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HYPERION TUBE BTB



English

Deutsch

Italiano

Espanol

Francais

Chinese

Users Manual

Gebrauchsanleitung

Manuale di istruzioni

Manual de instrucciones

Manuel d'instructions

使用说明书

ORDER CODE:
FP3

MANUAL VERSION: 1.0

DATE OF ISSUE: 07.07.2022



www.astera-led.com/hyperion

NOTE / HINWEIS / NOTA

Bluetooth Bridge built-in with this logo
Integrierte Bluetooth Bridge mit diesem Logo
Bluetooth Bridge integrato con questo logo

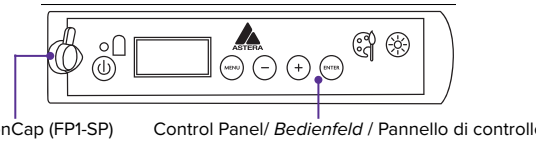


CONTENT / LIEFERUMFANG / VOLUME DI FORNITURA

1.: Hyperion Tube BTB (FP3-BTB)
2.: 2x Eye Bolt (FP1-EBLT)
3.: 2x TubeHolder (AX1-H)
4.: SiliconCap (FP1-SP)
5.: Users Manual / Gebrauchsanleitung / Manuale di istruzioni

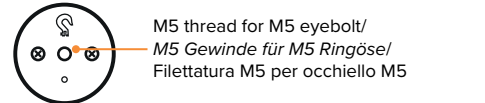
PRODUCT OVERVIEW / PRODUKTÜBERSICHT / PANORAMICA PRODOTTI

Back / Rückseite / Retro:



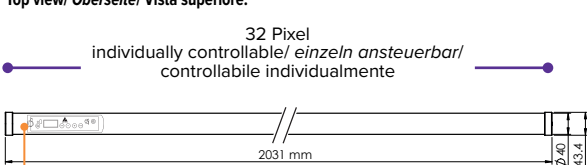
SiliconCap (FP1-SP) Control Panel/ Bedienfeld / Pannello di controllo

Side view/ Seitenansicht/ Vista laterale:



M5 thread for M5 eyebolt/
M5 Gewinde für M5 Ringöse/
Filettatura M5 per occhio M5

Top view/ Oberseite/ Vista superiore:



32 Pixel
individually controllable/ einzeln ansteuerbar/
controllabile individualmente

1. Pixel

USAGE / BEDIENTUNG / IMPIEGO

1. Integrated control panel / Integriertes Systemmenü / Menu di sistema integrato

Use the menu buttons to navigate through the main menu. Settings for color adjustment and brightness / runtime are directly accessible by two symbol buttons.

Verwenden Sie die Menü-Tasten, um durch das Hauptmenü zu navigieren. Die Einstellungen für Lichtfarbe und Helligkeit/ Laufzeit können mit den beiden Symboltasten direkt aufgerufen werden.

Usare i tasti del menu per navigare all'interno del menu principale. L'impostazione del colore della luce e della luminosità/durata può essere attivata direttamente con i due tasti con i simboli.

Top navigation / In der Hauptnavigation / Navigazione principale:	Inside Main Menu / Im Hauptmenü / Menu principale:
On/Off / Ein/Aus / Accensione o spegnimento	
Main Menu / Hauptmenü aufrufen / Menu principale	Back to previous menu / Zurück zum vorherigen Menüpunkt / Ritorno alla voce di menu precedente
Reset Settings / Einstellungen zurücksetzen / Reimpostare le impostazioni	Scroll down / Runter scrollen / scorrere verso il basso
Change Input Select / Eingangssignal ändern / Cambiare il segnale d'ingresso	Scroll up / Hoch scrollen / scorrere verso l'alto
Set DMX Address / DMX Adresse einstellen / Impostare l'indirizzo DMX	Choose/Confirm / Auswählen/Bestätigen / Scegliere/Confermare
Color adjustment / Farbeinstellungen / Impostazioni colore	
Brightness and runtime control / Helligkeits- und Laufzeitsteuerung / Luminosità e controllo del tempo di esecuzione	

