Date: _____ Quantity: _____

Company: _____

Project: _____

ARCHISHAPE® 2.0 Dot S/M/L

ARCHISHAPE® 2.0 Dot is a high-brightness, fully customizable media dot solution. It provides a wide variety of options in terms of LED combinations and wattage. It is a cost effective solution for large scale media facade installations which fit for different contents and show designs.

CE IP66 IP67

Product Specifications

Model		S	M	L
Luminous Flux	RGB	24 lm	48 lm	70 lm
	RGBW	29 lm	83 lm	117 lm
Luminous intensity	RGB	9 cd	18 cd	26 cd
	RGBW	10 cd	30 cd	41 cd
Efficacy	RGB	24 lm/W	24 lm/W	23 lm/W
	RGBW	29 lm/W	41 lm/W	39 lm/W
Color/CCT		RGB, RGBW (White CCT: 6500K)		
LED Quantity		RGB: 3RGB RGBW: 3RGB + 1W	RGB: 6RGB RGBW: 4RGB + 2W	RGB: 9RGB RGBW: 6RGB + 3W
Cover Lens		Open beam, Diffuser Dome*		
Pixel Pitch		100mm to 2000mm Standard: 100mm	120mm to 2000mm Standard: 120mm	150mm to 2000mm Standard: 150mm
Housing		PC	Aluminium housing + PC cover	Aluminium housing + PC cover
Dimensions (L x W x H, exclude Mounting Bracket)		53mm x 26mm x 15mm	67.7mm x 52.2mm x 14mm	70.7mm x 55mm x 14mm
Weight		28.2g	66.9g	73.6g
Regulatory Listing & Safety Approval		CE		
Operating Temperature		-20°C to + 50°C/-4°F to +122°F		
Storage Temperature		-40°C to + 80°C/-40°F to +176°F		
Environment		Outdoor (IP66/IP67)		

Electrical Specifications

Input Voltage	RGB	15V DC	24V DC	15V DC
	RGBW	15V DC	15V DC	24V DC
Power Consumption		1W	2W	3W

System Specifications

Control		DMX512		
Max Interconnection per power Injection**	RGB	108	100	43
	RGBW	113	56	63

Items with * are non-standard items and are available on request. Specification is subject to change due to continuous improvement.
**The maximum interconnection of dots is calculated based on standard pixel pitch and 5m starter length with 320W power supply. For other configurations, please consult local sales office.

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.

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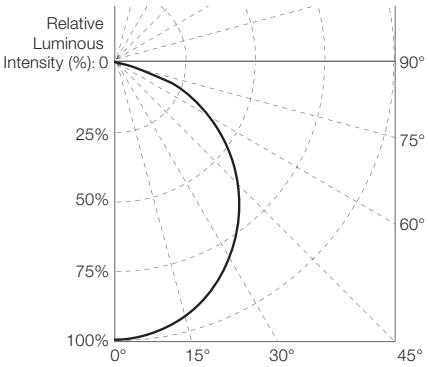
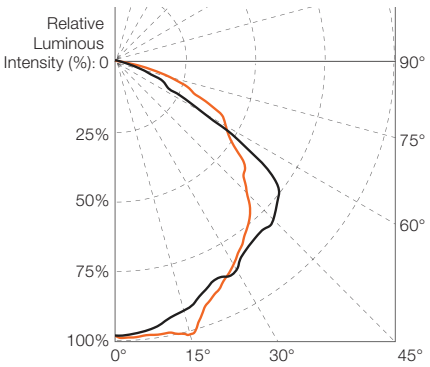
Photometrics

