

Date:	Quantity:	
Company:		
Project:		



Dot XL CW is an extra bright Cold White clear or diffused dot, with 6 or 9 LEDs per dot casing. The dots are constructed on a flexible cable with a customizable pitch containing up to 32 dots (9-LED) or 47 dots (6-LED). The dots are single dot controllable by DMX512 or e:pix (DVI capable), and are connected per string using the Dot XL Pixel Distributor. The Pixel Distributors can be daisy chained to form large installations.



CREE♠







Product Specifications

Product Specifications				
Model ¹	Dot XL-6	Dot XL-6 with diffuser	Dot XL-9	Dot XL-9 with diffuser
Number of Pixel	40PXL		32PXL	
Light Source	6 high intensity SMT	Warm White LED per dot	9 high intensity SMT	Warm White LED per dot
Color Temperature	6500K - Cold White			
Viewing Angle	120°	170°	120°	170°
Luminous Flux ²	66.4 lm	44.5 lm	101.4 lm	64.1 lm
Efficacy ²	26.6 lm/W	17.8 lm/W	29 lm/W	18.3 lm/W
Cover Lens	Clear PC	Diffuser dome (PC)	Clear PC	Diffuser dome (PC)
LED Pitch	300mm standard; 10	0mm minimum for custom	nized models	
Lead Cable Length	5m standard			
Housing	Die cast aluminium w	ith PC cover		
Adjustment Options	Flexible cable			
Dimensions (∅ x H)	Ø66 x 15.6mm Ø2.6" x 0.6"	Ø66 x 36mm Ø2.6" x 1.4"	Ø66 x 15.6mm Ø2.6" x 0.6"	Ø66 x 36mm Ø2.6" x 1.4"
Weight	80g (Dot); 670g (Pixe	I Distributor)		
Regulatory Listing & Safety Approval	CE, cETLus			
Operating Temperature	-20°C to +50°C / -4	°F to +122°F		
Storage Temperature	-20°C to +70°C / -4	°F to +158°F		
Environment	Outdoor (Dot XL - IP6	67 rated; Pixel Distributor	- IP66 rated; PSU - IP6	7 rated)
Humidity	0 to 90%, non-conde	ensing		

Electrical Specifications

Operating Voltage	15V DC	
Power Consumption ²	2.5W	3.5W

System Specifications

Power/Data Interface	TX CONNECT
Control	DMX512 / e:pix
Power Supply	LED Engine 150W 15V Outdoor (see Ordering page for details)
Addressing Options	Auto Addrossing

^{1.} Diffuser Dome is available upon request. Please consult your regional Traxon office for further details and aid.

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 emperature 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 iteratives.

This product is NOT suitable for coastal environments. Any such installation will void the product warranty.

www.traxontechnologies.com



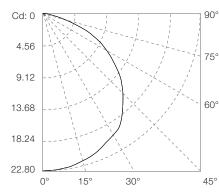
Photometrics

Source Specifications

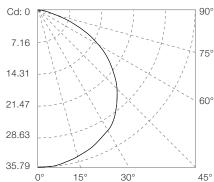
Source	6 Cold White LEDs (One Dot XL-6)	9 Cold White LEDs (One Dot XL-9)
Optics	120° (clear cover)	
Cover Lens	Clear PC	
CCT	6500K - Cold White	

Candela Distribution

Light Output

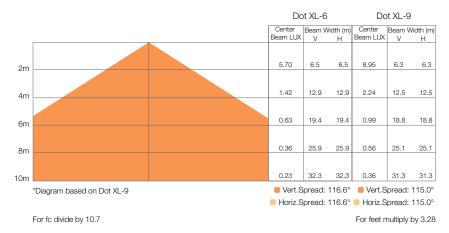


	Color	Luminous Flux (lm)	Efficacy (lm/W)
Dot XL-6	Cold White	66.42	26.6



	Color	Luminous Flux (lm)	Efficacy (lm/W)
Dot XL-9	Cold White	101.41	29.0

Illuminance at a Distance



IES and LDT files are available for download from the Traxon website.

