Datasheet

PIXEL BRICK

Say hello to our next-generation multi-purpose light. In addition to being a battery-powered uplight and PAR with 5 different beam options, multiple PixelBricks can be connected to form clusters and shapes. With about 10cm edge length and 1kg weight, it is small and light-weight while still featuring a powerful output of high-quality light. The PixelBrick can be used for many stage, film and TV applications.

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

SPECIFICATIONS

Order Code	PB15
LED Engine	Titan LED Engine
Colors	RGBMintAmber
Total LED Power	15W
Power Draw	12W
Light Output – 2700k, 3200k, 5500k*	388lm, 450lm, 375lm
CRI(Ra)/TLCI 3200-6500k*	≥96
Beam Angle	13°
Strobe	0 - 25Hz
Pixel	1
Battery Lifetime	70 % after 300 cycles
Battery Runtime	up to 20 hours
Charging Time (nominal)	5 hrs
Input Voltage	24VDC
Input Current	0.8A
Wired DMX	Yes (via PWB-2-86)
CRMX Receiver	Built in
Wireless Frequencies	CRMX 2.4GHz, UHF, Bluetooth
Range (m/yds)	300/330 (Bluetooth 3/3,3)
Housing Material	Aluminium
IP Rating	IP65
Ambient Temperature (°C/°F)	0° - 40° / 32° - 104°
Weight (kg/lbs)	1.12 / 2.47
Dimensions (mm/inches)	91 x 91 x 94 / 3.6 x 3.6 x 3.7

*Typical values

RF CHARACTERISTICS

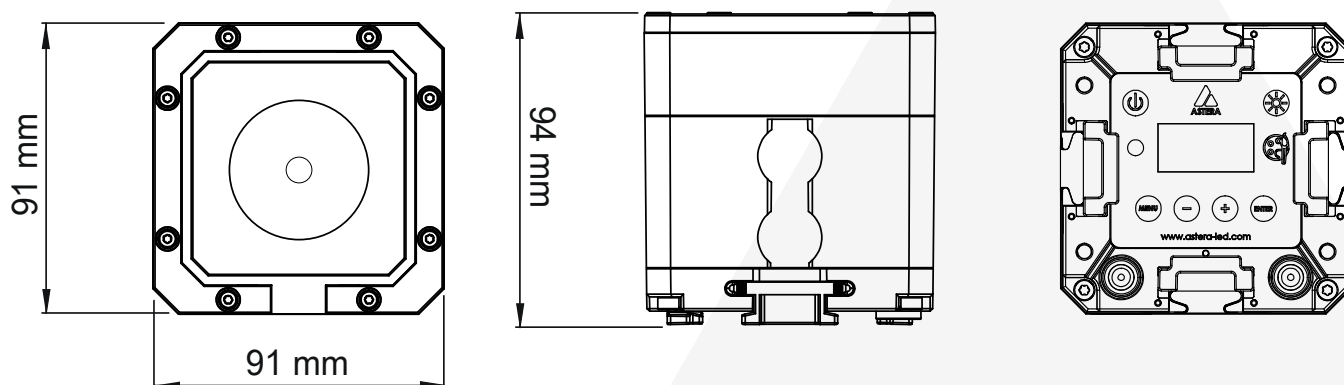| Wireless Modules	EU: UHF (863-870MHz)	USA: UHF (917-922.20MHz)	AUS: UHF (922.30-927.50MHz)	SGP: UHF (920.50-924.50MHz)
Modulation	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	<25mW
Channel Count	47	53	53	41

Wireless Modules	KOR: UHF (917.9-921.5MHz)	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 5.0 LE (2402-2480MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	-	10mW (BLE)
Channel Count	10	6	19	79	40