Candela Distribution

RGB, Clear

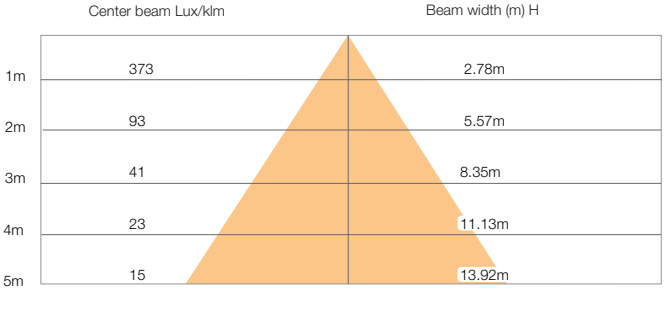


RGBW, Clear



Illuminance at a Distance

RGB, Clear

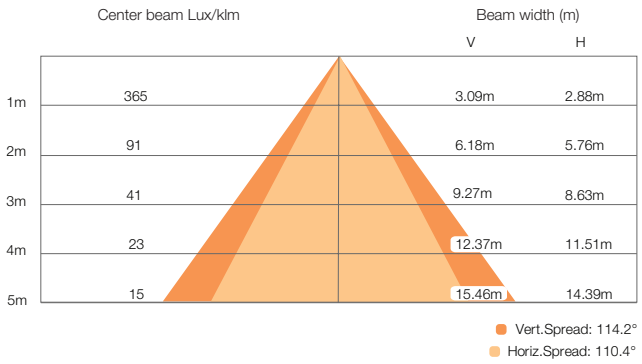


For fc divide by 10.7

For feet multiply by 3.28

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

RGBW, Clear



For fc divide by 10.7

For feet multiply by 3.28

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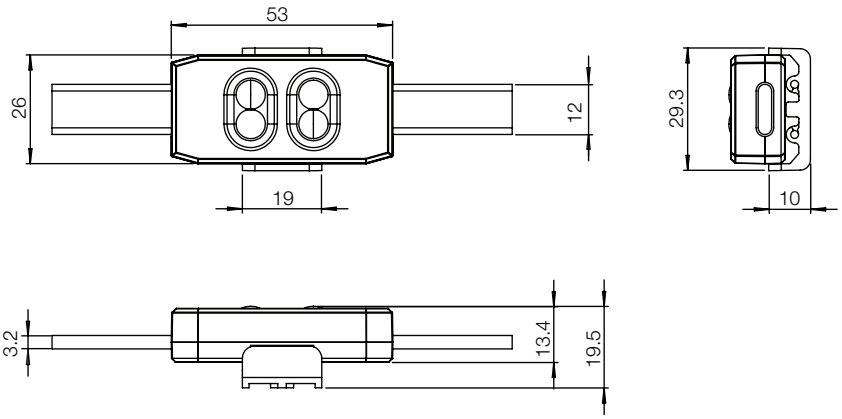
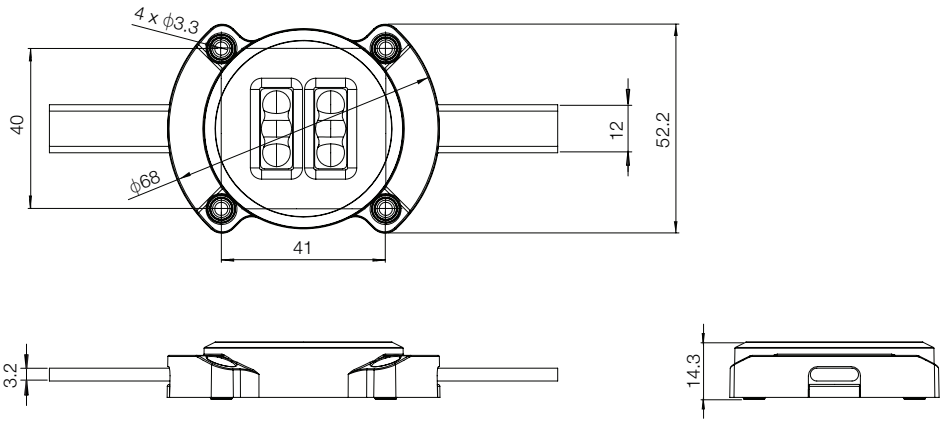
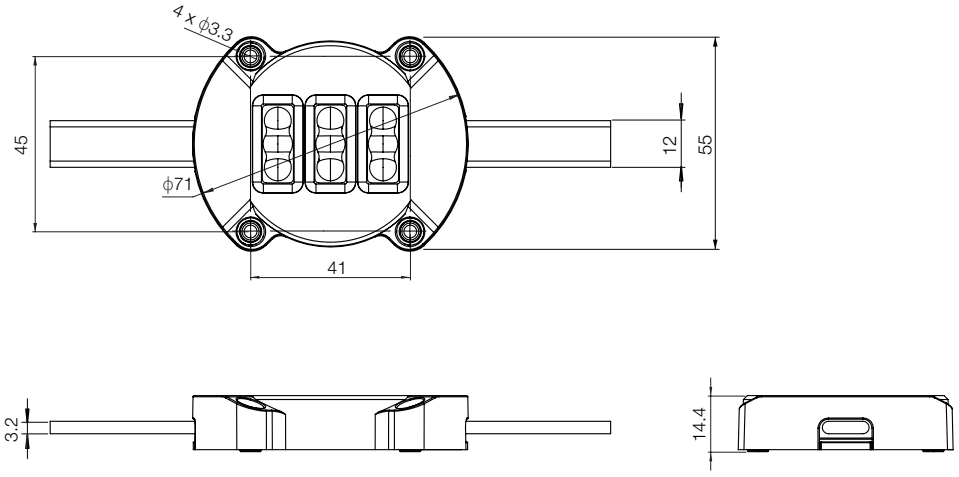
Open Beam S (Unit: mm)