www.traxontechnologies.com



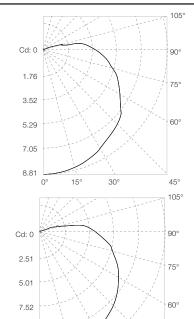
Photometrics

Source Specifications

Source	6 Cold White LEDs (One Dot XL-6)	9 Cold White LEDs (One Dot XL-9)
Optics	170°	
Cover Lens	Diffuser Dome (PC)	
CCT	6500K - Cold White	

Candela Distribution

Light Output



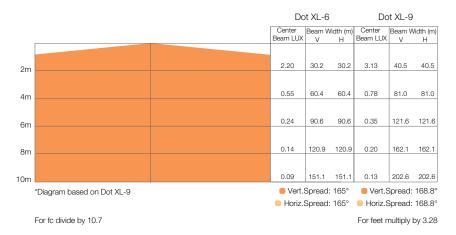
	Color	Luminous Flux (Im)	Efficacy (lm/W)
Dot XL-6	Cold White	44.48	17.8

	Color	Flux (lm)	(lm/W)
Dot XL-9	Cold White	64.14	18.3

Efficacy

Illuminance at a Distance

10.03 12.53



 $\ensuremath{\mathsf{IES}}$ and LDT files are available for download from the Traxon website.

45°

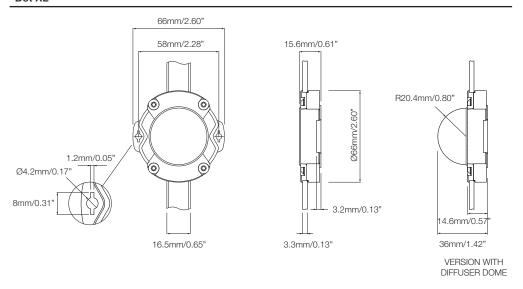
www.traxontechnologies.com

Product Specification

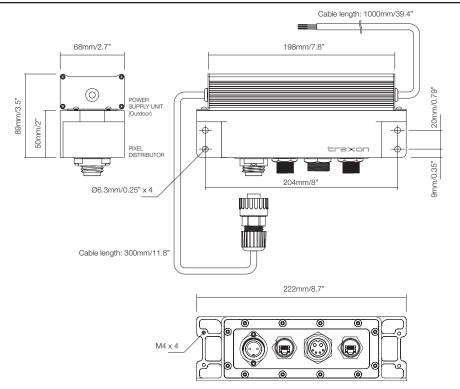


Dimensions

Dot XL



Pixel Distributor with Power Supply (Outdoor)

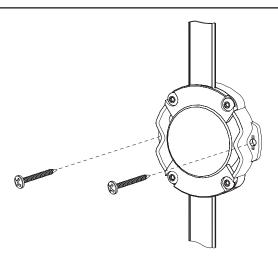


www.traxon technologies.com

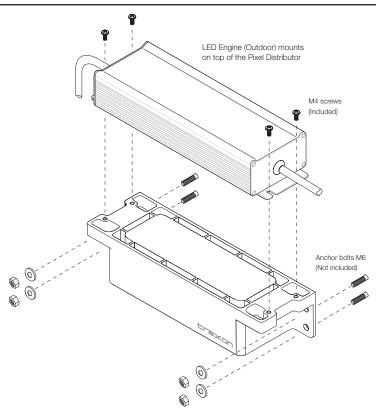


Mounting

Dot XL



Pixel Distributor

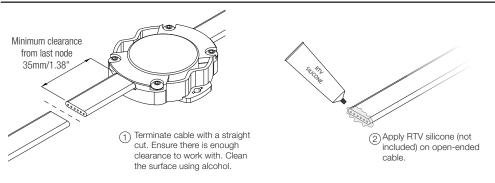


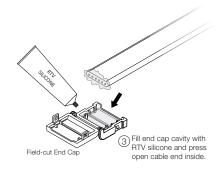
www.traxontechnologies.com

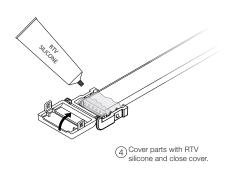


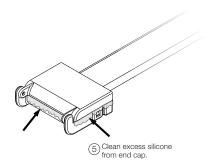
Mounting

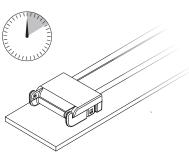
Terminating the Dot XL cable and sealing with Field-cut End Cap (End Cap not included)