2. More control options / Weitere Steuerungsmöglichkeiten / Altre opzioni di controllo

On/Off, Static Colors, Preprogrammed Effects
Ein/Aus, statische Farben, vorprogrammierte Effekte
On/Off, Colori statici, Colori programmati

All settings, Complex effects, Talkback+, Updates
Alle Einstellungen, Komplexe Effekte, Talkback+, Updates
Impostazioni, Effetti complessi, Talkback, Updates

Control from DMX consoles via CRMX or Wireless DMX
Steuerung mit DMX-Konsolen über CRMX oder Wireless DMX
Comando delle consolle DMX tramite CRMX o Wireless DMX

Control from DMX consoles via DataLink and Power/Data Combination Cable
Steuerung mit DMX Konsolen via DataLink und Power/Data Combination Cable
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3. Switching On/Off / Ein-/Aus-schalten / Accensione o spegnimento

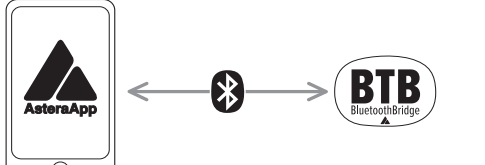
ON

OFF

A new Hyperion Tube BTB needs a few seconds of charge to disable its shipping mode before it can be switched on.
Laden Sie neue Hyperion Tube BTB für mehrere Sekunden, um den Versandmodus zu beenden.

Caricare nuove Hyperion Tube BTB per diversi secondi per porre fine alla modalità di spedizione.

4. Connect BTB / BTB verbinden / Collegare BTB

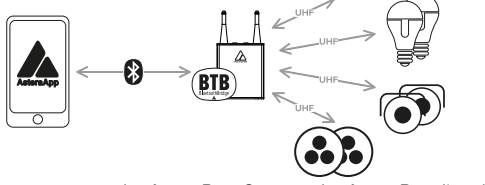


To control your lights with the AsteraApp, first connect a Bluetooth Bridge (BTB). It forwards the AsteraApp signal to paired lights. You may use an AsteraBox as BTB or choose a light with built-in BTB, like AX9, NYX Bulb, PixelBrick, Hyperion Tube BTB, Titan Tube BTB.

Um Ihre Lampen mit der AsteraApp zu steuern, verbinden Sie zuerst eine Bluetooth Bridge (BTB). Sie leitet das AsteraApp-Signal an alle gepaarten Lampen weiter. Sie können eine AsteraBox als BTB verwenden oder eine Lampe mit eingebauter BTB wählen, wie z.B. AX9, NYXBulb, PixelBrick, Hyperion Tube BTB, Titan Tube BTB.

Per controllare le luci lampate con l'App Astera, collega prima un bridge Bluetooth (BTB). Inoltre il segnale AsteraApp a tutte le luci abinate. Puoi utilizzare un AsteraBox come BTB o scegliere una lampada con BTB integrato, come AX9, NYXBulb, PixelBrick, Hyperion Tube BTB, Titan Tube BTB.

Connect AsteraBox as BTB / AsteraBox als BTB verbinden / Collega l'AsteraBox come BTB



Please power on the AsteraBox. Connect the AsteraBox directly from the AsteraApp main menu by following the instructions there.

Bitte schalten Sie die AsteraBox ein. Verbinden Sie die AsteraBox direkt aus dem Hauptmenü der AsteraApp, indem Sie den dortigen Anweisungen folgen.

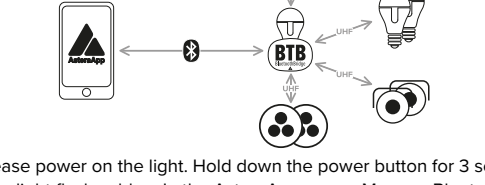
Si prega di accendere l'AsteraBox. Collega AsteraBox direttamente dal menu principale di AsteraApp seguendo le istruzioni presenti.

