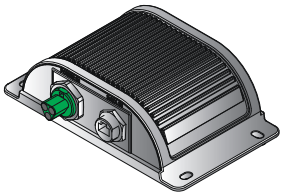
traxon

Date: _____ Quantity: _____

Company: _____

Project: _____



Quattro AC Data Injector

The Quattro AC Data Injector is used in conjunction with Quattro AC XB RGBW / DW high brightness fixtures, allowing simple connections of an AC daisy-chain system with DMX512 control with universal voltage.

IP66

Accessories

Model No.	Description	Item Code
XB.AC.4000000	Quattro AC XB Data Injector (ETL Lighting / CE IT)	AB389160055
XB.AC.4000100	Quattro AC XB Data Injector (CE Lighting)	AB444880055

Product Specifications

	XB.AC.4000000	XB.AC.4000100
Power Input	AC line (100-277V AC 50/60Hz)	AC line (220-240V AC 50/60Hz)
Data Input / Output	DMX512 / DMX512 (with programmable offset)	
Power / Data Output	AC + Data	
Power Consumption	2W max.	
Current Rating	15A max.	9.9A max.
Housing	Aluminium	
Size (L x W x H)	200 x 118 x 59mm 7.9” x 4.7” x 2.3”	
Weight	0.9kg/2lbs	
Regulatory Listing & Safety Approval	cETLus (Lighting), CE (IT)	CE (Lighting)
Operating Temperature	–30°C to +50°C / –22°F to +122°F	
Storage Temperature	–40°C to +70°C / –40°F to +158°F	
Environment	Outdoor (IP66)	
Humidity	90% max. non-condensing	

Connector Specifications

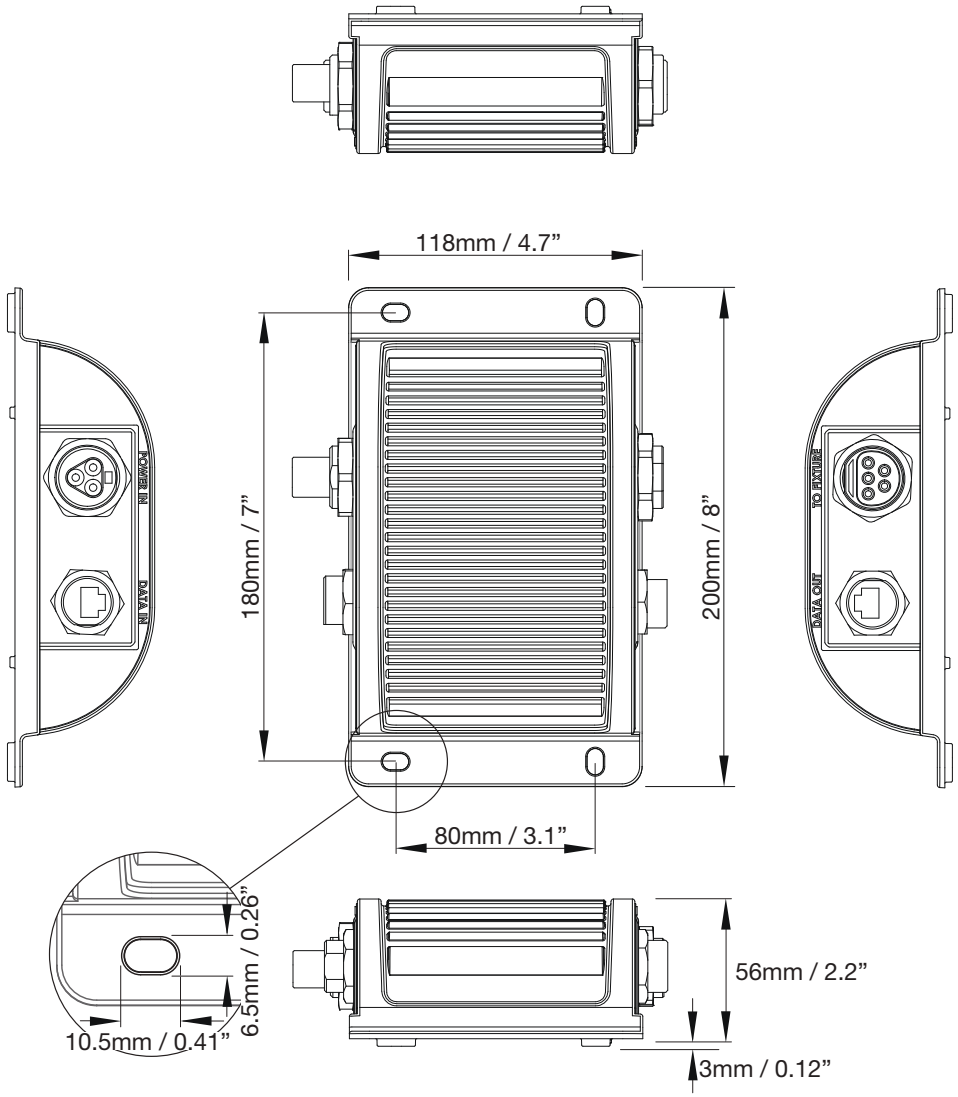
POWER IN	3-pin male connector
DATA IN	RJ45
DATA OUT	RJ45
POWER / DATA OUT	5-pin female connector

