

ARCDOT™

Excellent for large scale matrix applications due to its advanced pixel mapping capabilities, the ArcDot uses a Cree MC-E RGBW Multi-chip with high light output that features a built-in intelligent electronic control system. This guarantees flicker free operation and overheating protection whilst remote addressing, calibration and status messaging is also included. Built to an IP67 rating ensures the unit is capable of withstanding tough weather conditions but is also perfect for a wide variety of interior installations.



KEY FEATURES

Flicker free operation with advanced pixel mapping, remote addressing and status messaging with colour, lash and colour temperature options available.

Lumen Output & Light Source

Lumen output of 139 lm is provided by high-power multichip LED.

Power Consumption

5.5 W energy consumption provides excellent efficiency with low operating costs.

Physical

The durable cast aluminum body with opaque polycarbonate dome provides a compact, stylish and easy-to-mount solution. The fixtures physical dimensions are 77 × 71 mm (3.03 × 2.80 in) and it weighs 0.2 kg (0.44 lbs).

COLOURS



COLOUR TEMPERATURE



CONTROL & PROTOCOLS



OPTIC OPTIONS

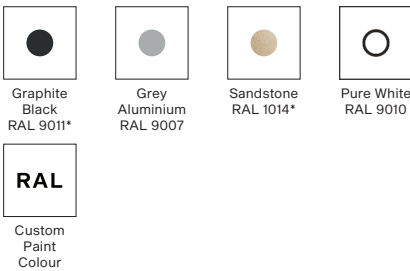


STANDARD & SPECIFICATION



FINISH OPTIONS

* CLOSEST RAL TONE



SPECIFICATION

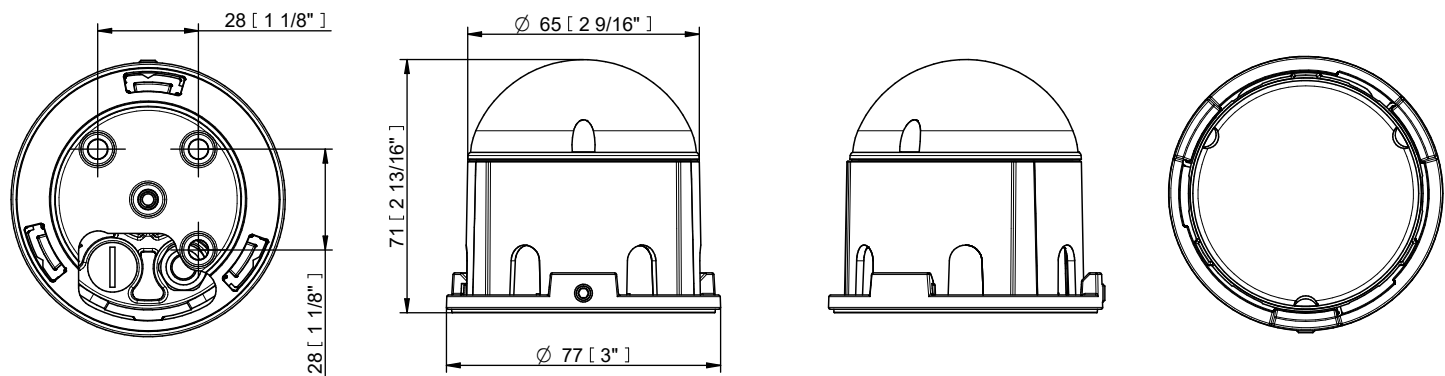
ELECTRICAL	Input Voltage	48 V	
	Typical Power Consumption	5.5 W / 48 V	
OPTICAL	Light Source	1 x 15 W Multichip LEDs	
	Colour Variants	RGBW (W - 6500 K) RGBA PW (W - 3000 K)	
	Beam Angle	non-optic	
	Lumen Output Delivered	139 lm (RGBW 7° W - 6500 K, all LEDs on full, 700 mA)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
CONTROL	Control System	ArcPixel Power, ArcPower Unit Pixel	
	Power Supply	ArcPixel Power, ArcPower Unit Pixel	
PHYSICAL	Width x Height	Ø 77 x 71 mm Ø 3.03 x 2.80 in.	
	Weight	0.2 kg 0.44 lbs	
	Finish Options	Standard Colour	Graphite Black RAL 9011 Grey Aluminium RAL 9007 Pure White RAL 9010 Sandstone RAL 1014
		Cost Option	Custom RAL
	Housing	Cast Aluminium	
		Polycarbonate Dome	
	Cables / Connections	Li9Y11Y, 2 x AWG16 + 1 x AWG20, Chogori IP67 connector	
	Cable Length	Option 1: approx. 0.25m IN and 0.18m OUT	
		Option 2: approx. 0.5m	
	Mounting Method	Mounting Back Plate	
	Protection Factor	IP67 / Suitable For Wet Locations	
	IK Rating	IK07	
	Cooling System	Convection	
	Operating Ambient Temperature	-20 °C / +50 °C (-4 °F / +122 °F)	
	Operating Temperature	+35 °C @ Ambient +25 °C (+95 °F @ Ambient +77 °F)	
CERTIFICATION	Listings	ETL / cETL, CE, RoHS , UKCA	
ACCESSORIES	Not Included Items		
	Cable Connection ArcDot 1 5 10m		
	T-Connector (3-pin)		
	Connector CGRBDU-08BMMA-SL8001 (Male)		
	Connector CGRBDU-03BFFA-SL8001 (Female)		
	Terminator Active for Arc Dot / ArcSource Outdoor 4MC Pixel		
	Terminator Passive for Arc Dot / ArcSource Outdoor 4MC Pixel		
	Cable, w/out connectors (1m)		
	Ferrite GTFC 16-8-16		