Connect light as BTB / Mit Leuchte als BTB verbinden / Collegamento della luce come BTB

Please note: This ONLY works for Astera lights with built-in Bluetooth. For all other Astera lights, please use an AsteraBox as BTB.

Beachten Sie bitte: Dies gilt NUR für Astera Leuchten mit integriertem Bluetooth. Für alle anderen Astera Leuchten, verwenden Sie eine AsteraBox als BTB.

Nota: funziona SOLO per luci Astera con Bluetooth integrato. Per tutte le altre luci Astera, utilizzare un AsteraBox come BTB.



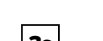
Please power on the light. Hold down the power button for 3 seconds until the light flashes blue. In the AsteraApp press „Manage Bluetooth Bridges“, then “+” and follow instructions on screen to connect. The light which is connected as BTB shows a small blue Bluetooth Icon next to the lamp icon in the app.

Schalten Sie die Leuchte ein. Halten Sie die Einschalttaste drei Sekunden lang gedrückt, bis die Leuchte blau blinkt. Drücken Sie in der AsteraApp auf „Manage Bluetooth Bridges“, dann auf „+“ und folgen Sie den Anweisungen auf dem Bildschirm, um eine Verbindung herzustellen. Die Leuchte, die als BTB verbunden ist, zeigt ein kleines blaues Bluetooth-Symbol neben dem Leuchtsymbol in der App an.

Accendere la luce. Tenere premuto il pulsante di alimentazione per 3 secondi fino a che la luce lampeggia in blu. In AsteraApp premere „Manage Bluetooth Bridges“ (Gestisci Bluetooth Bridge), quindi “+” e seguire le istruzioni sullo schermo per collegarsi. Per la luce collegata come BTB viene visualizzata una piccola icona Bluetooth blu accanto all'icona della lampada nell'app.

Accendere la luce. Tenere premuto il pulsante di alimentazione per 3 secondi fino a che la luce lampeggia in blu. In AsteraApp premere „Manage Bluetooth Bridges“ (Gestisci Bluetooth Bridge), quindi “+” e seguire le istruzioni sullo schermo per collegarsi.

Per la luce collegata come BTB viene visualizzata una piccola icona Bluetooth blu accanto all'icona della lampada nell'app.



Hyperion Tube BTB 2. AsteraApp 3. AsteraApp

To disable the BTB again press UNBOND BLUETOOTH in the AsteraApp.

Um die BTB zu deaktivieren, drücken Sie UNBOND BLUETOOTH in der AsteraApp.

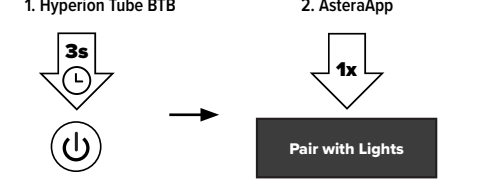
Per disabilitare di nuovo il BTB premere UNBOND BLUETOOTH (scoppia bluetooth) in AsteraApp.

5. Pair with lights / Lampen paaren / Coppia con le luci

Power on the light. Then hold down the power button for 3 seconds until the light flashes blue. Go to “Pair with Lights” dialog in the AsteraApp. Then press OK.

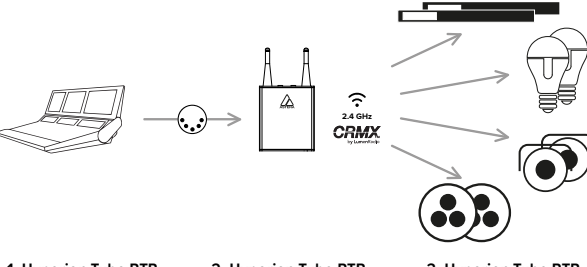
Schalten Sie die Lampe ein. Halten Sie dann den Netzschalter 3 Sekunden lang gedrückt, bis das Licht blau blinkt. Gehen Sie in der AsteraApp zum Dialog „Mit Lichtern koppeln“. Drücken Sie dann OK.

