ASTERA

2 0 1 9

100% WIRELESS

ASTERA IS 100% WIRELESS

More than 10 years ago we realized that transporting truckloads of cables to and from events as well as laying them out and packing them is a messy and time-consuming job. So we developed a wireless lighting system to make your event setup faster and easier to manage.

We did this by integrating rechargeable batteries in our lights and by developing a powerful remote control system. This system not only helps you to save time and enable clean setups but also allows you to become more creative by quickly moving lights around and to places without electricity.

Our lights are designed to be flexible and work for a range of usages. Spotlights can be used to wash walls, lights can be used indoors and outdoors and work wirelessly as well as when hard wired for bigger or longer events.

N. Ernst

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Website: www.astera-led.com

100% WIRELESS

Advanced battery technology and control lets you set the battery runtime to up to 20h. You can be sure that your Astera fixture won`t run out of juice before your production is finished.

We included the most reliable wireless DMX module on the market which works with the leading CRMX and W-DMX standards for the professional and reliable operation.

AsteraApp™ offers intuitive and fast control of complex lighting setups and is also used to change DMX settings of the lights as well as monitor them out of a distance.

All Astera fixtures come in IP65 waterproof housings to make sure you can use them outdoors without worries.

The Astera System

Set up lights
Set up your lights conveniently out of a distance. Adjust DMX settings on one or several lights. After your job, do a master reset.

Monitor lights
Check your lights while operating them. View battery status settings, which lights are targeted and get informed if a light is being moved.

Control lights
Send effects and colors to your lights. Choose which lights you want to target. Save programs for quick launch later.

Wireless DMX
The ART7 works as a wireless DMX transmitter with LumenRadio CRMX Technology, just connect it with the included XLR adapter

Compatible
Astera lights can be controlled together by CRMX and W-DMX (up to G4S) so you can use them together with other wireless lights

UHF

2.4GHz

AsteraApp™

DMX Console

What makes our lights the number one choice?

Talkback+
Detect all available lights, set them up, check their status, configure DMX addresses and DMX profiles.

Seamless Runtime
Set the length of your production and be sure that your lights won`t run out while still getting the maximum brightness.

TruColor Calibration
Individually calibrated lights lead to 100% color consistency and exact color reproduction of color temperature and filter gels.

Effects
Quickly build programs out of colors and effects, trigger them or make them match a beat.

Flicker Free
Scrambled PWM technology to avoid flickering when filming.

Green/Magenta correction
Adjust green/magenta during content creation to reduce post-production work.

Scheduled Stand-by
Switch lights into power-saving standby and schedule them to wake up when the production starts.

Dynamic Power-boost
This exclusive feature makes the light able to display the maximum brightness at all time and intensify non-white colors.

Emergency Lights
Switches to white light when AC power is cut out to keep your event safe.

Anti-theft
The lights give visual and audible alarm and send notification to the AsteraApp if they are being moved during an event.

DJ Feature
Auto-BPM analyzes the beat and matches programs to it, flash buttons can trigger special effects while held down.

Other features
The AsteraApp™ is packed with many additional items and new features are frequently added via software update.

TITAN TUBE

PIXEL TUBE

Titan Tube & **Helios** were specially designed for the Film, Broadcasting and Cinema industries. They are optimized for ultra-high TLCI, very high CRI and peak brightness. Colors as well as Hue, Saturation and Intensity can be set directly on the tube. In addition, they accept wired DMX via a special power/data combination cable.

AX1 PixelTube is an affordable yet very powerful LED tube for event and entertainment lighting.
It can be used as a background on stages and around event sites and it can be used to create stunning lighting effects. A highly creative device that offers an infinite range of possibilities.