Astera LED Technology GmbH | Stahlgruberring 36 | 81829 Munich - Germany | +49 (0) 89 21 55 225 31 | www.astera-led.com
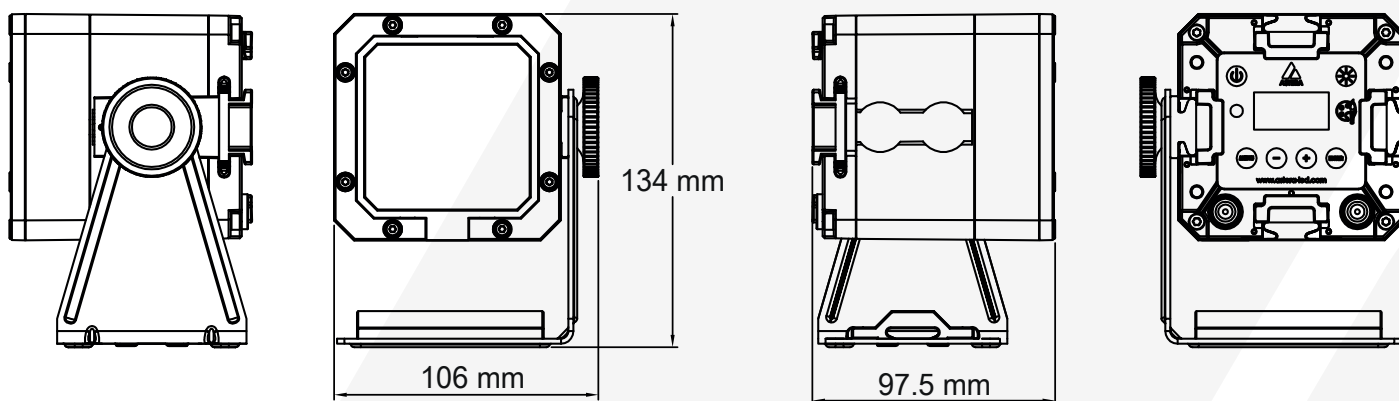
BUILT-IN BLUETOOTH AND UHF TRANSMITTER

Connect directly to a PixelBrick via Bluetooth. This master light will revert AsteraApp commands to all other NYX Bulbs and other Astera lights via UHF band.
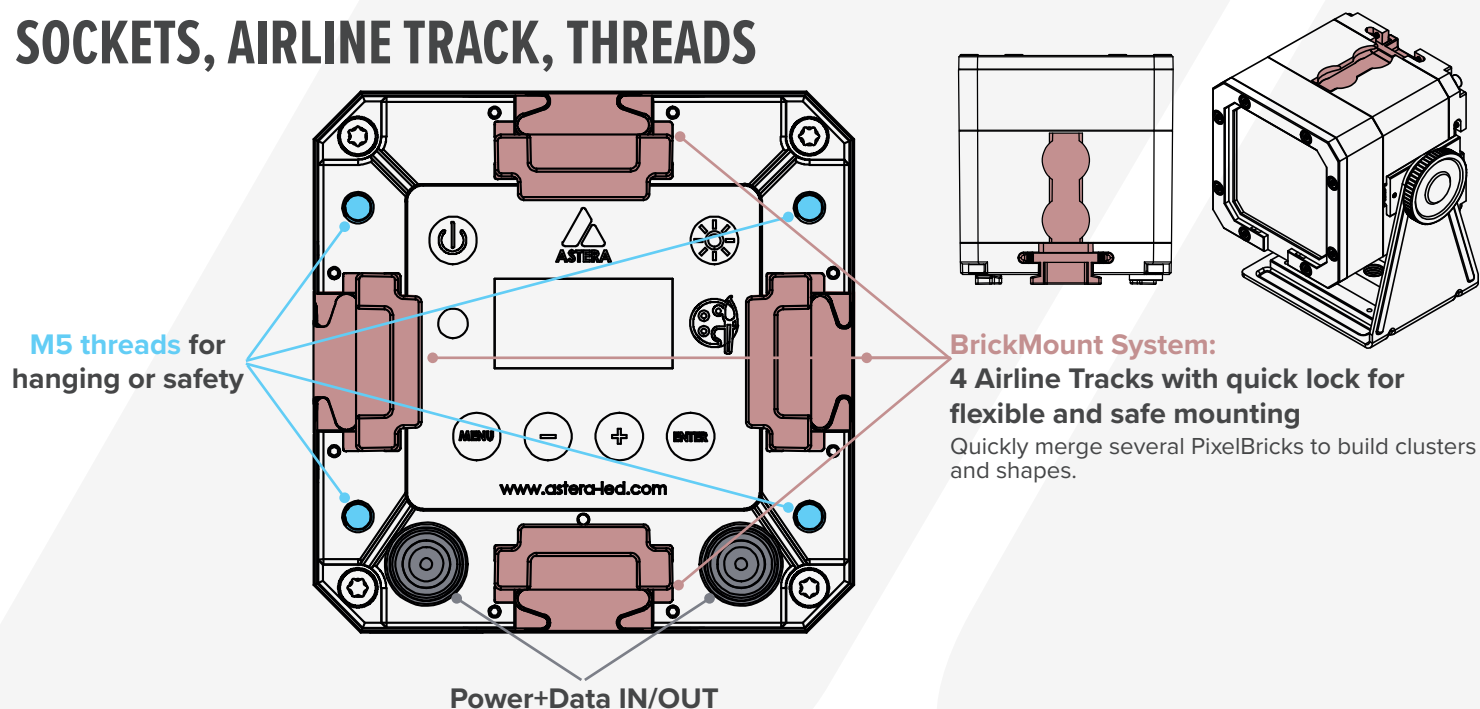
DRAWINGS
WITHOUT BRACKET