Accendi la luce. Quindi tieni premuto il pulsante di accensione per 3 secondi finché la luce non lampeggia in blu. Vai alla finestra di dialogo „Accoppia con le luci“ nell'App Astera. Quindi premere OK.



Hyperion Tube BTB 2. AsteraApp Pair with Lights

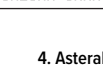
6. Linking to a CRMX transmitter / Lampe mit CRMX Sender verbinden / Collegare con il trasmettitore CRMX



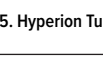
Hyperion Tube BTB 2. Hyperion Tube BTB 3. Hyperion Tube BTB



Hyperion Tube BTB 2. Hyperion Tube BTB 3. Hyperion Tube BTB



AsteraBox 2. Hyperion Tube BTB 3. Hyperion Tube BTB



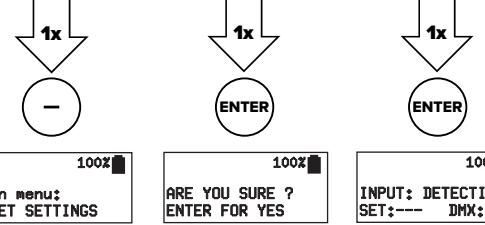
Hyperion Tube BTB 2. Hyperion Tube BTB 3. Hyperion Tube BTB

7. Reset / Zurücksetzen / Reset

RESET to unlink CRMX and unbond Bluetooth. Sets „Input Select“ to „AUTO“ and runtime to 5h.

RESET, um CRMX zu entkoppeln. Stellt „Eingangssquelle“ auf „AUTO“ ein und die Laufzeit auf 5 Stunden.

RESET per scollegare CRMX. Imposta „Input Select“ su „AUTO“ e il tempo di esecuzione su 5h.



Hyperion Tube BTB 2. Hyperion Tube BTB 3. Hyperion Tube BTB

8. Charging / Laden / Ricarica

While the power cable is connected, the display shows the charging status. Charge immediately when the battery is empty. Do not store the unit when the battery is empty. Charging time is approximately 3 hours.

Während das Netzkabel eingesteckt ist, wird der Ladezustand auf dem Display angezeigt. Laden Sie das Gerät, sobald der Akku leer ist und lagern Sie das Gerät nicht mit leerem Akku. Die Ladezeit beträgt etwa 3 Stunden.

Finché il cavo di alimentazione è inserito nella presa, sul display viene indicato lo stato di carica. Ricaricare il dispositivo non appena si scarica la batteria e non conservare il dispositivo con la batteria scarica. Il tempo di ricarica è circa 3 ore.

9. Rigging / Rigen / Rigging

The Hyperion Tube BTB can be hung via a M5 eyebolt or two TubeHolders. The TubeHolders have a 1/4" 20UNC thread and two M5 threads for attaching mounting accessories or SafetyEyebolts. Only use the TubeHolder with the SafetySplit.

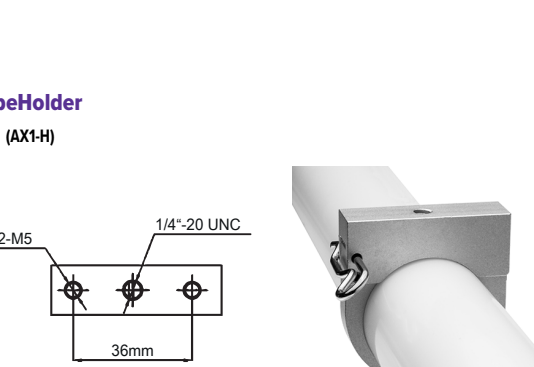
When hanging a Hyperion Tube BTB via its eyebolt, make sure to use a secondary safety spot (e.g. via AX1-H). Make sure the light cannot drop more than 20cm if primary mounting fails.