	Titan Tube (FP1)	Helios Tube (FP2)	PixelTube (AX1)
SIZE	1.035 meter	0.55 meter	1.035 meter
MAX LED POWER	72W	36W	28W
MAX POWER DRAW	48W	24W	16W
ILLUMINANTS	RGBMA	RGBMA	RGBW
EMMITTANCE*	785lx @1m*	393lx @1m*	270lx @1m*
CRI(Ra)*	≥96	≥96	Up to 88
BEAM ANGLE	120°	120°	120°
BATTERY RUNTIME (Seamless)	up to 20 hours	up to 20 hours	up to 20 hours
SIZE (mm)	Ø42 x 1035	Ø42 x 550	Ø42 x 1035
WEIGHT (kg)	1.35	0.765	1.1
WATERPROOF	IP65	IP65	IP65
DMX	Wired + Wireless	Wired + Wireless	Wireless

ASTERA TUBE ACCESSORIES

Wingplate
AX1-WP

INCLUDED
Eyebolt
AX1-EBLT
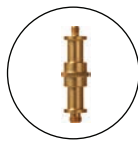
INCLUDED
Holder
AX1-H

INCLUDED
Stand
AX1-STD

Charging Cases
FP1-CHRCSE (Titan)
FP2-CHRCSE (Helios)
AX1-CHRCSE (AX1)

PowerBox
AP1-PWB

Spigot
AX1-BLT

Chargers
FP1-CHR(Titan)
FP2-CHR (Helios)
AX1-CHR (AX1)

Power/Data combination cable
FP1-PWB-CAB

SnapBox
SXF44

SnapBag
SBAT42

COMPARISON TABLE

	Titan Tube (FP1)	Helios (FP2)	PixelTube (AX1)
CRI (Ra) 3200-6500k*	96 - 98	96 - 98	80 - 88
TLCI 3200-6500k*	96 - 98	96 - 98	n/a
WIRED DMX	Yes	Yes	no
DISPLAY	Yes	Yes	no
BRIGHTNESS IN WHITE*	2900Lm	1450Lm	1000Lm

*Typical value

EXCLUSIVE TITAN & HELIOS FEATURES

BOOST MODE
2.8x the brightness in white
for almost 2h (compared with AX1)

TUNABLE WHITE
With range from 1,750K
to 20,000K

ULTRA-HIGH COLOR RENDERING
TLCI ≥96, CRI Ra ≥96, CRI Re ≥90
from 3,200K to 6500K

WIRED DATA CONNECTION
DMX, Art-Net, sACN and power can
be distributed via the PowerBox

BACKSIDE DISPLAY
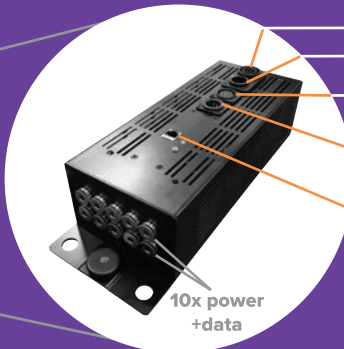Quick access to DMX setup, colors and
hue, saturation, intensity control.

TITAN & HELIOS POWERBOX

POWER OUT
POWER IN
DMX OUT
DMX IN
ETHERNET IN

10x power +data

CHARGING CASE
(FP1-CHRCSE)
With removable PowerBox for
charging and permanent installation

POWERBOX (For Titan Tube)
(FP1-PWB)
Input: power and DMX, Art-Net or sACN
Output: Power/Data combination cable

SOCKET FOR
DATA+POWER

**POWER + DATA
COMBINATION CABLE**
(FP1-PWB-CAB)
to transfer power & data to Titan Tube

Wireless PAR

Wired PAR
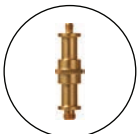
Elegant Uplight

AX5 ACCESSORIES

IR Remote
ARC1

Double Spigot
AX1-BLT

Charging Case
AX5-CSE
(contact for availability)

INCLUDED

Flood Filter (32°)
AX5-FF

INCLUDED

Wallwash Filter (17°x46°)
AX5-WWF

Rotatable Filters (17°x46°)
AX5-ROTAF

Flex Cover White
AX5-FLXCVR-WT

Flex Cover Mirror
AX5-FLXCVR-MIR

Volcano Cover White
AX5-VULCVR-WT

Snoot
AX5-SN

Charging Plate (for 4)
AX5-CHRPLT-4

Charging Plate (for 8)
AX5-CHRPLT-8

AX5 TriplePAR™

3-in-1 The Perfect PAR

Optimized for a fast return on investment, **AX5** replaces your wireless and wired PARs as well as battery uplights.

