



Data over Power distribution
to the fixtures



2 Core
Data over Power



DMX RGBW
Controllable

MaxiDOT 180° Series

102 / 302 DMX controllable



KEY FEATURES

- 512 DMX RGBW Controllable
- IP67
- 180° Viewing angle
- Multi chip Cree® LED
- 48VAC Data over Power 2 wire system
- High Impact Acrylic Dome



MaxiDOT 102 180° series



MaxiDOT 302 180° series

Product Overview

Our MaxiDOT 180° series is available in two sizes, 102 and 302, the fitting is the perfect solution for most building facades. Delivering 180° viewing not only for marker light applications but for low resolution screen and matrix systems. Manufactured from quality materials and incorporating our Patented 2 wire data over power technology giving full DMX 512 control down the 2 power wires makes it the simplest to install and most cost effective product of its type in the market place today.

Specifications

102 180° 302 180°

Dimming

DMX512 Dimmable (Data Over power):	YES	YES
DMX 512 refresh rate:	44hz	44hz

LED Options

(Cree XQE Led's) RGBW:	YES	YES
(Cree XQE Led's) RGBWW:	YES	YES
Intelligent white 2700k-6000K:	YES	YES
Single colour DMX:	YES	YES

Lens

Acrylic frosted dome. 180° viewing	YES	YES
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Electrical specification

Power input:	48VAC Data Over Power MaxiLINK system
LED Current:	200ma 200ma
Watts per unit:	4.8w 14.4w
Max. Units per system 14 AWG (1.5mm sq) cable:	50 16
Max distance from 1st to last unit 14 AWG (1.5mm sq) cable:	100m 100m
Lumens RGBW Clear Glass (Full On):	150 450
Lumens Intelligent white (Full On):	250 750
Lumen Maintenance 85%:	90,000Hrs 90,000Hrs

System Cable Distances

Max. 14 AWG (1.5mm sq) cable from MaxiLINK to 1st fitting:	15m 15m
Max. 10 AWG (2.5mm sq) cable from MaxiLINK to 1st fitting:	75m 75m

Protection

IP67	YES	YES
Thermal Protection cut out at 70°C:	YES	YES
Operation Temperature:	-25 to +50	-25 to +50

