PixLite® R2F-S
Long Range Receiver

KEY FEATURES

Receive Data up to 300m from Transmitter

Up to 12 Universes of Clocked or Data-Only Pixels

Power In and Fuse Good LED Indicators

Electrical Fault Protection on all Ports

Compact Form Factor

Made in Australia

3 Year Warranty

ADVATEK

LIGHTING

PRODUCT OVERVIEW

The PixLite R2F-S is a pixel LED controller that's built to last and has all the protection one needs for peace of mind with professional installations.

Paired with a PixLite T8 controller, the PixLite R2F-S receives differential (long distance) data and converts it into a pixel ready signal. Perfect for any professional installation, particularly when the LEDs will be separated by some distance.

A CLOSER LOOK AT THE RECEIVER

2 FULL PIXEL OUTPUTS

2 individually fused outputs suitable for clocked or data-only pixel LEDs (see next page for details).

FAULT PROTECTION

Features electrical fault protection on all inputs and all pixel output lines, resulting in higher reliability and less equipment failures over time. Each output also includes a 7.5A mini blade fuse which will help protect the pixels and power supply in a fault condition, as well as keeping the installation safe. See details on next page.

SMALL FORM FACTOR

Compact, lightweight, slimline unit designed for mounting in tight spaces

QUICK CONNECT POWER

High current quick connect clamp connector for fast and reliable power connection

CONTENTS

PixLite R2F-S
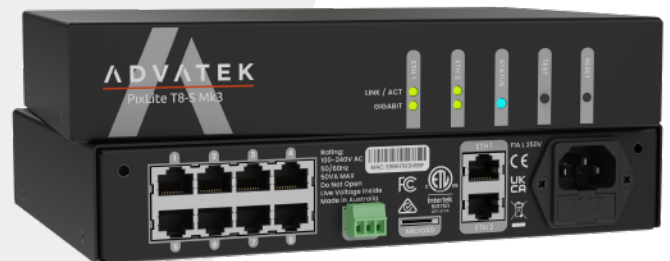Installation Guide

CERTIFICATIONS

COMPATIBLE TRANSMITTERS

PixLite T8-S Mk3
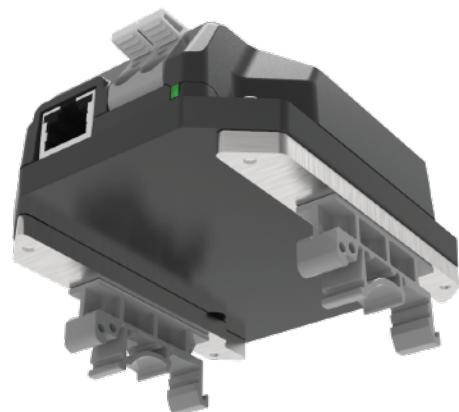
PixLite T8-S Mk2

OPTIONAL ACCESSORIES

Din-Rail Mounting Bracket

ADVATEK
L I G H T I N G

SPECIFICATIONS

PHYSICAL

Pixel Outputs	2 x Powered
Data Input (From PixLite Transmitter)	1 x RJ45
Dimensions (excluding connectors)	95 x 78 x 33mm
Weight	0.2kg
Enclosure	High Strength ABS - Black
Mounting	Wall & Din-Rail Mountable

FAULT PROTECTION

Electrostatic Discharge (ESD)	All ports protected
Data Input	+/- 24V DC fault protection
Pixel Output Clock/Data	+/- 24V DC fault protection
Pixel Output Power	Over Current and Short Circuit Protection

THERMAL

Ambient Operating Temperature	-20ºC to +55ºC

POWER

Input Power	5V - 24V DC
Per Output Current Limit	7.5A (Mini Blade Fuse)
Total Current Limit	15A

