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

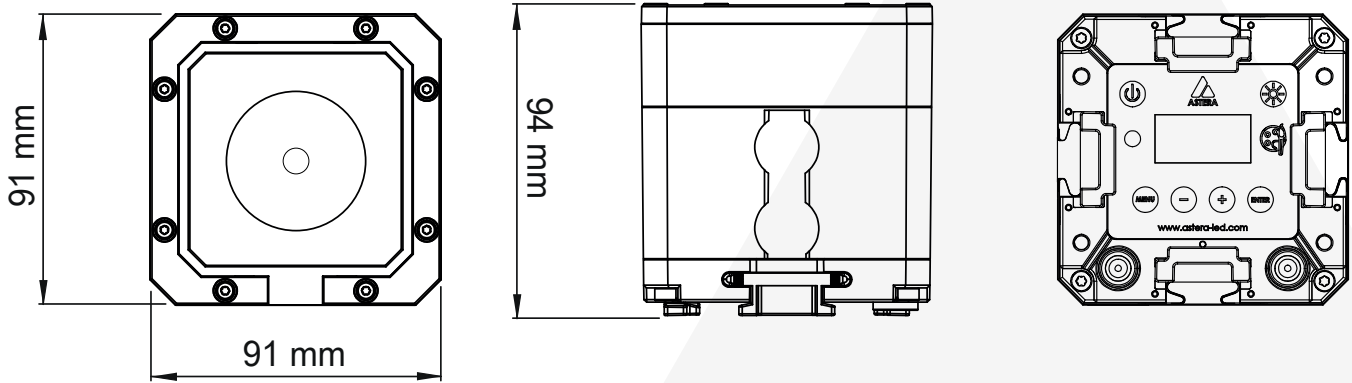| Wireless Modules	EU: UHF (863-870MHz)	USA: UHF (917-922.20MHz)	AUS: UHF (922.30-927.50MHz)	SGP: UHF (920.50-924.50MHz)
Modulation	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	<25mW
Channel Count	47	53	53	41

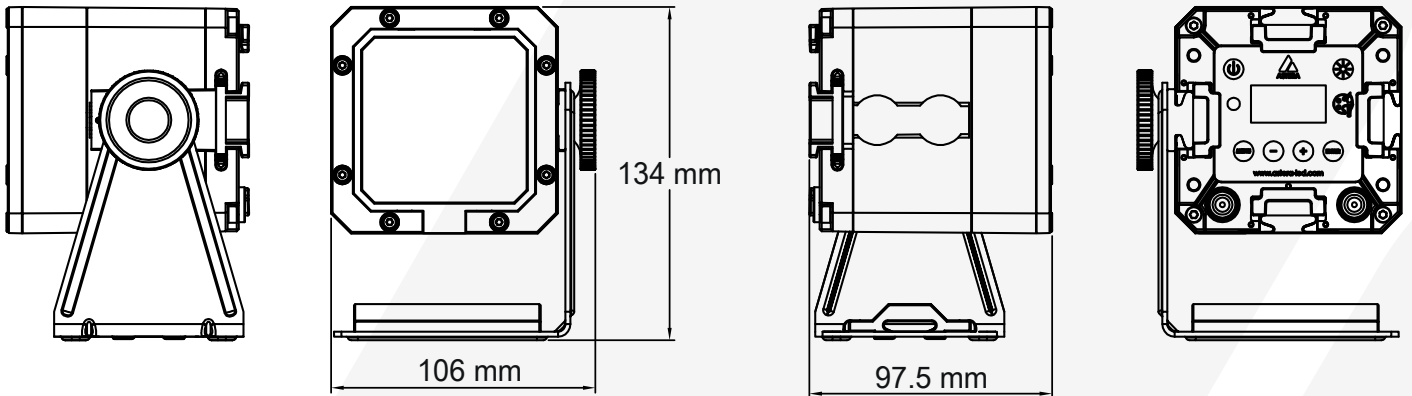| Wireless Modules	KOR: UHF (917.9-921.5MHz)	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 5.0 LE (2402-2480MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	-	10mW (BLE)
Channel Count	10	6	19	79	40