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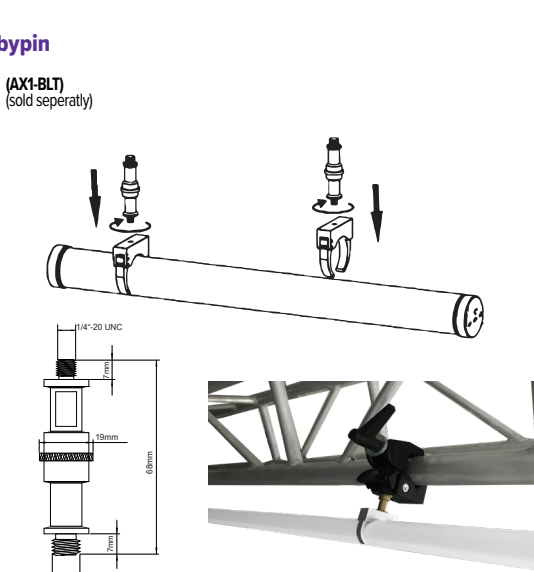
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TubeHolder (AX1-H)

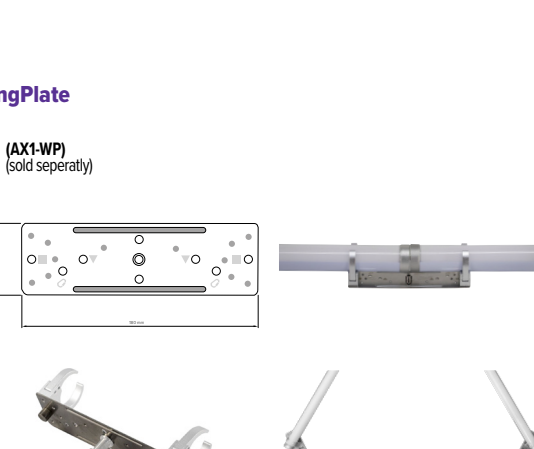


10. Optional available mounting accessories / Optional erhältliches Montagezubehör / Accessori di montaggio opzionali disponibili

Babypin (AX1-BLT) (sold separately)



WingPlate (AX1-WP) (sold separately)



A mounting holder for 2 AX1 holders (AX1-H) with backside 1/4"-20 thread for AX1 double-ended spigot (AX1-BLT). Can be used to hang or mount tubes and create shapes such as triangles and squares out of multiple tubes.

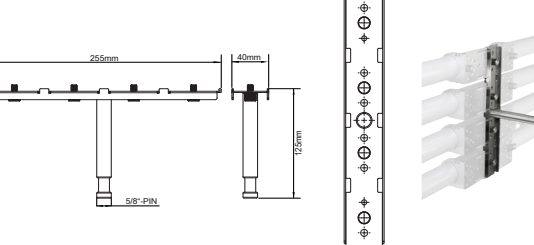
Ein Montagehalter für 2 AX1 Halter (AX1-H) mit rückseitigem 1/4"-20 Gewinde für einen doppelseitigen Zapfen (AX1-BLT). Kann verwendet werden, um Tubes aufzuhängen oder zu montieren und aus mehreren Tubes Formen wie Dreiecke und Quadrate zu erstellen.

Un supporto di montaggio per 2 supporti AX1 (AX1-H) con filettatura posteriore 1/4"-20 per codolo a doppia estremità AX1 (AX1-BLT). Può essere utilizzato per appendere o montare tubi e creare forme come triangoli e quadrati da più tubi.