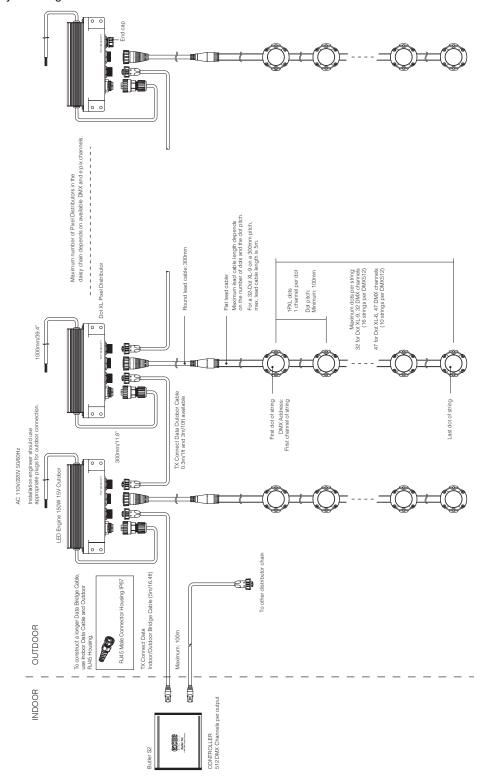


(6) Place on flat surface and put pressure on end cap (eg. with a weighted object) for the cure time recommended by RTV silicone's instructions.



System Diagram

System Diagram - Butler

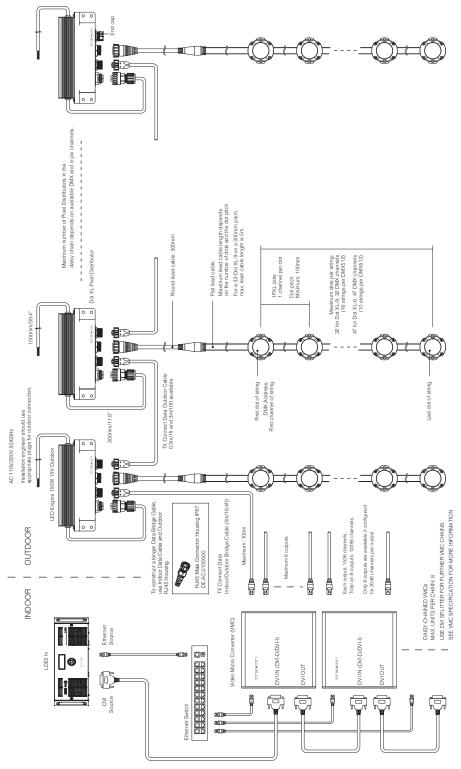


www.traxon technologies.com



System Diagram

System Diagram - Video Micro Converter



www.traxontechnologies.com



Ordering

Fixtures

• Please contact regional Traxon sales office for details

Standard Accessories (Included in Delivery)

Model No.	Description	Item Code
N/A	1x Pixel Distributor, 4x M4 Screws	N/A

Optional Accessories

Model No.	Description	Item Code
DO.AC.0003600	Dot XL Field Cut End Cap (50pcs)	AA556200055

TX Control

Model No.	Description	Item Code
EN.BU.0000001	Butler S2	AB436200031
AC.BG.0000001	Butler S2 Garage (Optional)	AA611800031
160185	Video Micro Converter (DMX/e:pix)	AA438940235
160194	Video Micro Converter Garage (Optional)	AA623920031

TX Connect

Model No.	Description	Item Code
DE.AC.0000100	TX CONNECT Data Indoor/Outdoor Bridge Cable, 5m16.4ft	AA508850055
DI.IC.0100000	TX CONNECT Data Cable, 1m/3.28ft	AA556130055
DI.IC.0300000	TX CONNECT Data Cable 3m/9.84ft	A63408C0055
DI.IC.1000000	TX CONNECT Data Cable 10m/32.8ft	A6341040055
DE.IC.0060000	TX CONNECT Data Outdoor Cable, 0.6m/1.97ft	AA664580055
DE.IC.0300000	TX CONNECT Data Outdoor Cable, 3m/9.84ft	AA438810055
DE AC 0100000	B.145 Male Connector Housing IP67	AA556100155

TX Power

Model No.	Description	Item Code
PS.OA.0012000	LED Engine 150W 15V Outdoor	AA726910055

