



Astera AX1 – Pixel Tubes

German designed tube with 28W RGBW LEDs – 180° Beam Angle

AX1 is a powerful pixel controllable LED RGBW baton that can be mounted at event and film sites to light up people and objects or create indirect lighting effects. A highly creative device that offers an infinite range of possibilities.

Physical

Size of Unit	42 x 1035mm
Item Weight	1kg
Quantity in Case	8
Size of Unit Cased	1170 x 450 x 180mm
Cased Weight	27kg



Electrical

Rated Power	Input voltage (charger): 90-264V 47-63Hz
Input Power	48v (0.5a) Light
Power Connection	Battery / Charger pack

Mounting Options

Hanging Type	Multiple brackets in kit Eyebolts, clamps to truss
Freestanding	Yes – Floor stand
Expo LX	Yes

Optical

Light Source	RGBW LED
Beam Angle	180°
Colour Temperature	2200 – 5000k
CRI	up to 88
Light Output 2m	9
Light Output 4m	0
Light Output 6m	0

Control

Control Method	CRMX/DMX/APP/Stand alone
DMX Mode	Depending on application
DMX Connection Types	CRMX/DMX/APP/Stand alone

Environmental

IP Rating	IP65
Cooling	Conventional
Max Operating Temperature	0° - 40°

Suitability

Good for stage backdrops and dividers

Componentry

Must be booked in quantities of 8

In Pixel Tube Case: (1 x Charging Case)

- 8 x Pixel Tubes
- 8 x Tripod Floor Stands
- 16 x M5 Eye bolts
- 16 x Half Couplers
- 16 x Clips
- 16 x Spigots

In Kit Case: 1 x kit to go out per pixel tube case – ensure the same coloured kit is sent for pairing purposes

- 1 x Remote
- 1 x Android Tablet
- 16 x Super Clamps
- 8 x power supplies
- 1 x Wireless DMX
- 1 x USB Powersupply
- 1 x DMX – 3.5mm cable
- 1 x USB Charger
- 1 x USB Cable
- 16 x Safety Cables
- 8 x IEC Cables

Information Links

Manufacturer Link [Astera](#)

Manufacturer Data Sheet [Astera AX1 data Sheet](#)

Photometry Data Sheet [Photometry Report](#)

**Harry
the hirer.**

LED Pixel Tubes



8 Pixel Tubes



8 Tripod
Floorstands



16 Half Couplers



16 R Clips



16 Brass Spigots



16 M5 Eyebolts

**Harry
the hirer.**

Pixel Tube Kit



1 Remote



1 Wireless DMX

1 USB PSU

1 DMX- 3.5 cable



1 Android Tablet



1 USB Charger

1 USB Cable



16 Super Clamps



16 Safety Cables



8 Power Supplies



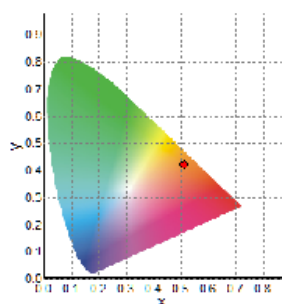
8 IEC Cables

Report of Photometry & Chromaticity for Light Source

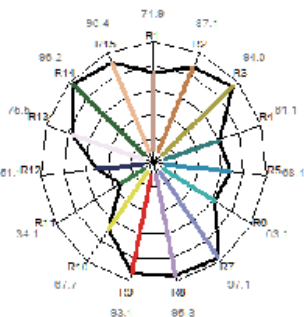


Product Description

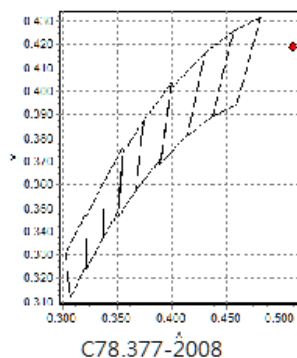
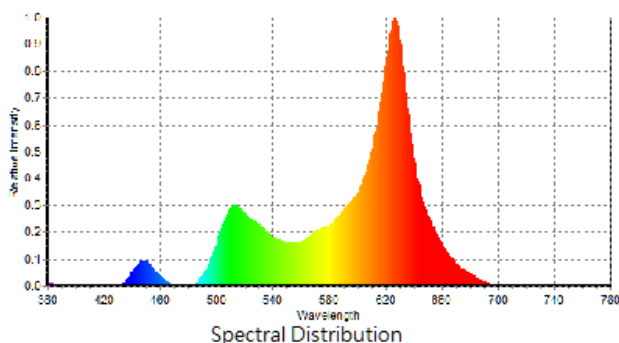
Product Name	AX1 Pixel Tube	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 11:45:52	
Manufacturer	Astera	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		



CIE1931 Chromaticity Diagram



Radar Diagram of CRI



Photometry and Chromaticity

CIE_x	0.5117	Duv	0.0011
CIE_y	0.4187	λ_d (nm)	587.2
CIE_u'	0.2924	Purity(%)	79
CIE_v'	0.5382	FWHM(nm)	30
CCT(K)	2165	SP ratio	1.20
Illuminance(lx)	9	PPFD(μ mol/m ² s)	0.1
λ_p (nm)	627	CRI(Ra)	80
TLCI(Qa)	29.6	GAI	29.4
GAI BB8	96	GAI BB15	94
TM-30 Rf	76	TM-30 Rg	103

CQS-Qa	78	Re(thru R1~R15)	77
R1	74.9	R6	63.1
R2	87.1	R7	97.1
R3	94.0	R8	95.3
R4	61.1	R9	93.1
R5	68.4	R10	67.7
R11	34.1	R12	51.1
R13	75.5	R14	96.2
R15	90.4		

Flicker Frequency(Hz)

Flicker %

Flicker Index

C78.377-2008