PixLite® T8-S Mk3
Long Range Pixel Transmitter

Made in Australia
5 Year Warranty

KEY FEATURES

Send Data up to 300m to Receivers

96 Universes of Art-Net or sACN

Over 70+ Pixel Protocols Supported

microSD Card Slot for Advatek SHOWTime™

Dual Gigabit Ethernet Ports

Auxiliary Port for DMX512 In/Out

Configure Using Any Web Browser or Advatek Assistant 3 Software

Electrical Fault Protection on All Ports

ADVATEK
LIGHTING

PRODUCT OVERVIEW

The PixLite T8-S Mk3 is a powerful pixel LED controller built upon Advatek's 3rd generation PixLite Mk3 processor. The feature set of this processor are too significant to fit here, explore in the PixLite Mk3 Processor Datasheet.

The PixLite T8-S Mk3 transmits up to 96 universes of data to 8 PixLite R2/R4 receivers at distances up to 300m. Perfect for any professional installation where the LEDs will be separated by some distance.

A CLOSER LOOK AT THE TRANSMITTER

DUAL GIGABIT ETHERNET PORTS

Simplify your network infrastructure by daisy chaining PixLite controllers together. Maintain high network reliability by optionally connecting a redundant Ethernet line to any loop with a suitable switch.

Ethernet ports are fully equipped with a Universe Data Hardware Firewall to ensure your PixLite can constantly perform at its peak.

SHOWTime

SHOWTime™ unleashes the potential of Advatek PixLite® Mk3 devices to independently drive light shows without a computer or any source of live data.

SHOWTime™ allows users to record and play back pixel shows from the PixLite T8-S Mk3 using the inbuilt microSD slot. Design your own breathtaking pixel shows, record them directly onto the microSD card and play them back as many times as you wish.

SHOWTime™ also unlocks the ability to create up to 25 powerful triggers and use advanced intensity controls to enable true standalone behavior and enhance live environments.v

AUXILIARY PORT

Versatile RS485 Auxiliary port can be used as either an input or an output.

As an output, connect DMX512 devices to the port and control them via sACN or Art-Net. As an input, connect a DMX512 source directly to the PixLite and use DMX512 as the data source for your pixels, or as a trigger source, or as a live intensity data source.

FAULT PROTECTION

Features electrical fault protection on all ports resulting in higher reliability and fewer equipment failures. See details on next page.

CERTIFICATIONS

5 YEAR WARRANTY

For your absolute peace of mind, all Mk3 products come with a 5-year warranty. All products need to be used and installed in accordance with their designed purpose and operating environment. Please register your product on our website.

SPECIFICATIONS

PHYSICAL

RJ45 Data Outputs	8
Ethernet Ports	2 x 10/100/1000 Mbit/s
microSD Card Slot	1
Auxiliary Port	1 x RS485 Input/Output
Dimensions (inc. connectors)	169 x 221 x 42mm
Weight	1.1kg
Enclosure	Aluminium
Mounting	Direct Panel, Wall & Rack Mountable

CERTIFICATIONS & MARKS

North America	ETL Listing (Equivalent to UL Listing)
Europe	CE
North America	FCC
Canada	ICES3
Australia & New Zealand	RCM
United Kingdom	UKCA

POWER

Input Power	100V-240V AC
AC Fuse	1A M205

THERMAL

Ambient Operating Temperature	-10ºC to +60ºC
Storage Temperature	-10ºC to +60ºC

FAULT PROTECTION

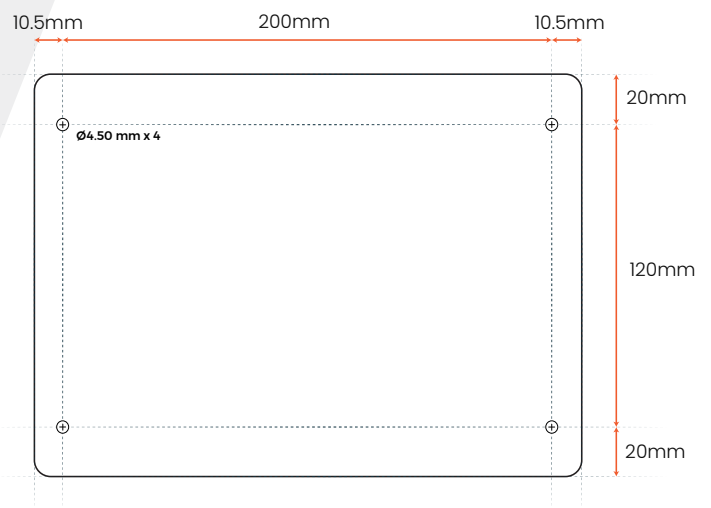|	
Electrostatic Discharge (ESD)	All ports protected
Auxiliary Port	+/- 48V DC fault protection
Pixel Data Outputs	+/- 36V DC fault protection