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.
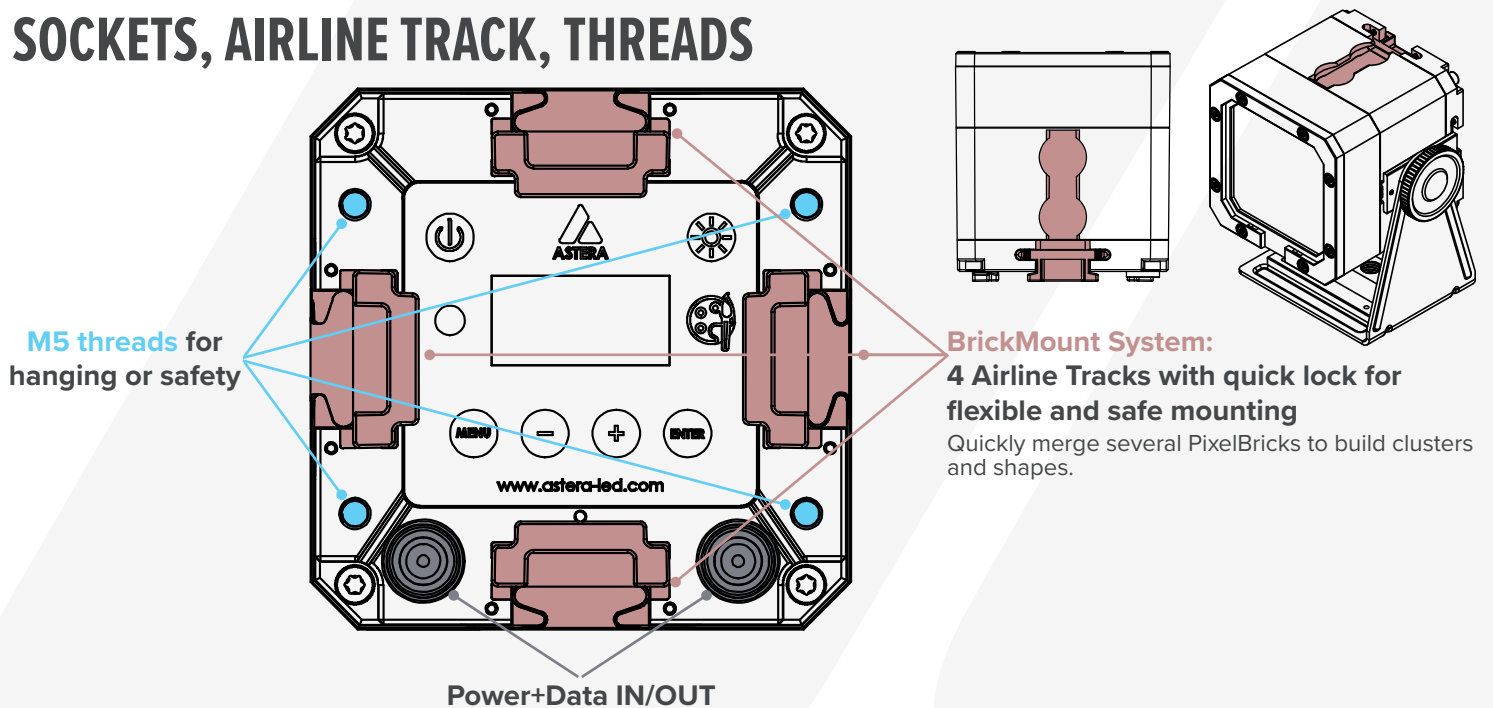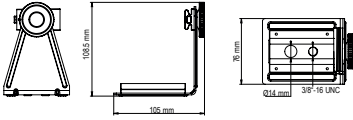
DRAWINGS
WITHOUT BRACKET

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

ACCESSORIES

BrickBracket
PB15-BBR

included

Weight (1pc): 270g / 5.59lbs

108.5 mm · 105 mm · 76 mm · Ø14 mm · 3/8"-16 UNC

Removeable
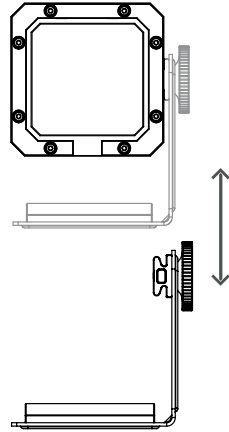
Tiltable
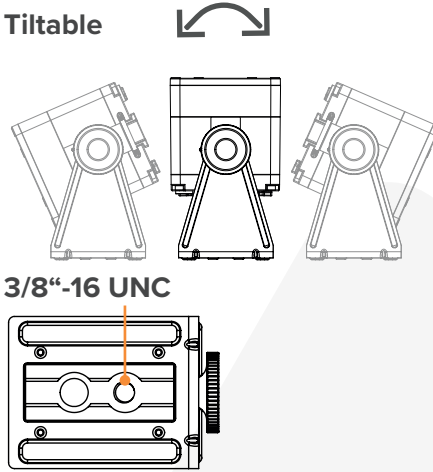
AirlineTrack on bottom for mounting