CrossPlate



AX1-CP (sold separately)



Up to 4 WingPlates can be mounted onto one CrossPlate so Tubes can be mounted in parallel to create a 4-Bank. To hold the additional weight the CrossPlate has a 5/8" Babypin welded onto its backside. NOTE: The CrossPlate needs WingPlates (AX1-WP) that are supplied separately.

Bis zu 4 WingPlates können auf einer CrossPlate montiert werden, sodass Tubes parallel montiert werden können, um eine 4-Bank zu erstellen. Um das zusätzliche Gewicht zu halten, ist auf der Rückseite der CrossPlate ein 5/8" Babypin aufgeschweißt.

HINWEIS: Die CrossPlate benötigt WingPlates (AX1-WP), die separat geliefert werden.

È possibile montare fino a 4 WingPlates su un CrossPlate in modo che i Tubes possano essere montati in parallelo per creare un 4-Bank. Per sostenere il peso aggiuntivo, la piastra trasversale ha un babypin da 5/8" saldato sul retro.

NOTA: Il CrossPlate necessita di WingPlates (AX1-WP) che vengono forniti separatamente.

--- English ---

INTRODUCTION / INTENDED USE

The Hyperion Tube BTB from ASTERA is a LED tubelight for professional use in the event and film business. The Hyperion Tube BTB is designed for direct or indirect illumination of objects or sceneries. Due to its built-in battery it can be quickly set up at places where traditional lights cannot be mounted easily. The Hyperion Tube BTB has the Titan LED Engine and offers excellent color and light values. The Hyperion Tube BTB generates white or colored light and the color temperature can be adjusted in many ways. The Hyperion Tube BTB can be controlled with the AsteraApp or with wired DMX or wireless CRMX. The device can also be controlled by the integrated display or by infrared remote control.

The Hyperion Tube BTB can be used in multiple ways, including hanging. For this purpose, the device is equipped with M5 threads on both sides. The Hyperion Tube BTB can be used indoors and outdoors and has an IP65 rating (only with SiliconCap FP1-SP) on DC socket).

Do not shake the device. Avoid brute force when installing or operating the device.

When choosing the installation spot, please make sure that the device is not exposed to extreme heat or dust. Avoid direct sunlight for a longer period of time.

The specified ambient temperature must be maintained. Keep away from direct insulation (particularly in cars) and heaters.

Never use the device during thunderstorms connected to the power mains. Overvoltage could destroy the device. Always disconnect the device during thunderstorms.

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.

Always fix the fixture with an appropriate safety wire.

Operate the device only after having become familiarized with its functions.

Please consider that unauthorized modifications on the device are not allowed due to safety reasons! If this device will be operated in any way different to the one described in this manual, the product may suffer damages and voids the warranty. The disclaimer includes all damages, liability or injury resulting from failure to follow the instructions in this manual. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc. This device is not for household use and is not suitable for permanent installation.

SAFETY INFORMATION

Before you operate this unit read the manual carefully. Always make sure to include the manual if you pass/ rent/ sell the unit to another user. Please use your own caution when operating. This product is for professional use only. It is not for household use.

- Do not operate the unit in areas of high temperature conditions or under direct sunlight. It may cause abnormal behavior or damage the product.
- Always use a suitable safety wire when mounting the light overhead.
- Connect the safety wire only to the intended safety mount.
- Always follow local safety requirements.
- Only authorized personal may service the battery.
- Do not place in fire or heat.
- Do not use or charge the light if it is damaged.
- Avoid bumping or plunging, it may cause fire or explosion.
- Never store the battery when fully drained. Always recharge immediately when empty. Please do not charge unattended.
- Make sure to fully charge all units before storing them.
- Partially charged batteries will lose capacity.
- Fully recharge every 6 months if not used.
- The battery may only be replaced with an original spare part from Astera.
- It is recommended to charge at a temperature between 15°C and 35°C.

Warning: In extreme cases, abuse or misuse of standard/rechargeable batteries can lead to:

- Explosion
- Fire development
- Heat generation or smoke and gas development.