It`s the one and only light you`ll need to get.

Max LED power	45W
Illuminants	3 x 15W RGBAW Philips Lumileds
Luminous Flux*	1,080 Lm
Emittance*	4,800 Lx (@2m; white 3200K)
CRI*	≥92 (@ 2700~4000K)
Beam Angle	13°
Battery runtime	up to 20 hours (seamless runtime)
Size (mm)	145 x 190 x 221
Weight (kg)	3.4
Waterproof	IP65
Control by	IR, AsteraApp, Wireless DMX, XLR-DMX

For full technical specifications, visit **www.astera-led.com/ax5/**

Max. 20h   **App**   **Wireless DMX**   **IP65**
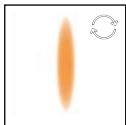
AX5 FILTER OPTIONS

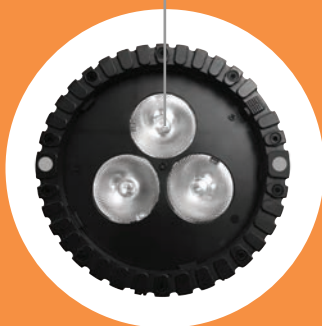**No Filter 13°**

Flood Filter 32°

Wallwash Filter 17°x46°

Rotatable Filter 17°x46°

Latest precision optics
from Gaggione

3x15W RGBAW LED
And high CRI due to individual
factory calibration

Slide to release

CLIP-IN FILTERS
High-efficiency wallwash,
flood & rotatable filters

Charging contact for
flights case charging

WATERPROOF CONNECTORS
Powercon True1 & XLR, IP65
while plugged or unplugged

Press & slide out

REMOVABLE BRACKET
Transform the AX5 into an
uplight in seconds

ELEGANT COVERS
Transform your AX5!
Different shapes and colors
now available

Quick release button

KICKSTAND
Adjustable angle for wall
uplighting

MECHANICAL FEATURES

4x rubber feet

4x M6 thread

Safety hook

3/8" thread or 1/2" hole

Display with 5 buttons

Disc break

Foldable feet

AX10 SpotMax™

The **AX10** features high-quality Lumileds RGBAW LEDs, Trucolor Calibration, long-life LG-Chem batteries and a uniquely engineered housing to increase cooling and optimize performance.

Battery powered, remote-controlled, IP65 waterproof for outdoor use, and a carry handle built into its stand.

AX10 ACCESSORIES

IR Remote
ARC1

Super Bolt
AX10-BLT

Charging Case
AX10-CHRCSE
(contact for availability)

INCLUDED
Flood Filter (32°)
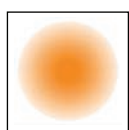AX10-DDSK

INCLUDED
Wallwash Filter (17°x46°)
AX10-WWDSK

Rotatable Filters (17°x46°)
AX10-ROTAD

Max LED power	135W
Illuminants	9 x 15W RGBAW Lumileds
Luminous Flux*	3,350 Lm (@ white 4000K)
Emittance*	10,350 Lx (@2m; white 4000K)
CRI*	>92
Beam Angle	13°
Battery runtime	up to 20 hours (seamless runtime)
Size (mm)	279 x 296 x 253
Weight (kg)	7.98
Waterproof	IP65
Included	Powercon True1, power cord, 32° Flood & 17°x46° Wallwash filter

AX10 FILTER OPTIONS

No Filter 13°

Flood Filter 32°

Wallwash Filter 17°x46°

Rotatable Filter 17°x46°

For full technical specifications, visit **www.astera-led.com/ax10/**
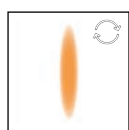
Max. 20h   **App**   **Wireless DMX**   **IP65**

Folded Legs
for easy carrying

Rear/Side View
Display, suspension hooks, adjustable knob & Powercon True1 In/Out sockets

Filter
Easy to attach filters; just slide in and press under clip

Attached to truss
with Super Bolt/Clamp attached

AX3 LightDrop™

The **AX3** is Astera`s most popular lighting fixture and can be used as uplight as well as hanging or standing spotlight and inside translucent objects, truss, etc.