TESTING STANDARDS

Audio/Video & ICTE - Safety Requirements	UL 62368-1
Radiated & Conducted Emissions	EN 55032 & FCC Part 15
Multimedia Immunity	EN 55035
Harmonic Current Emissions	EN 61000-3-2
Voltage Fluctuations and Flicker Emissions	EN 61000-3-3
RoHS	RoHS 2 + DD (EU) 2015/863

PIXEL DATA

	EXPANDED MODE DISABLED / ENABLED	
Pixel Outputs	16 /	32
RGB Pixels per Output	1020 /	510
RGBW Pixels per Output	768 /	384
Universes per Pixel Output	6 /	3
Total Pixel Universes	96 /	96

INSTALLATION

Refer to installation instructions in the Product User Manual for acceptable use and storage requirements.

Standard	Indoors Only
With Conformal Coating	May be installed outdoors when installed inside a weatherproof enclosure

OVERALL DIMENSIONS
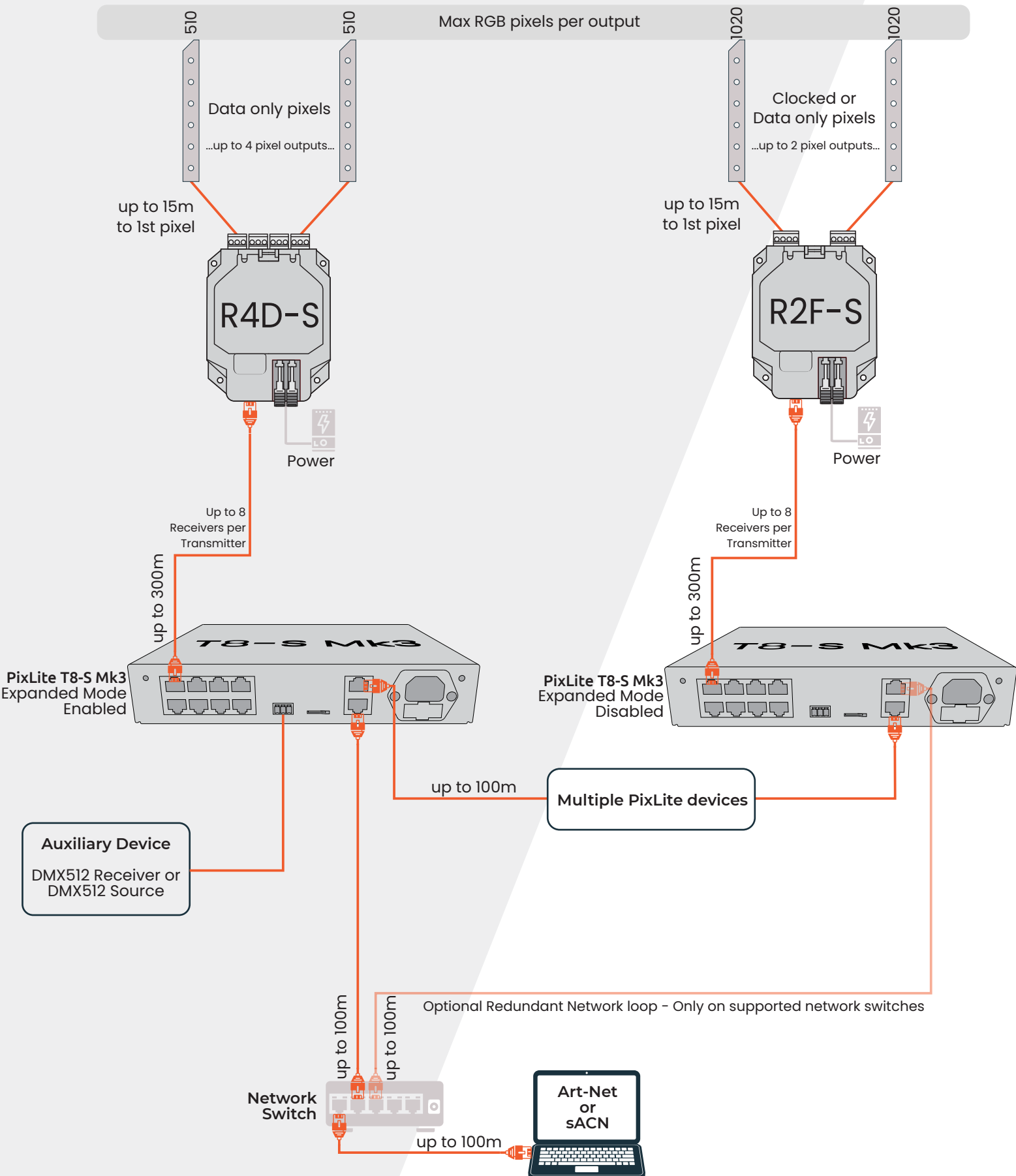

221mm
169mm
42mm

MOUNTING DIMENSIONS

10.5mm   200mm   10.5mm
Ø4.50 mm x 4
20mm
120mm
20mm

TYPICAL WIRING DIAGRAM

510   510   Max RGB pixels per output   1020   1020

Data only pixels

...up to 4 pixel outputs...

Clocked or Data only pixels

...up to 2 pixel outputs...

up to 15m to 1st pixel

up to 15m to 1st pixel

R4D-S

R2F-S

Power

Power

Up to 8 Receivers per Transmitter

Up to 8 Receivers per Transmitter

up to 300m

up to 300m

T8-S Mk3

T8-S Mk3

PixLite T8-S Mk3 Expanded Mode Enabled

PixLite T8-S Mk3 Expanded Mode Disabled