91 mm

91 mm

94 mm

WITH BRACKET

134 mm

106 mm

97.5 mm

SOCKETS, AIRLINE TRACK, THREADS

M5 threads for **hanging or safety**

BrickMount System:
4 Airline Tracks with quick lock for flexible and safe mounting
Quickly merge several PixelBricks to build clusters and shapes.

Power+Data IN/OUT

DATASHEET

POWER BOX 2 x 86W

Compatible with:
PB15 PixelBrick, FP1 Titan Tube, FP2 Helios Tube, FP3 Hyperion Tube

Charge or install 8 PixelBricks. Also allows wired data transfer from DMX, Artnet and sACN sources. Comes with PowerCon AC cable and 8 short DC charging cables. Longer Power/Data Combination cables sold seperately.
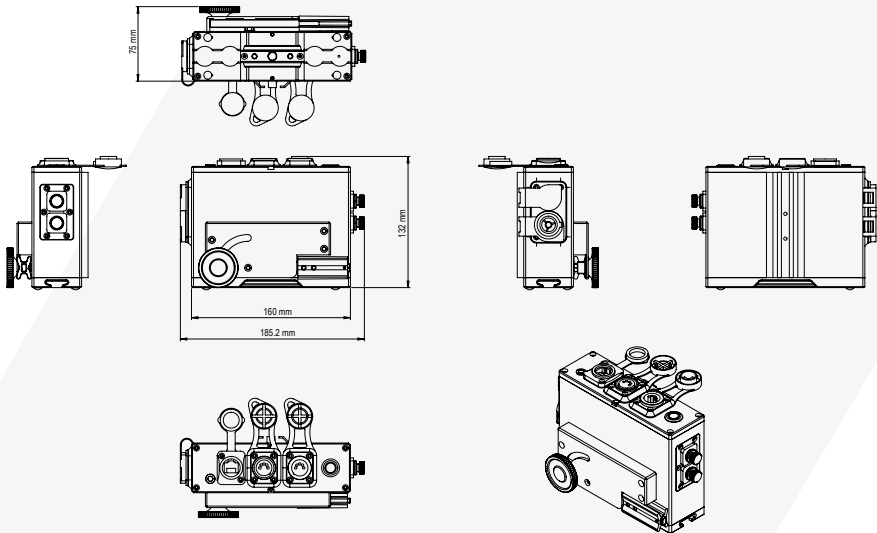
Accessories
Power Data Combination Cables
0.2m: PWB-CCAB-0.2
5m: PWB-CAB-5
10m: PWB-CAB-10
15m: PWB-CAB-15