3/8"-16 UNC
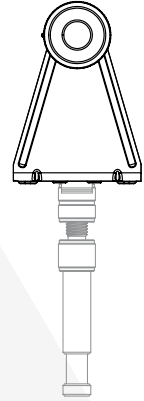
BrickHinge
PB15-BHI

100 mm · 73.1 mm · 57 mm
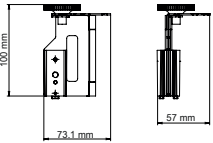
Weight: 220g / 0.48lbs

BrickHinge on PixelBrick to create several shapes

BrickTilt
PB15-BTLT

139 mm · 94 mm · 30.5 mm
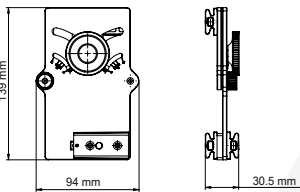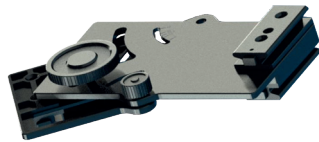
Weight: 270g / 0.59lbs

BrickTilt on PixelBrick

Tilt the angle of the Pixel-Brick outward or inward

Build creative shapes

BrickConnect
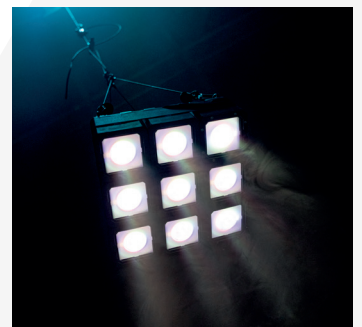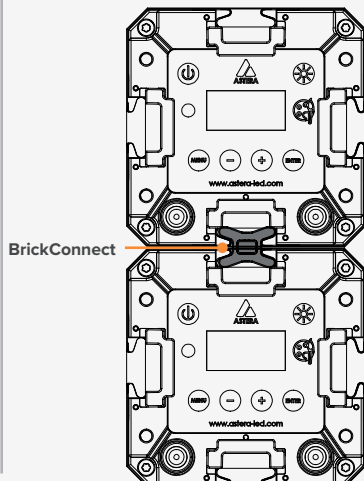PB15-BCN

included

23 mm · 50 mm · 15.2 mm
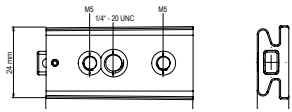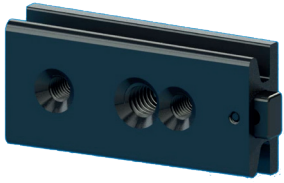
Weight (1pc): 27g / 0.059lbs
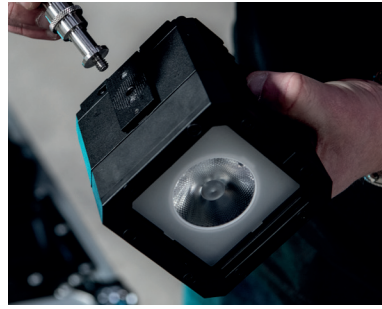
Connect your PixelBricks to several shapes
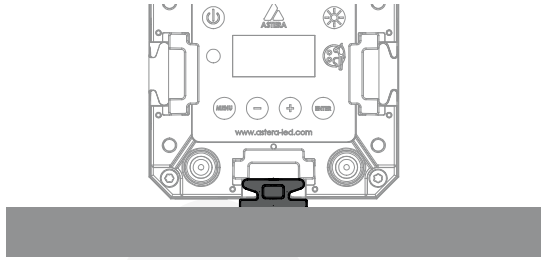
BrickConnect

BrickMount
PB15-BMO

Weight (1pc): 25g / 0.55 lbs
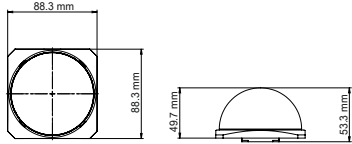
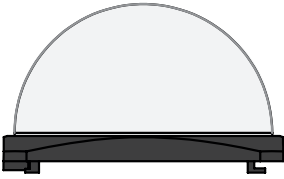## BrickMount on PixelBrick