PROJECTED AREA

	m²	ft²
Front (rear)	0,004	0,046
Side	0,04	0,046
Top	0,005	0,05

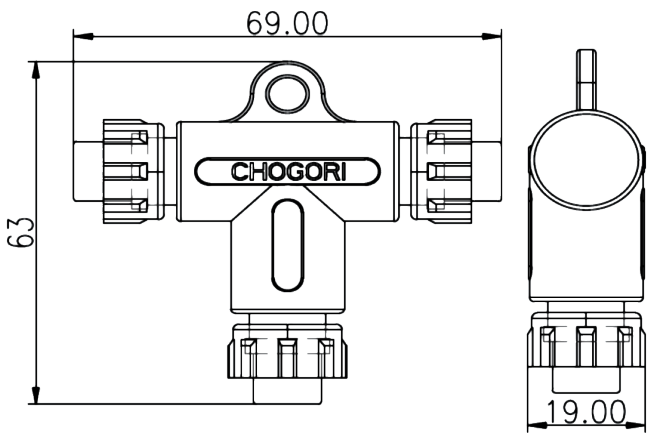
DIMENSIONS

ArcDot

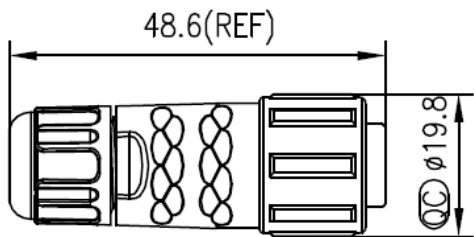


ACCESSORIES

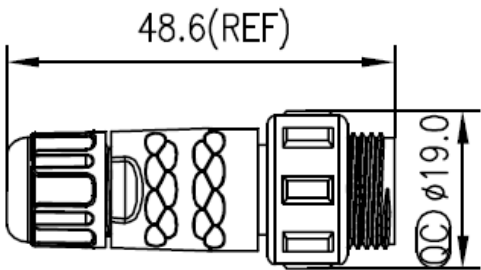
T-Connector (3-pin)



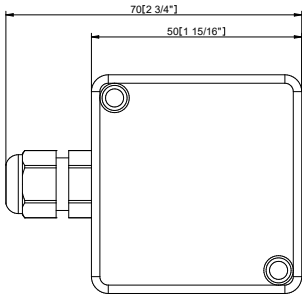
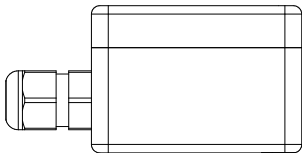
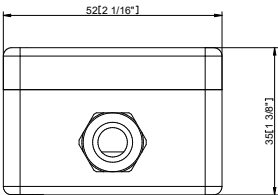
Connector CGRBDU-08BMMA-SL8001 (Male)



Connector CGRBDU-03BFFA-SL8001 (Female)



Terminator Active (0.35m)



Terminator Passive - terminal part of ArcDot connetion.