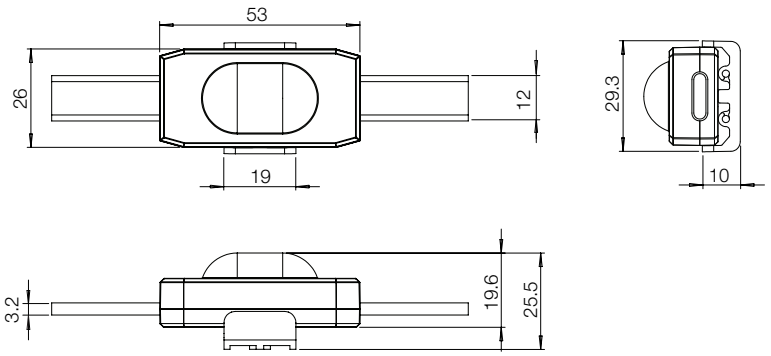
Open Beam M (Unit: mm)



Open Beam L (Unit: mm)



Diffused Dome S (Unit: mm)



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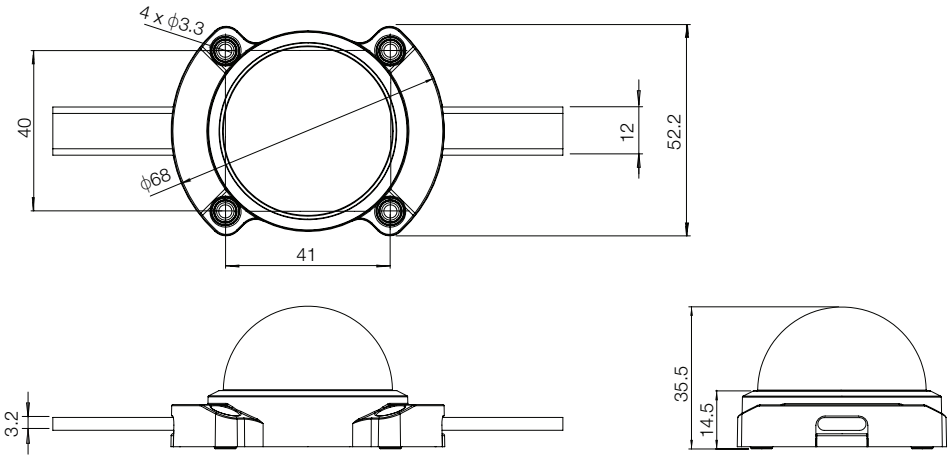
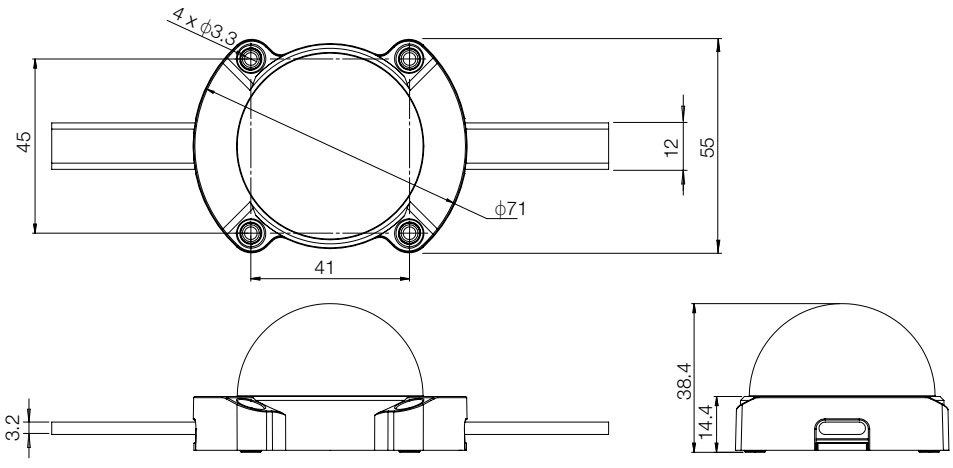


Diffused Dome L (Unit: mm)