SPECIFICATIONS

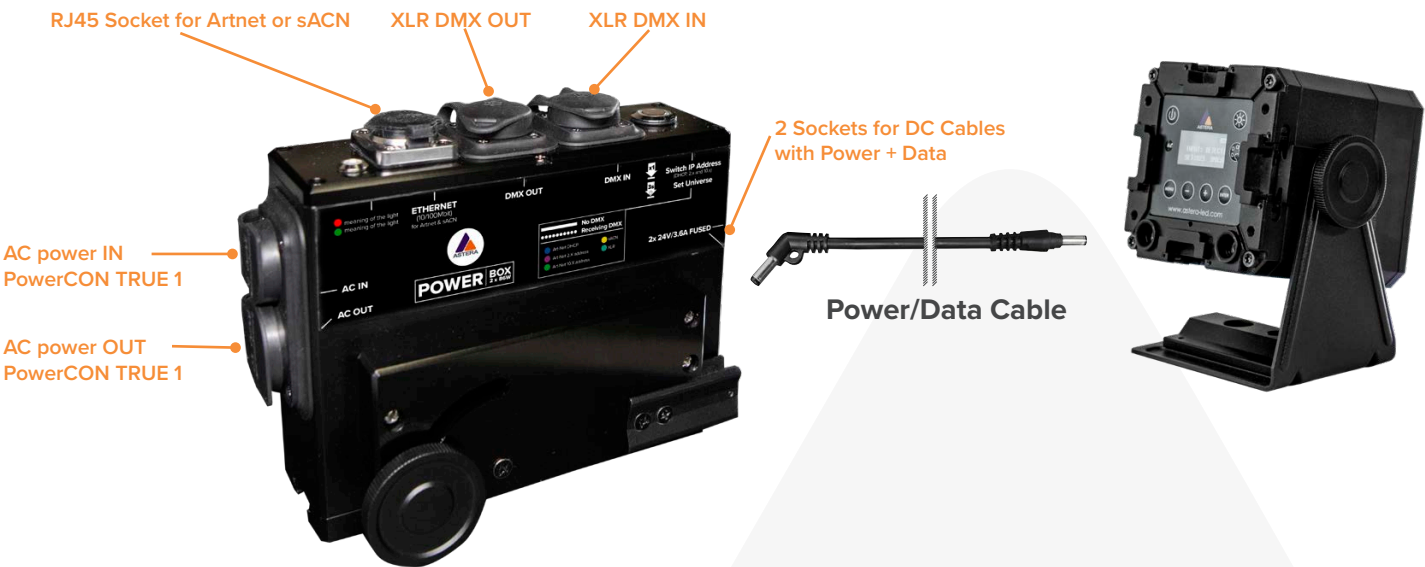|	
Order Code EU	PWB-2-86-EU
Order Code US	PWB-2-86-US
Order Code UK	PWB-2-86-UK
Order Code CH	PWB-2-86-Ch
Order Code AU	PWB-2-86-AU
Input	100-240VAC, 50/60Hz
Input Current	1.8A/115VAC, 1A/230VAC
Output	2 x 24V / 2 x 86W
Output Connectors	2x DC Barrel 5.5/2.1mm
Power IN / Power OUT	PowerCon True1
Data Input	XLR-DMX; ART-Net (1 Universe); sACN (1 Universe) **IP Address can be selected between 2.x, 10.x and DHCP.** **Universe ID can be set by web-interface or pushbutton (by button only 1-16).**
Data Output	DMX via DC sockets
Data sockets	5-pin XLR in+out; RJ45 input
IP Rating unwired	IP65
IP Rating wired with PWB-CAB-5/-10/-15/-0.2	IP65
Dimensions (mm/inch)	160 x 122 x 50 / 6.3 x 4.8 x 2
Weight (kg/lbs)	1.5 / 3.3
Housing Material	Aluminium