Cable Connection ArcDot 1 / 5 / 10 m



Connector Waterproof Cap (Male)



Connector Waterproof Cap (Female)

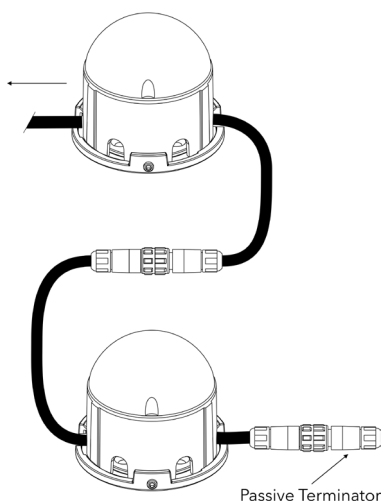


CONNECTION

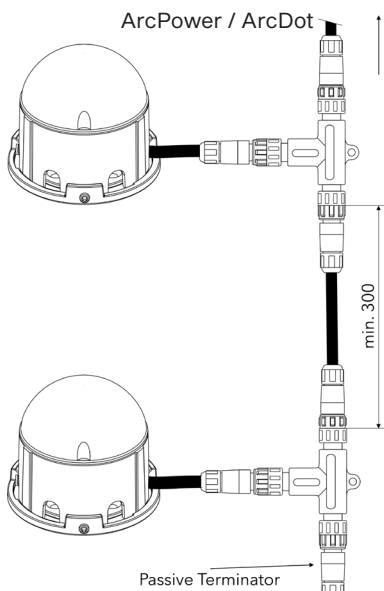
ArcDots can be connected one by one with using connectors CGRBB-03BMMA-SL8001 and CGRBB-03BFFASL8001. T-connectors can be used in case if we need connect ArcDot indirectly one after another.

