Datasheet HYPERION TUBE

Date: 3-Jun-2025 Version: 4.0

After the enormous success of the Titan Tube, Astera has created the double length Hyperion Tube, which measures just over 2 meters and around 80 inches. Double the LEDs, double the batteries, double the brightness, double the pixels and the same high-quality light with App, CRMX and on-tube control and wired DMX option.

App | Wireless DMX | Max 20h | IP65

SPECIFICATIONS

Please note that due to a component shortage we had to do internal changes to Hyperion Tube and units manufactured after September 2021 have the BTB feature built-in and are now called FP3-BTB.

	Hyperion Tube	Hyperion Tube BTB
Order Code	FP3	FP3-BTB
LED Engine	Titan LED Engine	
Colors	RGBMintAmber	
LED Power Draw	92 W	
Luminous Flux 4000 K	5 800 Lumens	
Light Output 4000 K @ 1 m	1 570 Lux	
CRI (Ra)/ TLCI 3200 - 6500 K*	≥96	
Beam Angle	135° x 115°	
Field Angle	175° x 160°	
Strobe	0 - 25 Hertz	
Pixels	32	
Battery Runtime	up to 20 hours	
Battery Lifetime	70 % after 300 cycles	
Charging Time (nominal)	3 hours	
DC Input	24 VDC - 4 A	
DC Connector	5.5 mm x 2.1 mm	
Power Consumption (max.)	96 W	
Wired DMX	Yes (via FP3-DTL / PWB-2-86 / PWB-1-100)	
CRMX Receiver	Built-in	
BluetoothBridge BTB	No	Built-in
Wireless Protocols	CRMX, UHF	CRMX, UHF, Bluetooth, WiFi
Wireless Range	CRMX/UHF up to 300 m / 330 yds	CRMX/UHF up to 300 m / 330 yds Bluetooth up to 3 m / 3.3 yds
Infrared Control	Yes	
IP Rating	IP65 (only with FP1-SP)	
Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F	

Weight	2.9 kg / 6.39 lbs
Dimensions	2 031 mm x Ø 43 mm / 79.9" x Ø 1.7"
Mounting Options	2x M5 thread, 2x TubeHolder (with 2x M5 and 1x 1/4" - 20 UNC thread)

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

RF CHARACTERISTICS FP3

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)
Modulation	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	-
Channel Count	6	19	79

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

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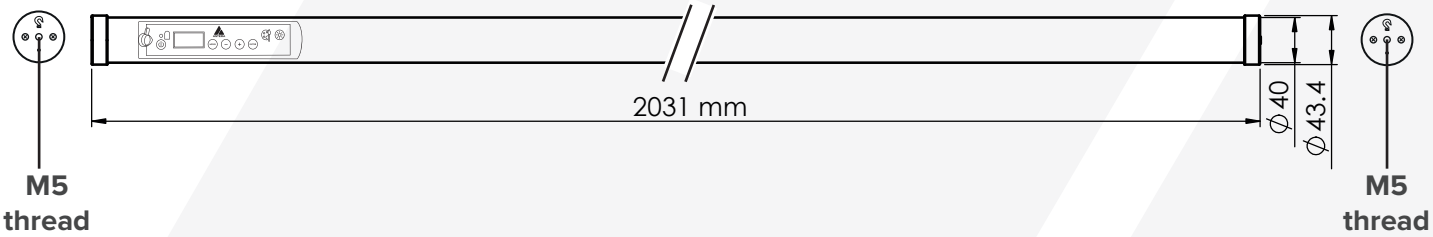
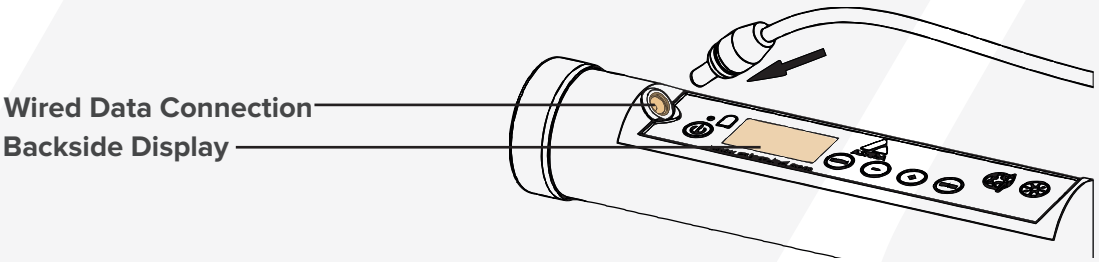
Channel Count	47	53	53	41	10

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

DRAWINGS



CONNECTIONS + DISPLAY



ACCESSORIES

TubeHolder
AX1-H

WingPlate
AX1-WP

CrossPlate
AX1-CP

BabyPin
FP1-BLT

EyeBolt
FP1-EBLT

Waterproof Protection Cover
FP1/2-SP

Titan Power/Data Combination Cable 5/10/15 m
FP1-PWB-CAB-5/10/15

Extension Cable for Helios, Titan, Hyperion Tube 5m
FP1-EXC

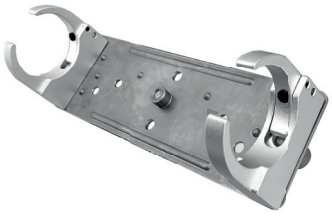
ChargingCase
FP3-CHRCSE

Weight (empty): 13 kg / 28.7 lbs
Weight (full): 34.4 kg / 75.8 lbs

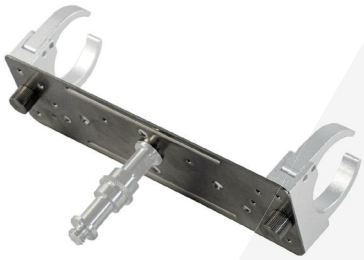
Dimensions
22262 mm x 394 mm x 149 mm / 89.05" x 15.51" x 5.86"