Finishes Options

Black Anodised:	YES	YES
Silver Anodised:	YES	YES
RAL Powder Coat:	YES	YES

Listings:.....UL LISTED, CE, UKCA

Dimensions & Weights

Diameter (mm):	60	138
Depth (mm):	85	135
Weight KG:	0.4KG	1KG



UK Designed and
Manufactured

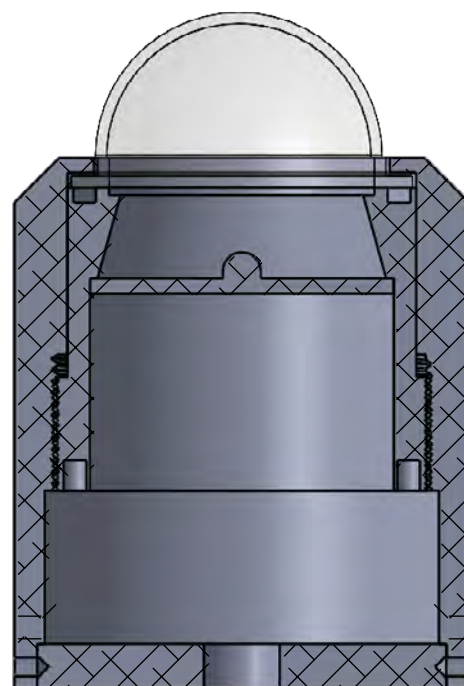
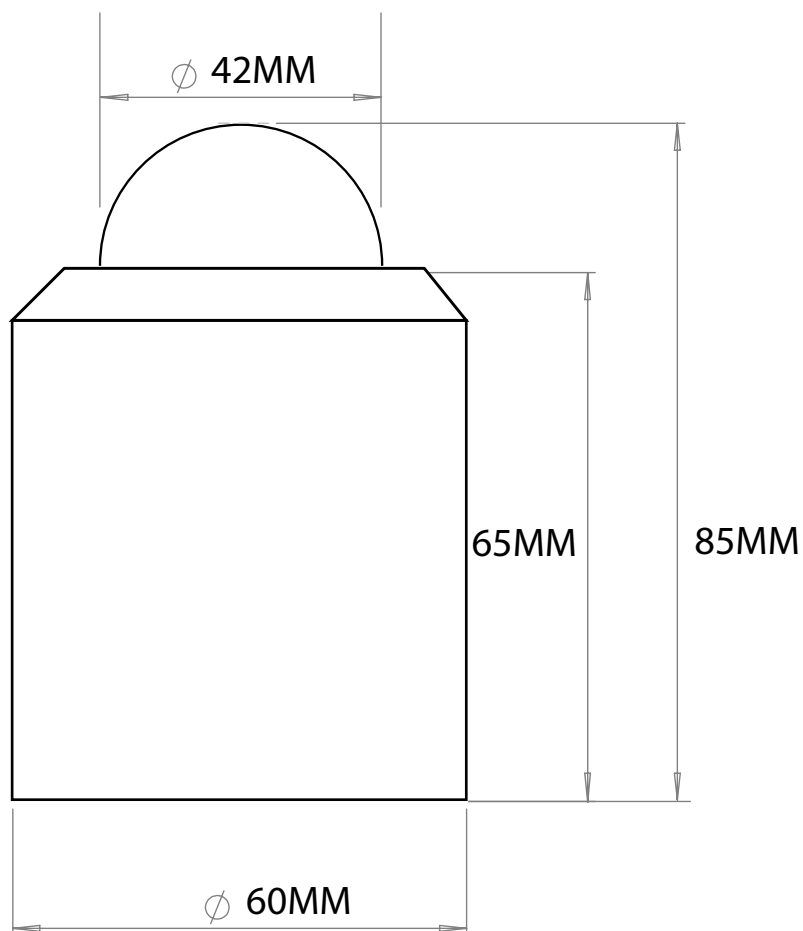
MaxiLED Lighting

Unit 2, Farrington Place, Rossendale Road Ind. Est. Burnley, Lancashire. UK. BB11 5TY

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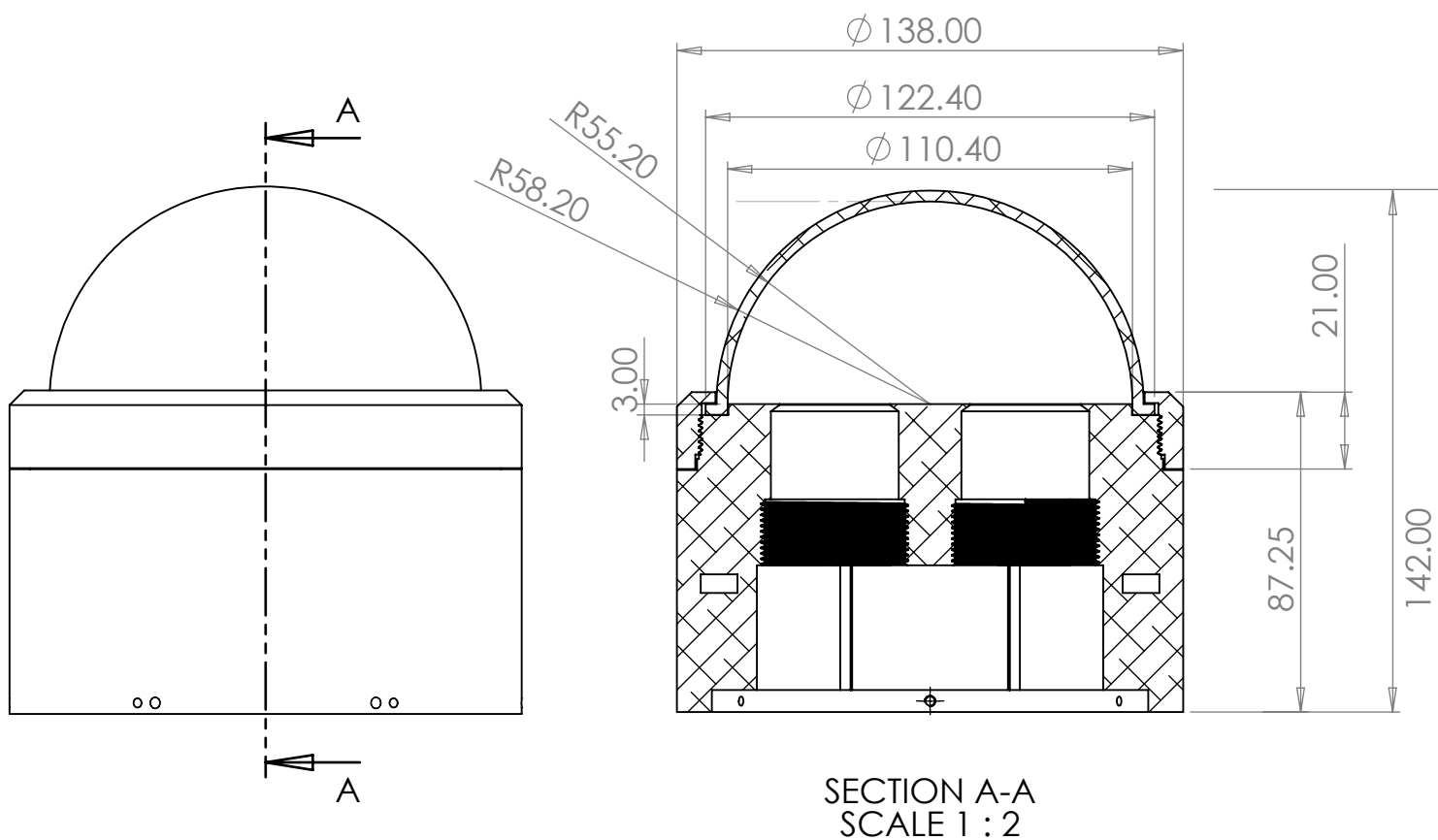
E: sales@maxiledlighting.com Web: www.maxiledlighting.com