- Do not directly look into the light.
- It can cause harm to your eyes.
- Do not look at the LEDs with a magnifying glass or any other optical instrument that may concentrate the light output.
- Use only Astera approved accessories to diffuse or modify the light beam.

- Do not open the product housing.
- Do not apply power if the light is damaged.
- Do not submerge the light into any liquid.
- Do not replace the LED light source.
- Caution, risk of electric shock.

The Hyperion Tube BTB shall be installed near the socket-outlet which shall be easily accessible.

Warning: risk of electric shock - Do not open device.

- The exterior surfaces of the light can become hot, up to 70°C (158°F) during normal operation.
- Ensure that accidental physical contact with the device is impossible.
- Install only in ventilated locations.
- Do not cover the light.
- Allow all lights to cool before touching.
- Keep 0.3m (12in) from objects to be illuminated.

CLEANING AND MAINTAINING

Caution: Liquids entering the housing of the device can cause a short circuit and damage the electronics. Do not use any cleaning agents or solvents. Only clean using a soft damp cloth.

SECONDARY SAFETY MOUNTING

The Hyperion Tube BTB must always be secured by a safety wire when used in a hanging position. If the primary suspension fails, the device must not fall more than 20cm.

Use Eyebolts and M5 threads on the sides. Please check the safety regulations in your region.

Problem	Possible cause	Solution
The fixture does not turn on.	The battery may be empty.	Connect to the AC and try again.
The fixture turns on and the display is on, but the LEDs do not emit light.	The fixture could be set to BLACKOUT mode. Set to display black color or is operating in DMX mode and doesn't receive a valid signal.	It is good practice to do a RESET SETTINGS.
The fixture is not working correctly, it does not display the color or effect chosen.	The fixture may still be operating under a previous setting.	It is good practice to do a RESET SETTINGS between setups.
The power cable is connected but the fixture is not charging.	The battery may be fully charged.	The fixture will only commence charging when its battery has a temperature of 45°C or less. Turn the fixture off and let it cool down; once cold enough, it will start charging.

DISPOSAL

- The light contains a lithium ion battery.
- Don't throw the unit into the garbage at the end of its lifetime.
- Make sure to dispose as according to your local ordinances and/or regulations, to avoid polluting the environment.
- The packaging is recyclable and can be disposed.

MANUFACTURER DECLARATION

Hereby, Astera LED Technology GmbH declares that the type of radio equipment Hyperion Tube BTB complies with Directive 2014/53 / EU. The full text of the EU Declaration of Conformity is available at the following Internet address: <https://astera-led.com/hyperion>.

Astera LED Technology GmbH declares that this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

SPECIFICATIONS - TECHNICAL DATA	
Order Code	FP3-BTB
LED Engine	Titan LED Engine
Colors	RGBMintAmber
Total LED Power	144 W
LED Power Draw	92 W
Light Output 4000K*	5800 lm, 1570 lx @ 1m
CRI(Ra) / TLCl 3200-6500K*	≥96
Beam Angle / Field Angle	135° x 115° / 175° x 160°
Strobe	0 - 25Hz
Pixel	32
Battery Runtime	up to 20 hours
Battery Lifetime	70 % after 300 cycles
Charging Time (nominal)	3 hours
DC Input	24 V, 4 A
Wired DMX	Yes
CRMX Receiver	Built-in
BluetoothBridge (BTB)	Built-in
Wireless Frequencies	CRMX, UHF, Bluetooth, Wifi
Range	CRMX / UHF: up to 300 m / 330 yds Bluetooth: up to 3 m / 3.3 yds
Housing Material	Polycarbonate, metal end caps
IP Rating	IP65 (only with FP1-SP)
Ambient Temperature	0 - 40 °C / 32 - 104 °F
Weight	2.9 kg / 6.39 lbs
Dimensions	Ø43 x 2031 mm / Ø1.7" x H79.9"

*Typical value