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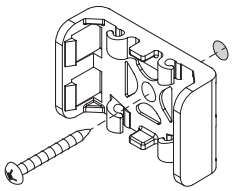
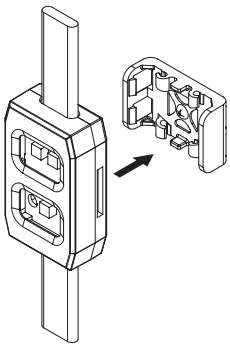
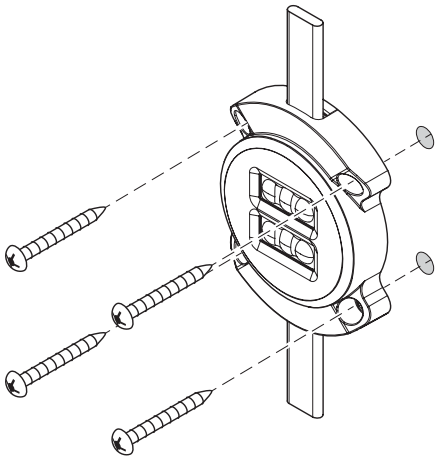
Dot S

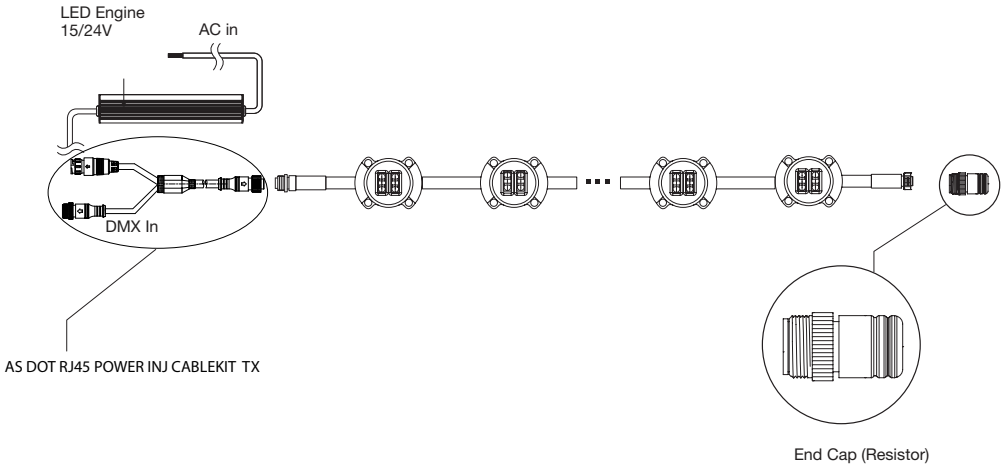




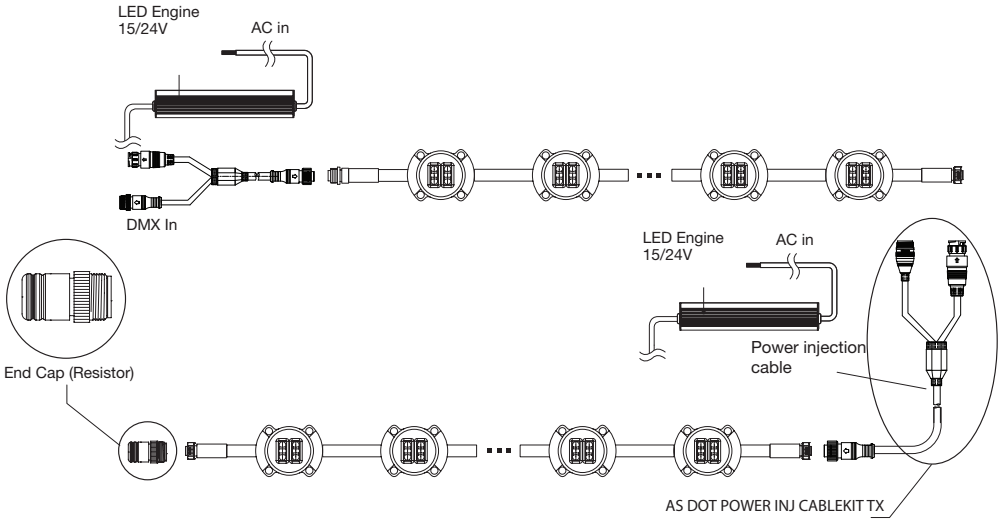
Dot M/L



System diagram (Basic)

