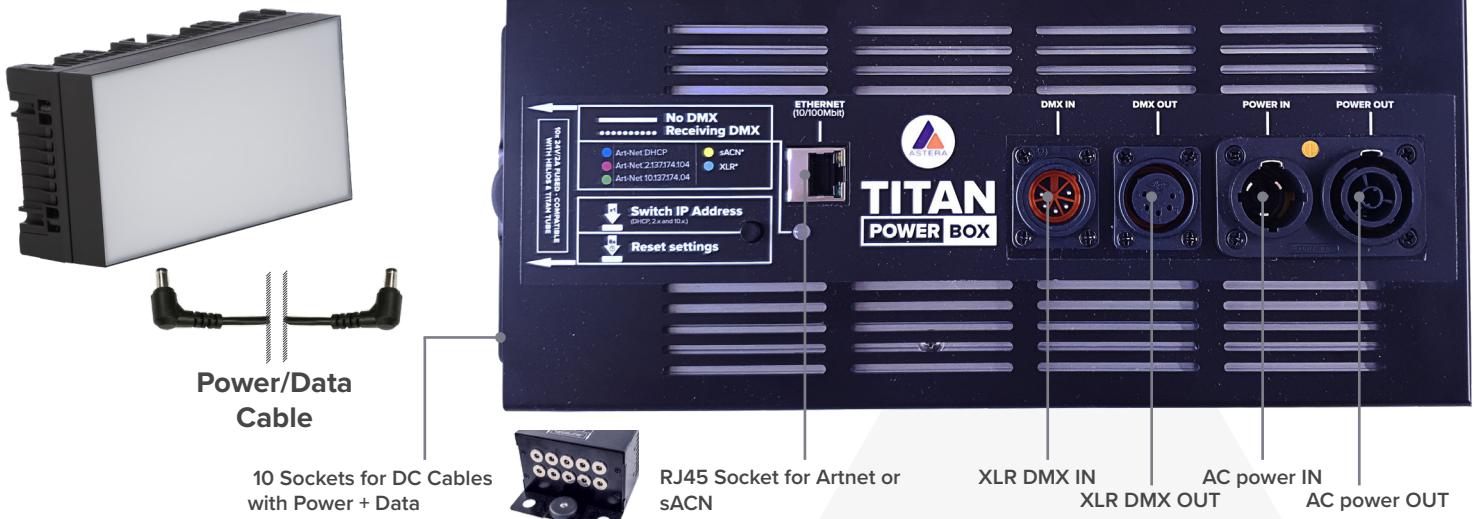


CHARGING & CONNECTING

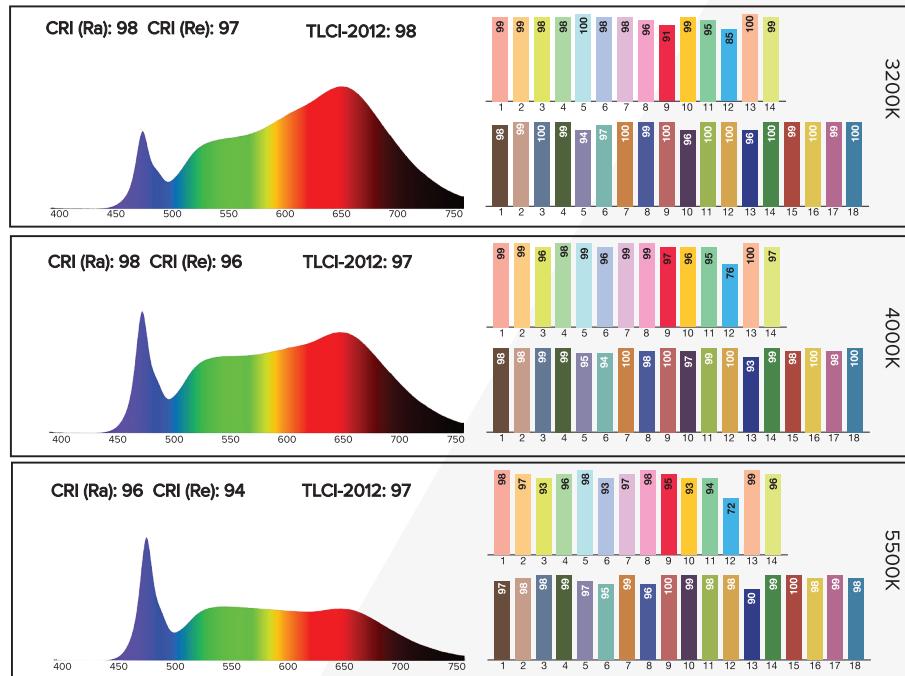
With PowerBox 2x86 (PWB-2-86) up to four HydraPanels can be connected per output



With Titan PowerBox (FP1-PWB) up to two HydraPanels can be connected per output



TYPICAL SPECTRAS



Typical values