Getting to know the 4 Tubes
All lights are IP65
What does that mean?

Rain Test vs IP65
We do both

Limitations
Breather not underwater
Tubes
DC connectors & rubber cap
Wired only indoors
Charging

How to Charge

• Charging cases
• Separate chargers / Cables
• Lid stays open for safety and monitoring
• Check if charge was successful
• 3h charging time
• Titan works with AX1 charger but slower.

• Titan, Helios and AX1 have similar charging
• Hyperion charging with IEC connector

Lights are usually sold together with Charging / transportation case
Lights are usually sold together with Charging / transportation case

Limitations

- Battery temperature between 0°C and 45°C
- Warehouse not too cold or too hot
- LED must be dark

→ Reliable charging only powered off

- Don’t store empty
Fixed Installation?

- Batteries would die over time
- AC FAIL: BLACKOUT vs POWEROFF
- AC FAIL: EMERGENCY LIGHT

→ FIXED INSTALL NOT RECOMMENDED

- AUTO STANDBY on DMX loss
Hyperion Tube

Runtime

- From a full charged battery
- By App or on the Display
- By ARC1: 5h, 8h, 12h
- Boost mode: 1:45h
3 very different control methods, each one offers its own advantages and is used for different scenarios.
The Astera System

Combining 3 control methods
All wireless controllers work together
Bi-directional communication
ART7 is gateway for 2 protocols so you only need 1 box

The Astera system gets the most out of 3 control methods and helps to save time and stay flexible
Astera now has 4 unique tubes for different uses

- 4 unique tubes
- For event and film markets
- Same diameter so accessories are compatible
- Titan Tube advantages:
  - Backside display
  - High CRI/TLCI
  - Boost mode for 1:45 h with 2.8x the brightness in white
  - Wired DMX via PowerBox
The AX1 is a creative lighting tool that is used by lighting designers, event production, film lighting etc.

- 16 pixels
- RGBW
- 28W total
- 16W power draw

Originally designed for events, also suitable for filming
Titan Family

- Available in 3 lengths
- First Astera products designed for Film/Broadcasting
## Tube Overview

<table>
<thead>
<tr>
<th></th>
<th>HELIOS TUBE</th>
<th>TITAN TUBE</th>
<th>HYPERION TUBE</th>
<th>AX1 PIXEL TUBE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size (mm)</strong></td>
<td>Ø42 x 550</td>
<td>Ø42 x 1,035</td>
<td>Ø42 x 2,031</td>
<td>Ø42 x 1,035</td>
</tr>
<tr>
<td><strong>Total LED power</strong></td>
<td>36W</td>
<td>72W</td>
<td>144W</td>
<td>28W</td>
</tr>
<tr>
<td><strong>Max Draw Power</strong></td>
<td>24W</td>
<td>48W</td>
<td>96W</td>
<td>16W</td>
</tr>
<tr>
<td><strong>Brightness in white</strong></td>
<td>1340Lm</td>
<td>2900Lm</td>
<td>5800Lm</td>
<td>955Lm</td>
</tr>
<tr>
<td><strong>Illuminants</strong></td>
<td>Red, Green, Blue, Mint, Amber</td>
<td></td>
<td></td>
<td>RGBW</td>
</tr>
<tr>
<td><strong>CRI</strong></td>
<td>≥96</td>
<td></td>
<td>≥96</td>
<td>≥80</td>
</tr>
<tr>
<td><strong>TLCI</strong></td>
<td>≥96</td>
<td></td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Yes</td>
<td></td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>DMX</strong></td>
<td>Wired + Wireless</td>
<td></td>
<td></td>
<td>Wireless</td>
</tr>
</tbody>
</table>
AX1 Compatible

- AX1 Compatibility MODE
Grips + Mounting
Single Unit PSUs

**AX1 PIXELTUBE PSU**
48V, 0.5A For AX1

**TITAN PSU**
24V, 2A For Titan & Helios

**HYPERION PSU**
24V, 4A for Hyperion

**AX1 EXTENTION CABLE**
Add 5m length to AX1 PSU

**TITAN EXTENSION CABLE**
Add 5m length to Titan PSU

**TITAN Power+Data cable**
Add 5, 10 or 15m length to Titan Powerbox.
Connect Titan Tubes with power and data for longer installs.
Inputs:
- XLR DMX
- Art-Net
- sACN

Setup:
- By Button (Universe 1-16)
- By Web-Browser (IP on the box)
- By DMX Workshop software

Update Instructions on Youtube
https://www.youtube.com/watch?v=xs2TKaatJ3E

One PowerBox is one DMX universe!
"Small PowerBox"

Injector for DMX via XLR, Artnet and sACN via RJ45
Use a 2\textsuperscript{nd} universe

- Wire DataLink between PowerBox and tubes
Sets

Wing Plate has to be bought separately.
Hyperion comes in a set of 4 tubes. Also available as single tube.
Soft Bags

Recommended for:
- 4 x Tube,
- 4 x PSU,
- 4 x extension cable,
- 8 x holder,
- 8 x WingPlate,
- Stand
- Babypin
- ART7

The lighter option to carry 4 tubes and accessories
3rd Party Accessories

SnapBox, SnapBag and SnapGrid

Underwater Housing

DOP Choice can be bought through your local dealer. Contact Hydroflex directly.
Astera puts special focus on the colors of their fixtures, reaching precise colors and high CRI with a minimum of power draw

Trucolor Calibration
- Individual calibration of all fixtures
- AsteraRGB Color Space
- Calculates W + A out of RGB values
- Dynamic color boost

DMX control
- Import RGB values to console
- Individual control of A + W is possible
Thank You!

Let’s stay in touch!

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