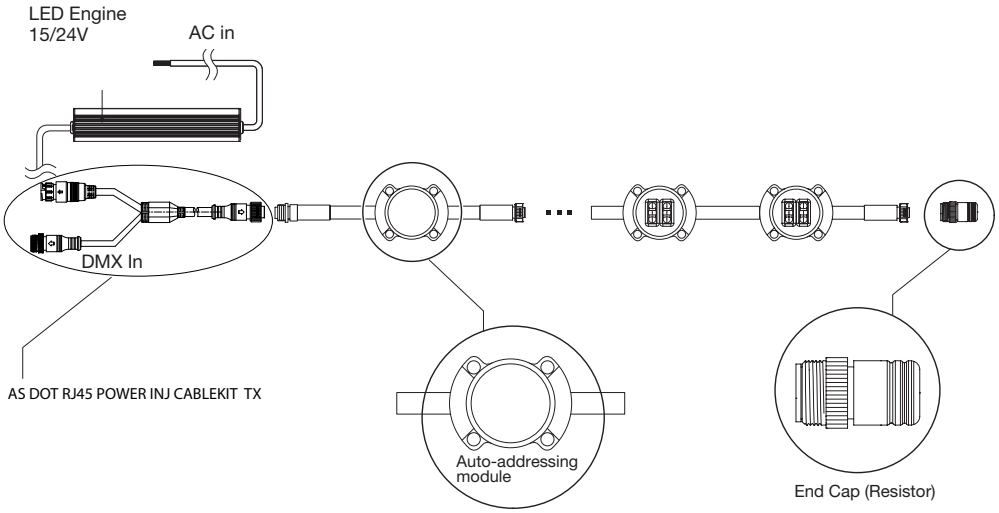


System diagram (Power Injection)



Power injection is required when the number of connected dots reaches the maximum value.

System diagram (Auto-addressing module)



ARCHISHAPE® 2.0 Dot S/M/L

Ordering

Fixtures

Model No.	Description	Item Code
DO.AE. 2120010	AS DOT TX S RGB CLEAR 65PXL 100 5 15V	AM317400055
DO.AE. 1120010	AS DOT TX S RGBW CLEAR 65PXL 100 5 15V	AM317420055
DO.AE. 2220010	AS DOT TX S RGB DOME 65PXL 100 5 15V	AM317430055
DO.AE. 1220010	AS DOT TX S RGBW DOME 65PXL 100 5 15V	AM317450055
DO.AF. 2120010	AS DOT TX M RGB CLEAR 50PXL 120 5 24V	AM317460055
DO.AF. 1120010	AS DOT TX M RGBW CLEAR 50PXL 120 5 15V	AM317470055
DO.AF. 2220010	AS DOT TX M RGB DOME 55PXL 120 5 24V	AM317480055
DO.AF. 1220010	AS DOT TX M RGBW DOME 50PXL 120 5 15V	AM317490055
DO.AG. 2120010	AS DOT TX L RGB CLEAR 40PXL 150 5 15V	AM317500055
DO.AG. 1120010	AS DOT TX L RGBW CLEAR 40PXL 150 5 24V	AM317510055
DO.AG. 2220010	AS DOT TX L RGB DOME 40PXL 150 5 15V	AM317520055
DO.AG. 1220010	AS DOT TX L RGBW DOME 40PXL 150 5 24V	AM317530055

Standard Accessories

Model No.	Description	Item Code
N/A	AS DOT TX ADDRESSING DEVICE	AM184320055
N/A	AS DOT TX AUTO-ADDRESS MODULE 4CH	AM320990055
N/A	AS DOT TX AUTO-ADDRESS MODULE 3CH	AM320980055
N/A	AS DOT TX AUTO-ADDRESS MODULE 2CH	AM320970055
N/A	AS DOT TX AUTO-ADDRESS MODULE 1CH	AM320960055
N/A	AS DOT S MOUNTING CLIP	AM189410055
N/A	AS DOT END CAP	AM175850055
N/A	AS DOT END CAP (RESISTOR)	AM184330055
N/A	AS DOT POWER INJ CABLE KIT TX	AM324870055
N/A	AS DOT RJ45 POWER INJ CABLEKIT TX	AM324860055

Power Supply

Model No.	Description	Item Code
N/A	LED ENGINE 75W 15V OUTDOOR	AM175870055
N/A	LED ENGINE 100W 24V OUTDOOR	AM175860055
N/A	LED ENGINE 185W 15V OUTDOOR	AM175890055
N/A	LED ENGINE 185W 24V OUTDOOR	AM175880055
N/A	LED ENGINE 320W 15V OUTDOOR	AM179070055
N/A	LED ENGINE 320W 24V OUTDOOR	AM175900055

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