Measurements in MM



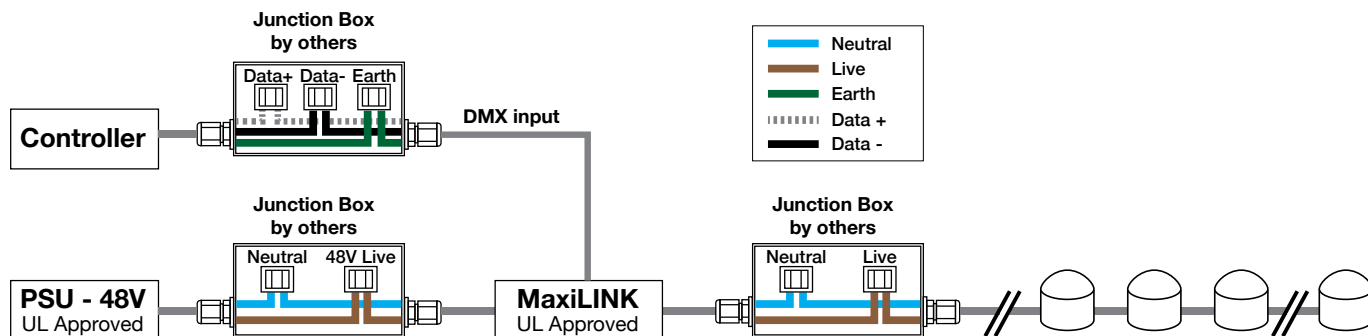
SECTION A-A

Measurements in MM

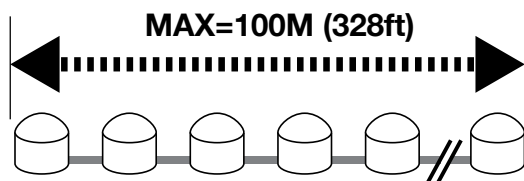




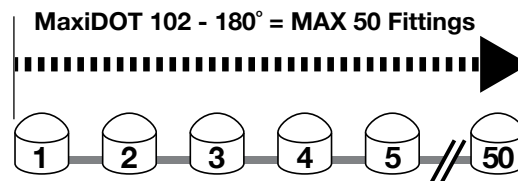
This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes.
Failure to comply with the installation instructions can result in serious injury or death.