Mounted on plate

BrickDome
PB15-BDM

88.3 mm
88.3 mm
49.7 mm
53.3 mm

BrickDome on PixelBrick

Filters

included

included
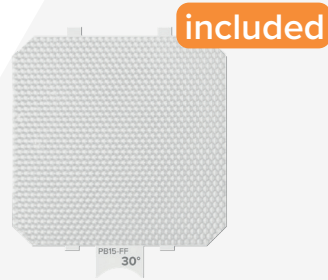
FloodFilter 30°
PB15-FF

BeamSoftener 17°
PB15-BSO

TrackPin
AX-TP

EyeBolt
FP1-EBLT

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

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

ChargingCase
PB15-CHRCSE

Weight (empty): 6.8kg / 15lbs
Weight (full): 16.3kg / 36lbs

Dimensions (mm/inch)
541.5 x 400 x 205.5 / 21.3 x 17.44 x 8.1
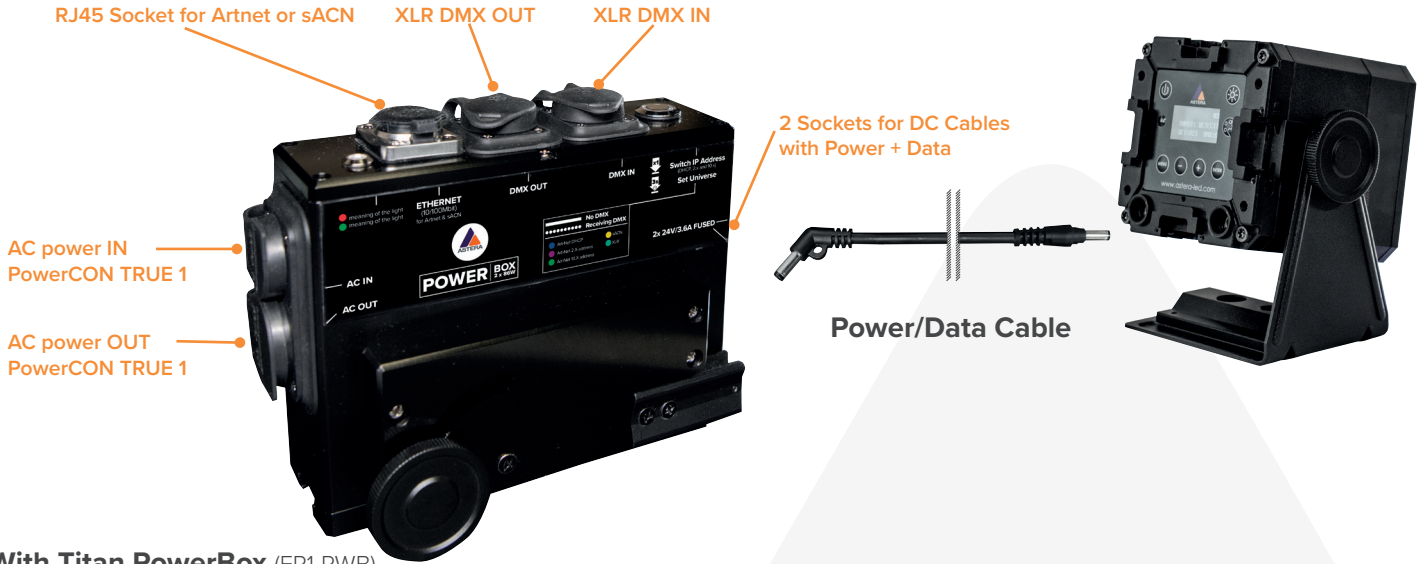
AccessoryCase
PB15-ACCCSE