CERTIFICATIONS & MARKS

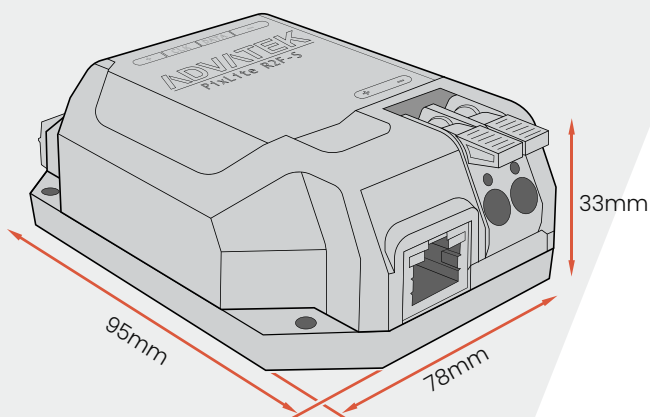|	
North America	ETL Listing (Equivalent to UL Listing)
Europe	CE
North America	FCC
Canada	ICES3
Australia & New Zealand	RCM
United Kingdom	UKCA

TESTING STANDARDS

Audio/Video & ICTE - Safety Requirements	UL 62368-1
Radiated & Conducted Emissions	EN 55032 & FCC Part 15
Immunity for ITE	EN 55024
Restriction of Hazardous Substances	RoHS 3

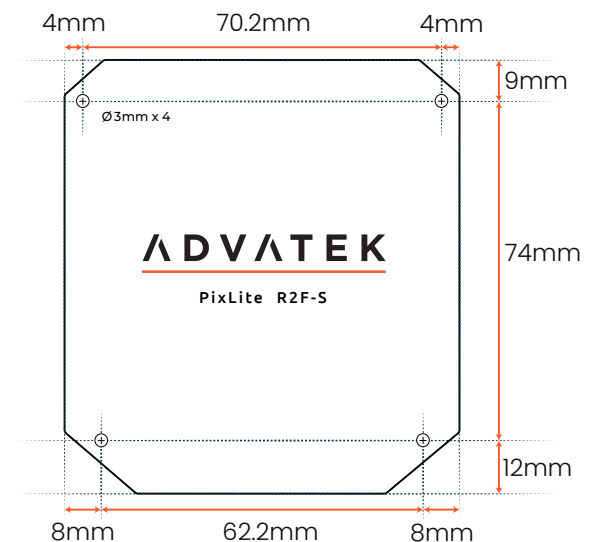## PIXEL DATA *(Limits are set by the configuration of the transmitter)*

EXPANDED MODE DISABLED

Pixel Outputs	2
RGB Pixels per Output	1024
RGBW Pixels per Output	768
Universes per Pixel Output	6
Total Pixel Universes	24

OVERALL DIMENSIONS

95mm | 78mm | 33mm

MOUNTING DIMENSIONS

4mm | 70.2mm | 4mm
Ø3mm x 4
9mm

ADVATEK
PixLite R2F-S

74mm

8mm | 62.2mm | 8mm
12mm

PixLite® R2F-S
Long Range Receiver

TYPICAL WIRING DIAGRAM

ALTERNATIVE RECEIVER		Max RGB pixels per output	THIS RECEIVER	
510	510		1020	1020

ALTERNATIVE RECEIVER

Data only pixels

...up to 4 pixel outputs...

up to 15m to 1st pixel

R4D-S

Up to 8 Receivers per Transmitter

Power

up to 300m

PixLite T8-S
Expanded Mode
Enabled

up to 100m

up to 100m

Network Switch

up to 100m

Art-Net or sACN

THIS RECEIVER

Clocked or Data only pixels

...up to 2 pixel outputs...

up to 15m to 1st pixel

R2F-S

Up to 8 Receivers per Transmitter

Power

up to 300m

PixLite T8-S
Expanded Mode
Disabled

CONNECTIONS TO PIXELS

Pixels .... Clocked
Expanded Mode .... Disabled

Positive
Clock
Data
Gnd
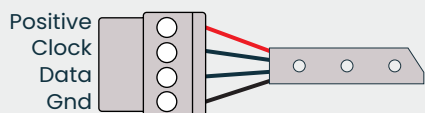
Pixels .... Data Only
Expanded Mode .... Disabled

Positive
Data
Gnd
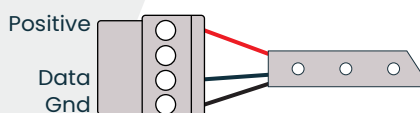
ORDER CODES

PixLite R2F-S PIXR2FS
Din-Rail Mounting Bracket MNT0101