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers “sort” LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

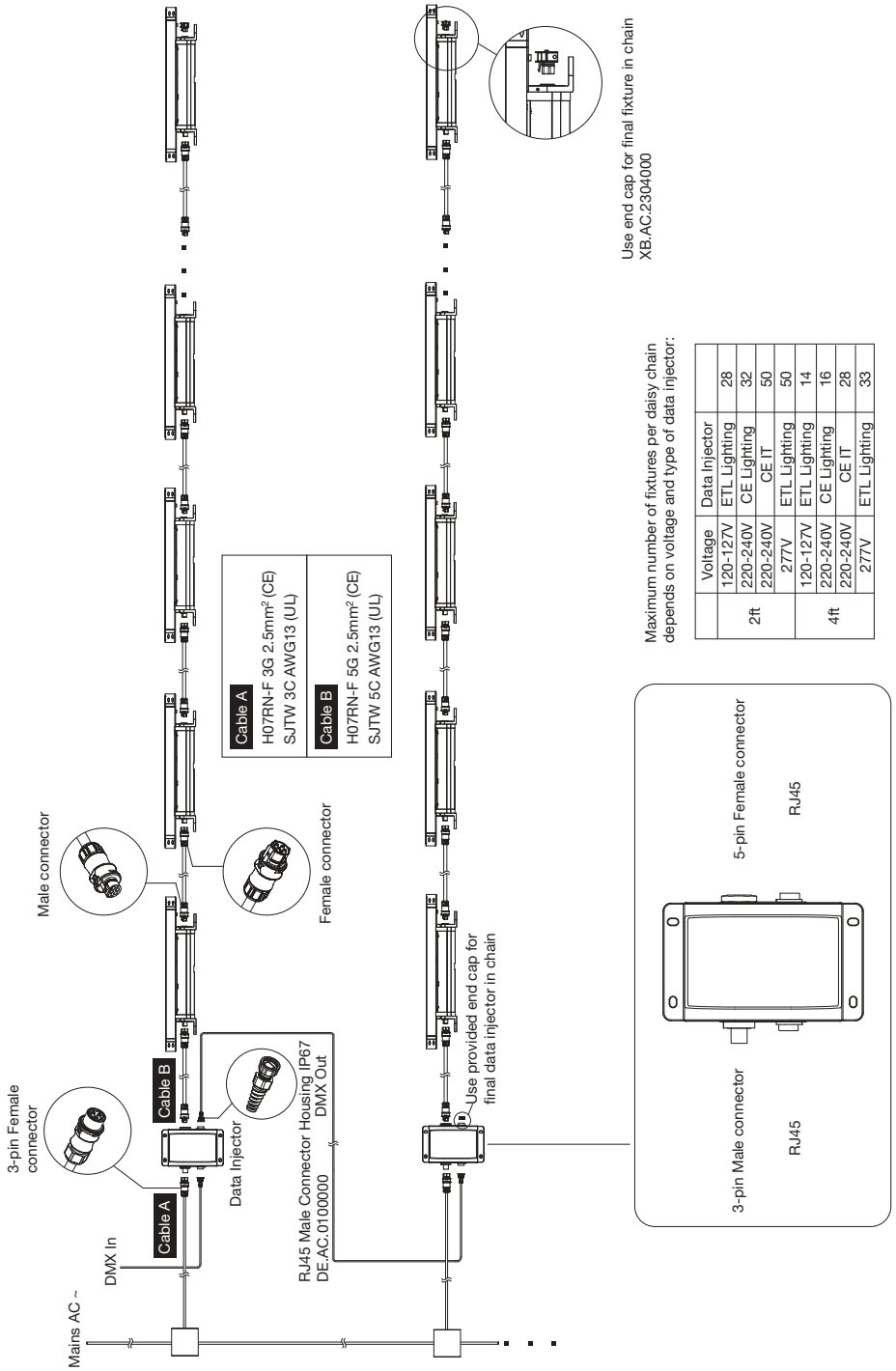
Double insulation is maintained between LV circuit and SELV circuit.
Data Injector is compatible to Fixed General Purpose Luminaire LED Lamp Type.

www.traxontechnologies.com



Quattro AC Data Injector

System Diagram



Maximum number of fixtures per daisy chain depends on voltage and type of data injector:

	Voltage	Data Injector	
2ft	120-127V	ETL Lighting	28
	220-240V	CE Lighting	32
	220-240V	CE IT	50
	277V	ETL Lighting	50
4ft	120-127V	ETL Lighting	14
	220-240V	CE Lighting	16
	220-240V	CE IT	28
	277V	ETL Lighting	33

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