DRAWINGS

75 mm

132 mm

160 mm

185.2 mm

USE CASE

PowerBox in PixelBrick set

CHARGING & CONNECTING

RJ45 Socket for Artnet or sACN

XLR DMX OUT

XLR DMX IN

2 Sockets for DC Cables
with Power + Data

AC power IN
PowerCON TRUE 1

AC power OUT
PowerCON TRUE 1

Power/Data Cable

ACCESSORIES

**Power/Data Cable
5m, 10m, 15m**
PWB-CAB-5/-10/-15

IP65 when connected with
PWB-2-86

**Power/Data Cable
0,2m**
PWB-CAB-0.2

IP65 when connected with
PWB-2-86

DATASHEET

BRICK|BRACKET

Compatible with:
PB15 PixelBrick

Essential grip for mounting PixelBricks to walls, truss and other structures.

Bracket on PixelBrick

SPECIFICATIONS

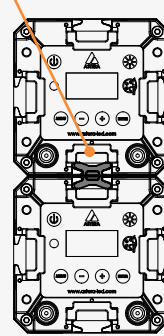| Order Code Holder	PB15-BBR
Dimensions (mm/inch)	108.5 x 105 x 76 / 4.3 x 4.1 x 3
Thread	3/8"-16 UNC
Weight (kg/lbs)	0.27 / 5.59
Material	Stainless Steel

DRAWINGS

108.5 mm

105 mm

76 mm

Ø14 mm   3/8"-16 UNC
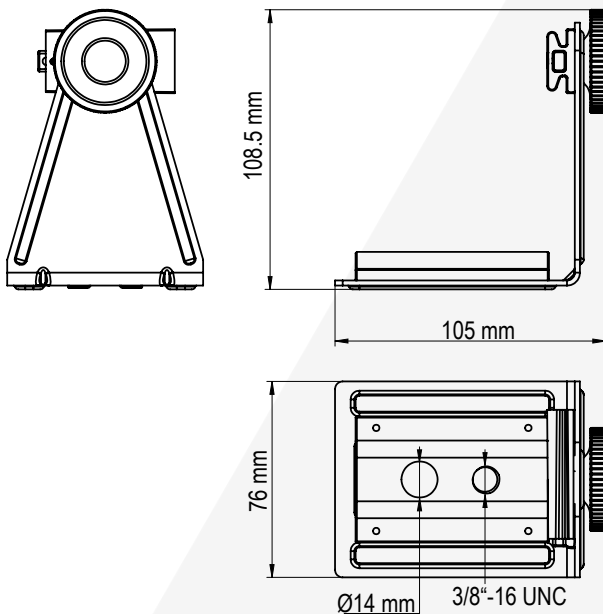
AirlineTrack on bottom for mounting

DATASHEET

BRICK|CONNECT

Compatible with:
PB15-PixelBrick
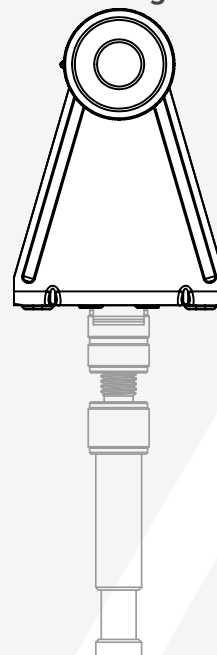
Connect 2 PixelBricks to each other's side.

BrickConnect on PixelBrick

SPECIFICATIONS

Order Code Holder	PB15-BCN
Dimensions (mm/inch)	50 x 23 x 15.2 / 1.97 x 0.9 x 0.59
Weight (kg/lbs)	0.027 / 0.059
Material	Aluminium

DRAWINGS

23 mm

50 mm

15.2 mm
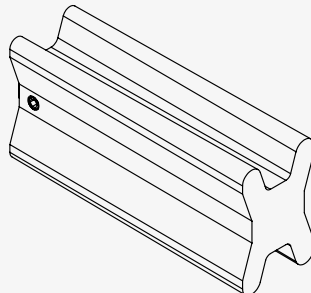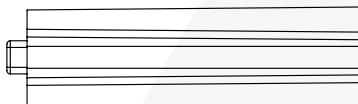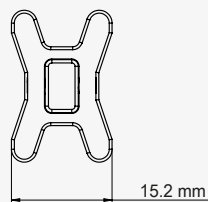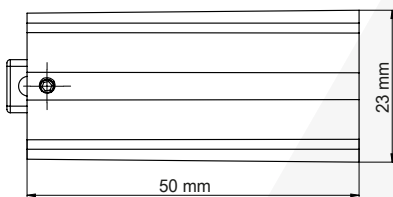
USE CASES