It is extremely compact and yet offers a high-brightness paired with long battery runtime and range.

AX3 ACCESSORIES

IR Remote
ARC1

Double Spigot
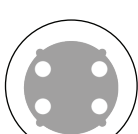AX1-BLT

Charging Case
AX3-CHRCSE

INCLUDED

Flood Filter (30°)
AX3-DDSK-30

INCLUDED

Diffuser Filter (120°)
AX3-DDSK-120

Wallwash Filters (17°x46°)
AX3-WWDSK

Diffuser Dome
AX3-DDM

Tracklight EUTRAC adapter
AX3-TLEA

Max LED power	15W
Illuminants	1x 15W RGBW CREE LED
Luminous Flux*	430 Lm (@ white 6500K)
Emittance*	1,300 Lx (@2m; white 6500K)
Beam Angle	13°
Battery runtime	up to 20 hours (seamless runtime)
Size (mm)	Ø95 x 59
Weight (kg)	0.679
Waterproof	IP65
Included	Charger, 30°/120° Filter, Hooks, Rubber feet Socket cover

For full technical specifications, visit **www.astera-led.com/ax3/**

3/8" Screw Thread compatible with Manfrotto Bolt Type 013

M4 Screw Thread
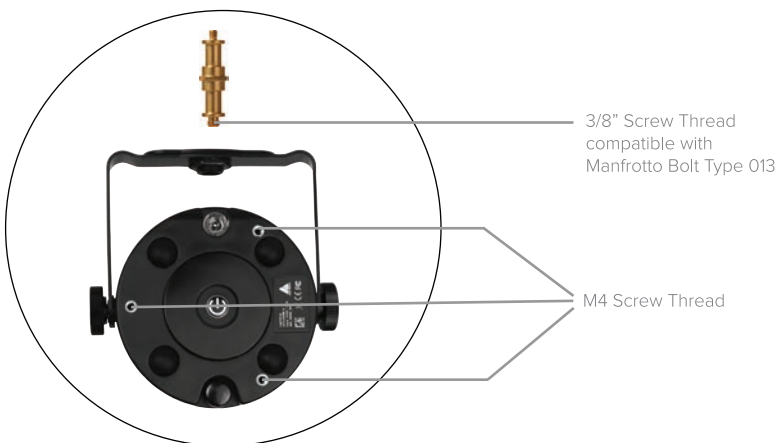
Underside
Magnet, rubber feet, ON/OFF button and charging socket

AsteraApp

The **AsteraApp** is the result of 10 years of development and specifically designed for temporary event setups.

It is a huge time saver when setting up, monitoring or controlling lights.

Talkback+
AsteraApp features a revolutionary bi-directional wireless communication. Get a list of all your lights and their status, even when controlling them by DMX. Keep a permanent overview by filtering and sorting the list.

Prepare lights
Change your light`s DMX addresses, presets, etc. without touching the lights. Select multiple lights and change their settings together to save even more time.
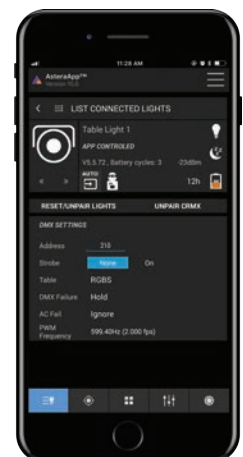
Programs
Create complex programs out of colors, effects and settings. The lights willremember and repeat these effects without requiring a constant link

Targets
Quickly create groups of lights, assign positions and select which lights should receive commands

For a complete list of features, go to **www.astera-led.com/app/**

ART7 AsteraBox™ CRMX

The **ART7** is the interface between lights and controller
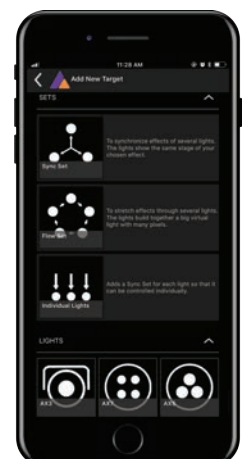We added a CRMX transmitter to the ART7. Just plug-it to your DMX console and control your X-series lights and other lights with CRMX technology.