up to 100m

Multiple PixLite devices

Auxiliary Device

DMX512 Receiver or DMX512 Source

Optional Redundant Network loop - Only on supported network switches

up to 100m   up to 100m

Network Switch

Art-Net or sACN

up to 100m

OPTIONAL ACCESSORIES

WALL MOUNT

1U RACK - SINGLE

1U RACK - DUAL

COMPATIBLE RECEIVERS

PixLite R4D-S

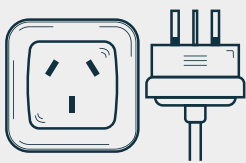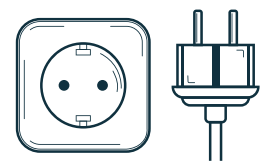### PixLite R2F-S

POWER SOCKET OPTIONS
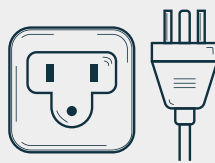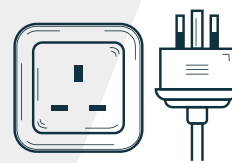
Type I	Type B	Type G	Type F

ORDER CODES

ITEM	CONFORMAL COATING	VARIANT	LOCATION	ORDER CODE
PixLite T8-S Mk3		Type I	Australia	PIXT8S3AU
PixLite T8-S Mk3		Type B	United States	PIXT8S3US
PixLite T8-S Mk3		Type G	United Kingdom	PIXT8S3UK
PixLite T8-S Mk3		Type F	Europe	PIXT8S3EU
PixLite T8-S Mk3	Yes	Type I	Australia	PIXT8S3AU-CC
PixLite T8-S Mk3	Yes	Type B	United States	PIXT8S3US-CC
PixLite T8-S Mk3	Yes	Type G	United Kingdom	PIXT8S3UK-CC
PixLite T8-S Mk3	Yes	Type F	Europe	PIXT8S3EU-CC
Mounting Bracket		Wall		MNT0301
Mounting Bracket		1U Rack - Single		MNT0201
Mounting Bracket		1U Rack - Dual		MNT0202
PixLite R2F-S				PIXR2FS
PixLite R4D-S				PIXR4DS
PixLite R2F-S	Yes			PIXR2FS-CC
PixLite R4D-S	Yes			PIXR4DS-CC
Mounting Bracket		Din-Rail		MNT0101