2 PixelBrick connected with BrickConnect

4 PixelBrick connected with BrickConnect

Modify the beam of your light to expand its possibilities.
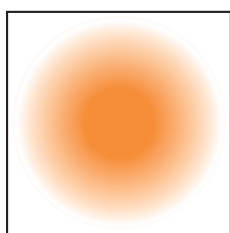
FLOOD FILTER

Order Code	PB15-FF
Beam angle	30°
Dimensions (mm/inch)	86.2 x 72.2 x 1.5 94.3 x 79 x 1.6
Material	PC
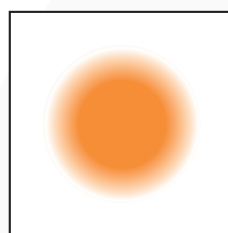
BEAM SOFTENER

Order Code	PB15-BSO
Beam angle	17°
Dimensions (mm/inch)	86.2 x 72.2 x 1.5 94.3 x 79 x 1.6
Material	PC
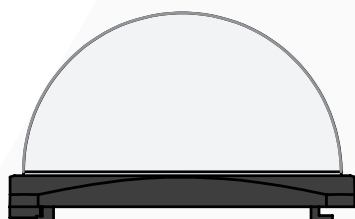
BRICKDOME

Order Code	PB15-BDM
Beam angle	180°
Dimensions (mm/inch)	53.3 x Ø88.3 2.1 x Ø3.5
Material	PC

Us as softlight projector or insert the included 120° filter to create a stunning light ball.

Softlight effect

Eyecandy effect

DATASHEET

Charging Case & Set for PixelBrick

Compatible with:
PB15 PixelBrick

Sturdy charging and transportation case with 2 wheels and 3 handles to carry 8 PixelBricks. The included power supply can charge 8 tubes from one AC outlet.
Also available as Set with PixelBricks, BrickConnects and Filters.

Empty case   **Full case**

SPECIFICATIONS

		Charging Case	PixelBrick Set
	Order Code EU	PB15-CHRCSE-EU	PB15-SET-EU
	Order Code US	PB15-CHRCSE-US	PB15-SET-US
	Order Code UK	PB15-CHRCSE-UK	PB15-SET-UK
	Order Code CH	PB15-CHRCSE-CH	PB15-SET-CH
	Order Code AU	PB15-CHRCSE-AU	PB15-SET-AU
via PWB-2-86	Input	100-240VAC, 50/60Hz, 1A, 200W	100-240VAC, 50/60Hz, 1A, 200W
	Input Current	1.8A/115VAC ,1A/230VAC	1.8A/115VAC ,1A/230VAC
	Output	24V	24V
	Output Connectors	2x DC Barrel 5.5/2.1mm	2x DC Barrel 5.5/2.1mm
	Power IN/Power OUT	via Powercon True1	via Powercon True1
	Dimensions (mm/inch)	541.5 x 400 x 205.5 / 21.3 x 17.44 x 8.1	541.5 x 400 x 205.5 / 21.3 x 17.44 x 8.1
	Weight (kg/lbs)	6.8 / 15	16.3 / 36
	Material	ABS	ABS

CONTENT

	Charging Case		PixelBrick Set
	1x PowerBox (PWB-2-86)		1x PowerBox (PWB-2-86)
	1x PowerCon True1 cable		1x PowerCon True1 cable
			8x PB15 PixelBrick (PB15)
			8x BrickConnect (PB15-BCN)
			8x FloodFilter, 8x BeamSoftener (PB15-FF, PB15-BSO)

DRAWINGS

504

765

260