The **ART7** can transmit up to 512 DMX channels with the fastest refresh rate. Of course the new AsteraBox still works as an interface between tablet and lights.
Its built-in battery enables easy and time-saving set-up, just like all our products.

ART7 ACCESSORIES

INCLUDED

DMX Adapter
ART7-DMXA

Carry Case
ART7-CSE

INCLUDED

Micro-USB Cable

Runtime	up to 72h on battery
Frequency	UHF, 2.4GHz
Range	300m
Control via App	AX1, AX3, AX5, AX7, AX10, Titan, older Asteras
Control via CRMX	All light with CRMX receiver
Dimension (mm)	144 x 78 x 30
Weight (Kg)	0.230
Included	Micro-USB Charger, Carry Case, DMX adapter

For full technical specifications, visit **www.astera-led.com/art7/**

Max. 20h   **App**   **Wireless DMX**   **IP65**

AsteraApp   **DMX Console**

Technical comparison

	AX10	AX5	AX3	AX1	Titan Tube	Helios Tube
Colors	RGBAW	RGBAW	RGBW	RGBW	RGB-Mint-Amber	RGB-Mint-Amber
Total LED Power	135W	45W	15W	28W	72W	36W
Luminous Flux*	3,350lm	1,080lm	430lm	1,000lm	2,900lm	1,450lm
Emittance*	10,350lx	4,800lx	1,300lx	270lx @1m	785lx @1m	393lx @1m
CRI*	≥92	≥92	n/a	Up to 88	≥96	≥96
Strobe	0-25Hz	0-25Hz	0-25Hz	0-25Hz	0-25Hz	0-25Hz
Beam Angle	13°	13°	13°	120° (Field angle 180°)	120° (Field angle 180°)	120° (Field angle 180°)
Pixels	1	1	1	16	16	8
Battery	LG Chem	LG Chem	LG Chem	LG Chem	LG Chem	LG Chem
Battery Lifetime	70% after 300 cycles	70% after 300cycles	70% after 300cycles	70% after 300cycles	70% after 300cycles	70% after 300cycles
Battery runtime	up to 20 hours	up to 20 hours	up to 20 hours	up to 20 hours	up to 20 hours	up to 20 hours
LED Lifetime	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
Charging Time (nominal)	5 hrs	5 hours	5 hours	5 hours	3 hours	3 hours
Input Voltage	110-240V, 50/60Hz	90-260V, 50/60Hz	110-240V, 50/60Hz	48V, 0.5A	24V, 2A	24V, 1250mA
Wireless Modules	865-870MHz 902-928MHz 2.4GHz	865-870MHz 902-928MHz 2.4GHz	865-870MHz 902-928MHz 2.4GHz	865-870MHz 902-928MHz 2.4GHz	865-870MHz 902-928MHz 2.4GHz	865-870MHz 902-928MHz 2.4GHz
Range	300m 330yds	300m 330yds	300m 330yds	300m 330yds	300m 330yds	300m 330yds
Wired DMX	No	Yes	No	No	Yes	Yes
CRMX Wireless DMX	Yes	Yes	Yes	Yes	Yes	Yes
Housing	Aluminium	Aluminium with plastic ring	ABS	Polycarbonate, metal end caps	Polycarbonate, metal end caps	Polycarbonate, metal end caps
IP Rating	IP65	IP65	IP65	IP65	IP65	IP65
Relative Humidity	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%
Operating Temperature	0°-40° C 32°-104° F	0°-40° C 32°-104° F	0°-40° C 32°-104° F	0°-40° C 32°-104° F	0°-40° C 32°-104° F	0°-40° C 32°-104° F
Weight	7.98kg 17.5lbs	3.4kg 7.5lbs	0.679kg 1.4lbs	1.1kg 2.5lbs	1.35kg 3.0lbs	0.765kg 3.0lbs
Dimensions (mm)	279 x 296 x 253	145 x 190 x 221	120 x 59 x 114	42 x 1035	42 x 1035	42 x 550
Dimensions (inches)	10.9 x 11.6 x 9.9	4.7 x 2.3 x 4.4	4.7 x 2.3 x 4.4	1.6 x 40.7	1.6 x 40.7	1.6 x 21.65
Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor

Order Codes

FP1 Titan Tube	FP1
FP1 Charger	FP1-CHR-U
FP1 Charging case	FP1-CHRCSE-US
	FP1-CHRCSE-EU
	FP1-CHRCSE-UK
FP1 PowerBox	FP1-PWB-US
	FPI-PWB-EU
	FP1-PWB-UK
FP1-5m cable (Set of 8)	FP1-PWB-CAB-5
FP1-10m cable (Set of 8)	FP1-PWB-CAB-10
FP1-15m cable (Set of 8)	FP1-PWB-CAB-15

AX1 PixelTube	AX1
AX1 Spigot	AX1-BLT
AX1 Charger	AX1-CHR
AX1 Charging case	AX1-CHRCSE-US
	AX1-CHRCSE-EU
	AX1-CHRCSE-UK
AX1 Holder	AX1-H
AX1 Stand	AX1-STD
AX1 Eye Bolt	AX1-EBLT
AX1 WingPlate	AX1-WP

FP2 Helios Tube	FP2
FP2 Charger	FP1-CHR-U
FP2 Charging case	FP2-CHRCSE-US
	FP2-CHRCSE-EU
	FP2-CHRCSE-UK
FP1 PowerBox	FP1-PWB-US
	FPI-PWB-EU
	FP1-PWB-UK
FP1-5m cable (Set of 8)	FP1-PWB-CAB-5
FP1-10m cable (Set of 8)	FP1-PWB-CAB-10
FP1-15m cable (Set of 8)	FP1-PWB-CAB-15

Controllers	
IR Remote control	ARC1
ART7 AsteraBox	ART7-U
ART7 Case	ART7-CSE
ART7 XLR Adapter	ART7-DMXA

AX3 LightDrop	AX3
AX3 LightDrop	AX3-CRMX-U
AX3 Charger	AX3-CHR
AX3 Charging case	AX3-CHRCSE-US
	AX3-CHRCSE-EU
	AX3-CHRCSE-UK
AX3 Diffuser Dome	AX3-DDM
AX3 Diffuser filter	AX3-DDSK-120
AX3 Flood Filter	AX3-DDSK-30
AX3 Track Light Adapter	AX3-TLEA
	AX3-TLEA-WT
AX3 Wallwash Filter	AX3-WWDSK

AX5 TriplePAR	AX5
AX5 Charging Case	AX5-CHRCSE
AX5 Charging Plate for 4	AX5-CHRPLT-4
AX5 Charging Plate for 8	AX5-CHRPLT-8
AX5 Flood Filter	AX5-FF
AX5 Set/8 mirrored Flex Cover	AX5-FLXCVR-MIR-8
AX5 Set/8 white Flex Cover	AX5-FLXCVR-WT-8
AX5 Rotatable Filter	AX5-ROTAD
AX5 Snoot	AX5-SN
AX5 Set/8 Volcano Mirror Cover	AX5-VULCVR-MIR-8
AX5 Set/8 Volcano White Cover	AX5-VULCVR-WT-8
AX5 Wallwash Filter	AX5-WWF
AX5 Female XLR Connector	AX5-XLRCON-F
AX5 Male XLR Connector	AX5-XLRCON-M

AX10 SpotMax	AX10
AX10 SpotMax	AX10-US
	AX10-EU
	AX10-UK
AX10 Super Bolt	AX10-BLT
AX10 Charging case	AX10-CHRCSE
AX10 Flood Filter	AX10-DDSK
AX10 Rotatable Filter	AX10-ROTAD
AX10 Wallwash Filter	AX10-WWDSK

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