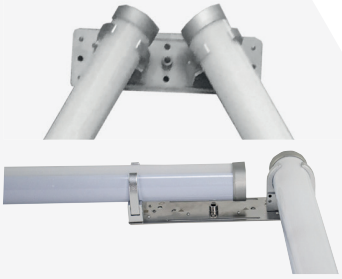
FEATURES

Fix tubes via screws or BabyPin to walls and structures



Hang one Tube with BabyPin or connect several Tubes





Holds up to 4 Tubes

Hyperion Tube Kit

FP3-SET

Can hold

1x FP3 Hyperion Tube
(FP3)

2x TubeHolder
(AX1-H)

2x EyeBolts
(FP1-EBLT)

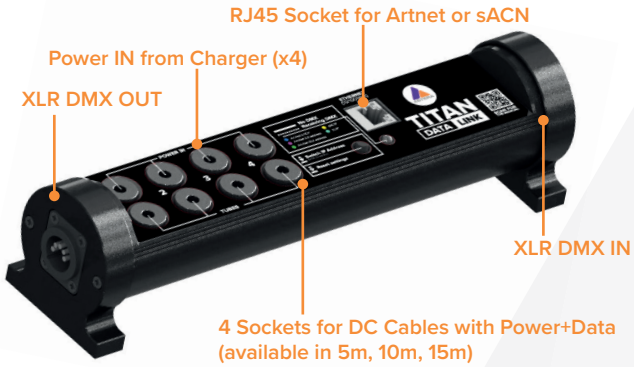
1x DC Socket Cover
(FP1/2-SP)

CHARGING & CONNECTING

DATALINK

FP3-DTL

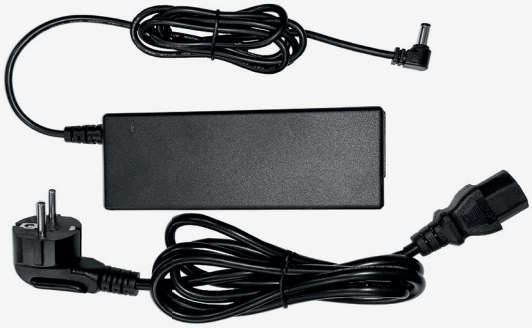
Required device to send wired DMX to Hyperion Tube. Also useful for Titan Tube and Helios Tube if no Titan PowerBox is available or to work with multiple universes on one PowerBox.



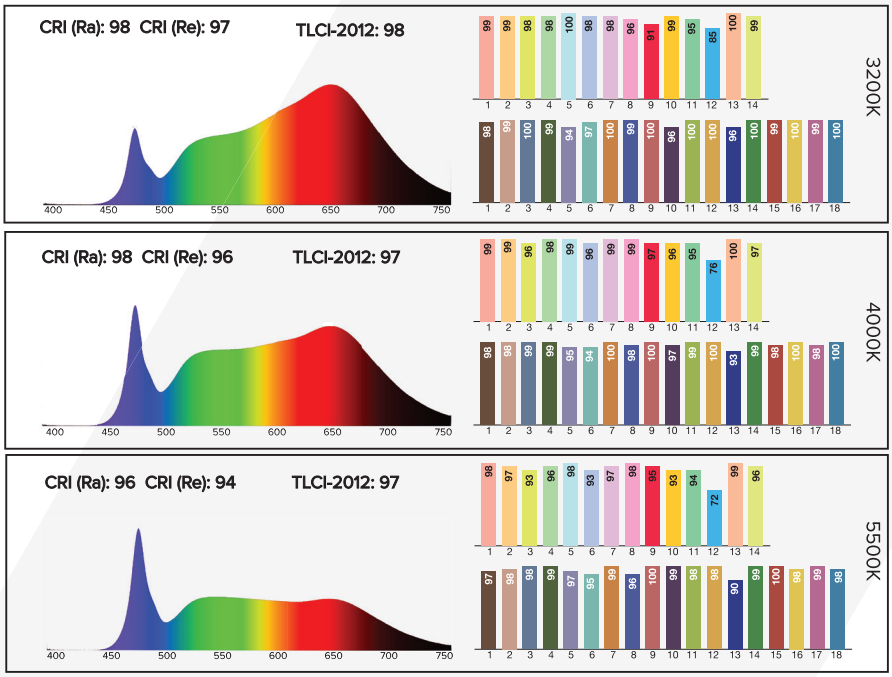
POWER SUPPLY FOR HYPERION TUBE

FP3-CHR

AC to DC power converter to charge 1 Hyperion Tube or to wire it for a longer installation.



TYPICAL SPECTRAS



Typical values