Example of connection

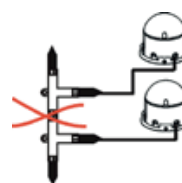
ArcPower / ArcDot

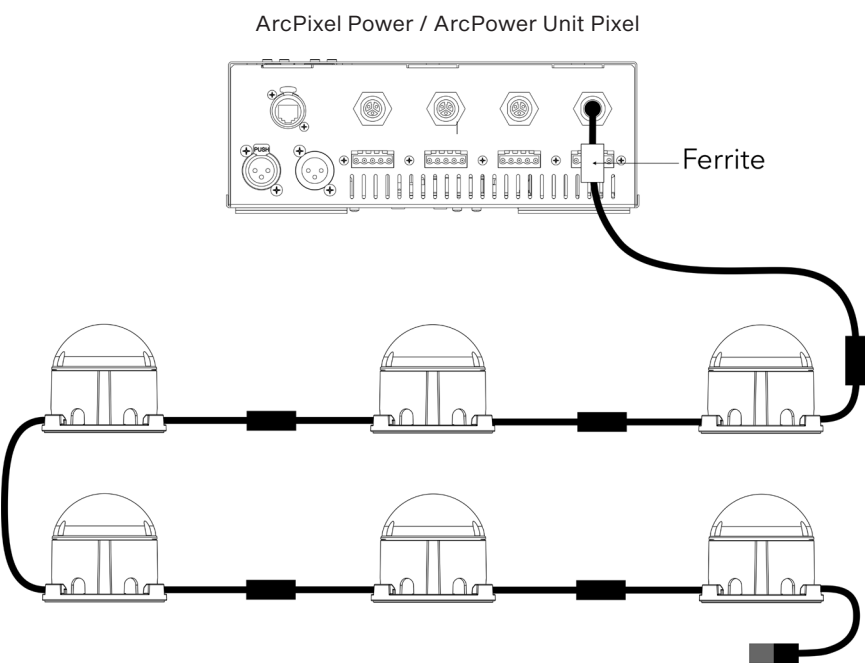
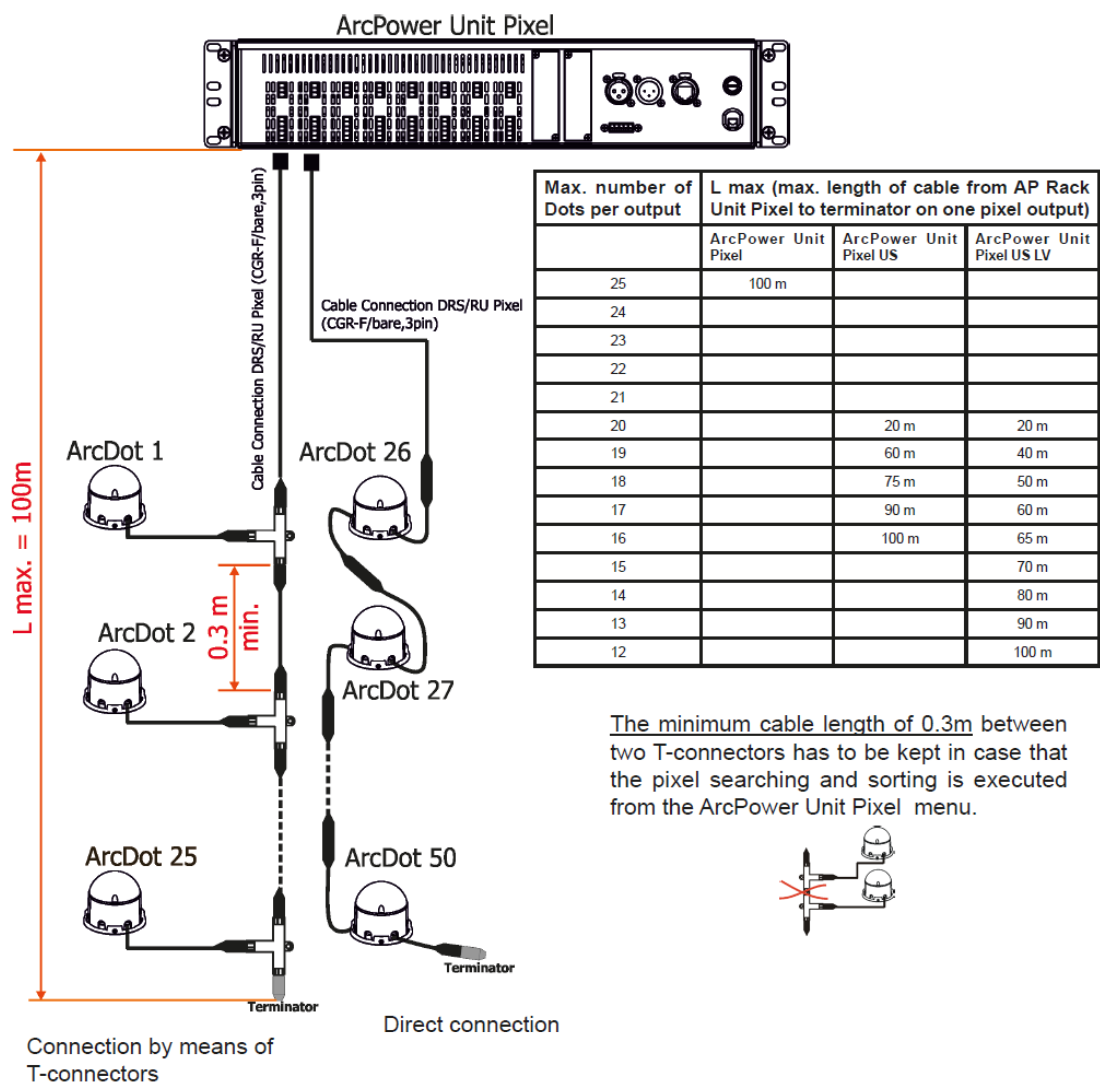


ArcPower / ArcDot



The minimum cable length of 0.3m between two T-connectors has to be kept in case that the pixel searching and sorting is executed from the ArcPower Unit Pixel menu.



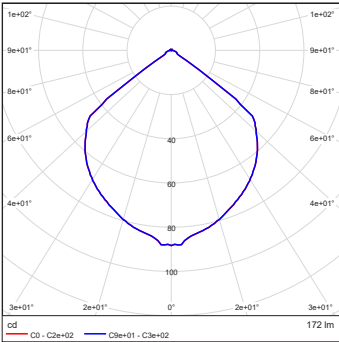


PHOTOMETRIC OVERVIEW

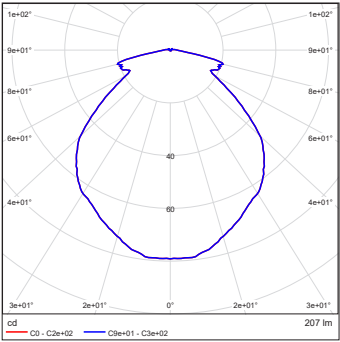
	Lumen Output (lm)		
	RGBCW (6500 K)	RGBA	PW (3000 K)
Flat Clear Glass	172	152	141
Frosted Dome	207	183	169
Opaque dome	139	123	114

PHOTOMETRIC DATA

ArcDot RGBCW Flat-Clear Glass



ArcDot RGBCW Frosted dome



ArcDot RGBCW Opaque dome