Weight (empty): 7kg / 15.4lbs
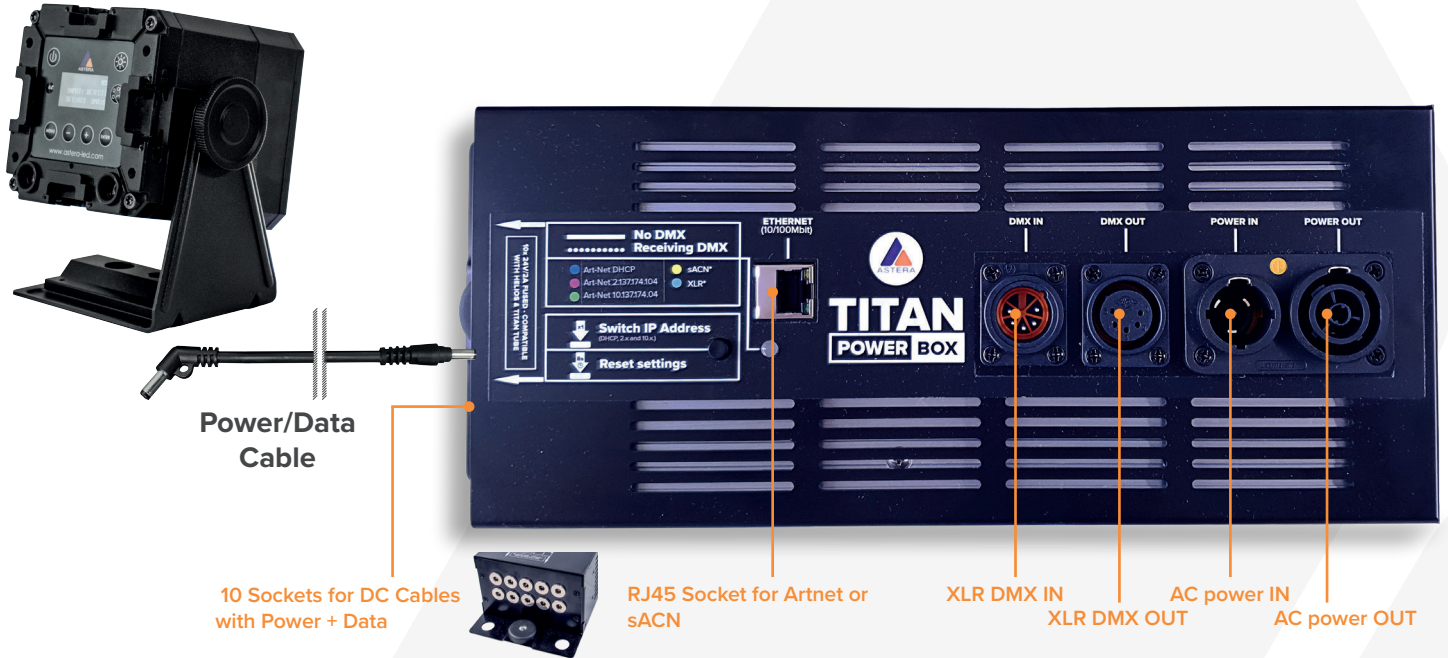Weight (full): 13.3kg / 29.3lbs

Dimensions (mm/inch)
541.5 x 400 x 205.5 / 21.3 x 17.44 x 8.1
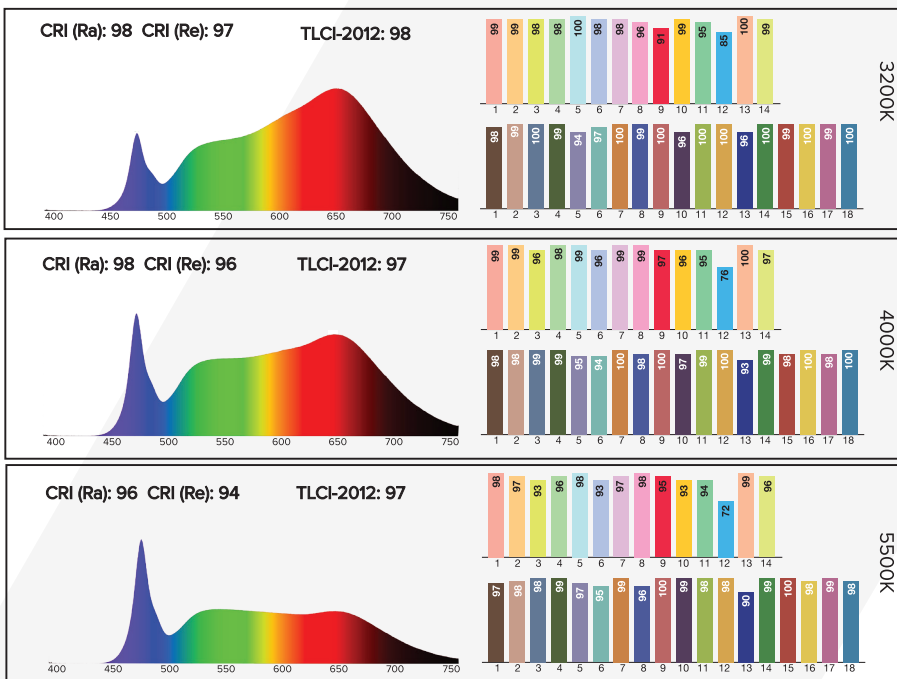
CHARGING & CONNECTING

With PowerBox 2x86 (PWB-2-86)

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

With Titan PowerBox (FP1-PWB)

Power/Data Cable

10 Sockets for DC Cables with Power + Data

RJ45 Socket for Artnet or sACN

XLR DMX IN
XLR DMX OUT

AC power IN
AC power OUT

TYPICAL SPECTRAS

CRI (Ra): 98   CRI (Re): 97   TLCI-2012: 98   3200K

CRI (Ra): 98   CRI (Re): 96   TLCI-2012: 97   4000K

CRI (Ra): 96   CRI (Re): 94   TLCI-2012: 97   5500K

Typical values