



TRAXON

Date: _____ Quantity: _____
Company: _____
Project: _____



Allegro Dot PXL Distributor

Allegro Dot PXL Distributor is the intelligent control hub for Allegro dynamic dot range fixture. The integrated controller allows direct Ethernet communication with RDM control and configuration flexibilities.



Accessories

Model No.	Description	Item Code
DO.AD.0001020	Allegro Dot PXL Distributor	AM278810055

Product Specifications

Power Input	30V DC
Data Input / Output	DATA IN: DMX512 / RDM / e:pix / e:net DATA OUT: DMX512 / RDM / e:pix
Power Consumption	2W max.
Current Rating	8A max. (3.3A max. for Class 2 only)
Housing	Aluminium
Size (L x W x H)	244.2 x 68 x 50mm 9.6" x 2.7" x 2"
Weight	0.8kg/1.8lb
Regulatory Listing & Safety Approval	cETLus, CE
Operating Temperature	-30°C to +60°C/-22°F to +140°F -30°C to +50°C/-22°F to +122°F (for North America)
Storage Temperature	-40°C to +70°C/-40°F to +158°F
Environment	Outdoor (IP66, IP67), suitable for coastal environments
Humidity	90% max. non-condensing

Connector Specifications

POWER IN	2-pin screw type male connector
DATA IN	RJ45
DATA OUT	RJ45
OUTPUT	6-pin x-lock 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.



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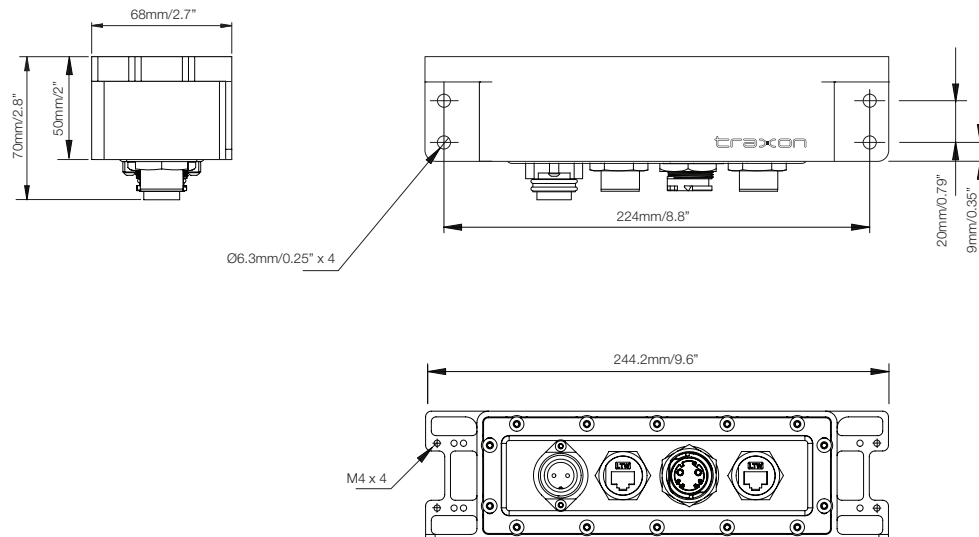


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Dimensions

Allegro Dot PXL Distributor



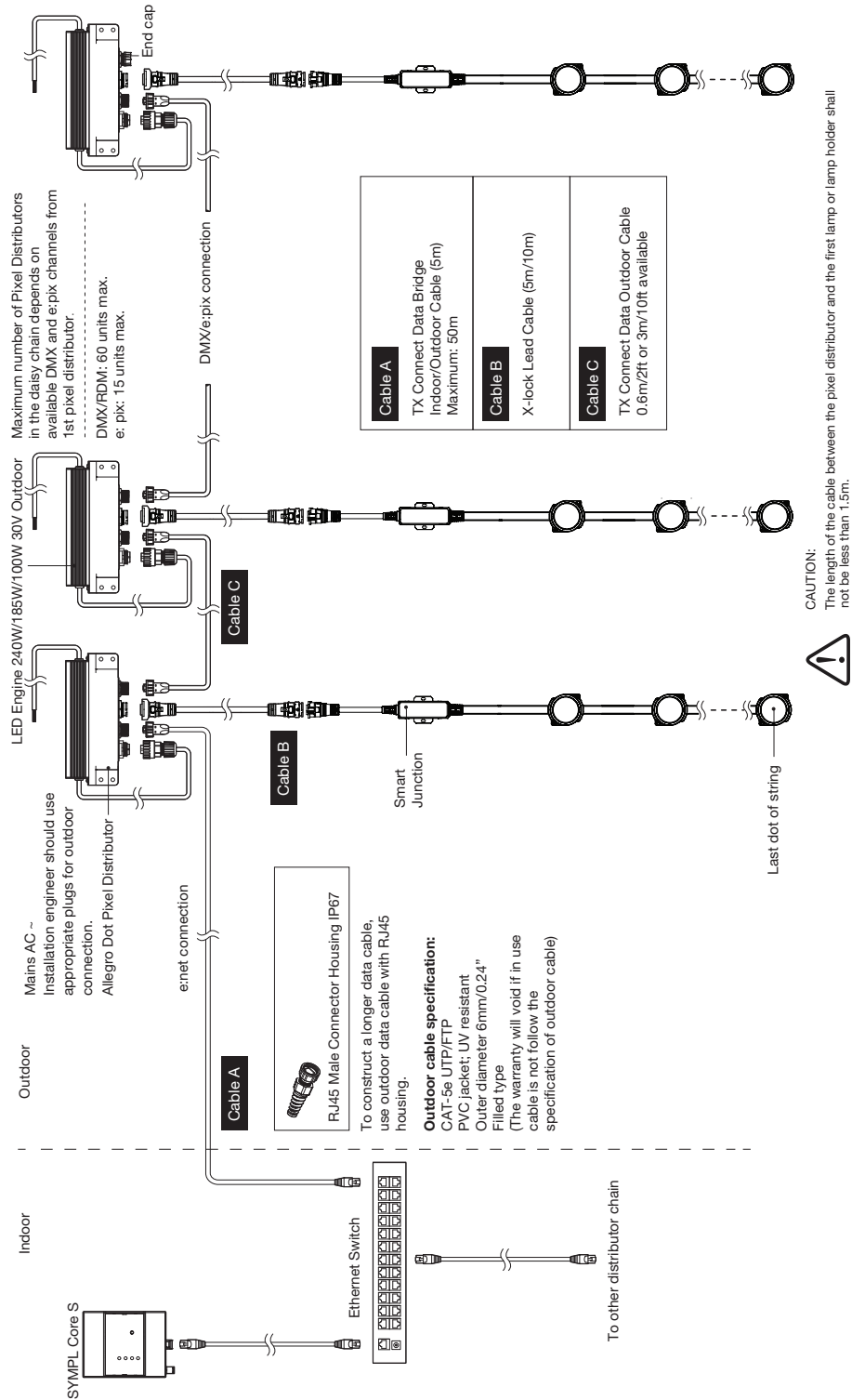


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Allegro Dot PXL Distributor

System Diagram

System Diagram - e:net connection





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Allegro Dot PXL Distributor

System Diagram

System Diagram-DMX/e:pix connection