MaxiDOT 102 180°
Maximum run distance

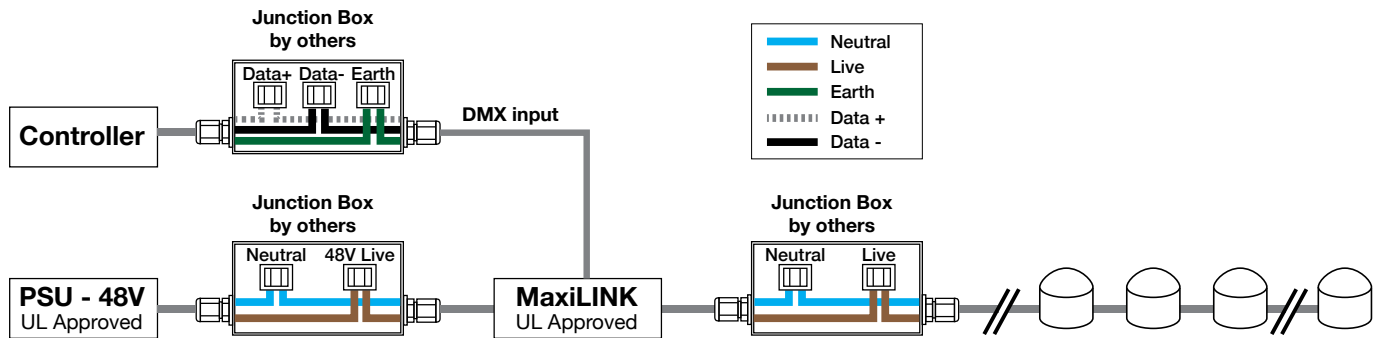


MaxiDOT 102 180°
Maximum fixture run

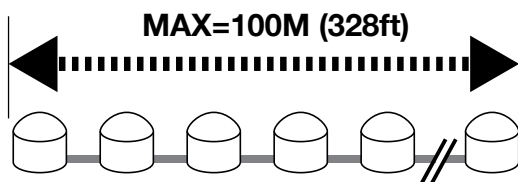




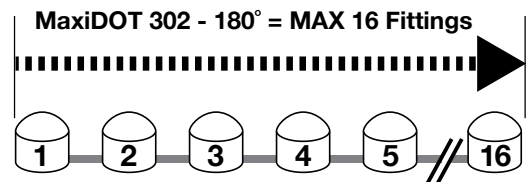
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MaxiDOT 302 180°
Maximum run distance



MaxiDOT 302 180°
Maximum fixture run





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1 Connect the End of Line Resistor



(a). Connect the End of Line Resistor Cable (Supplied Separately.) to the end of the 48V Data line after the last fitting.

NOTE: On the final lamp fitting an End of Line Connector MUST be Connected to allow the DMX data to 'Communicate.'
Without the End of Line Resistor the lamps will show DATA DISRUPTION
Connection is NOT Polarity Sensitive.

2 Data Disruption



(a). Once the system is powered up and the DMX 512 data transmission is available the end of line units will need setting.
Only perform this operation if the installation is flickering and not responding to the 512 DMX data transmission correctly.
Remove the Black Cap.

3 Fine Tuning 512 DMX data



(a). Using a Flat screw driver, turn the adjuster fully clockwise. The lights will begin to randomly flicker.

(b). Turn the adjuster anticlockwise until the installation responds correctly, once it responds correctly continue to turn the adjuster until the installation starts to flicker again when it does stop, turn the adjuster clockwise slightly.

(c). The adjuster is now set.

4 Check list



(a). Once the lights are tuned and correct, replace the End of Line Resistor Black cap. Ensure a tight fit for a waterproof seal.

(SEE INSTALLATION INSTRUCTIONS FOR POWER SUPPLY OPTIONS.)

Product	LED	Housing	Finish	Other
MaxiDOT 102 180° MD102-180	RGBWW(2700K)	Flush mounting plate	FMP	Black anodised AA End of line resistor ELR
	RGBCW(6500K)		Silver anodised SA	
	IW		(RAL) Powder Coat RAL	
	2700			
	3500			
	6500			
	RED DMX			
	GREEN DMX			
	BLUE DMX			
EXAMPLE:	MD102-180	3500	FMP	SA ELR

Product	LED	Housing	Finish	Other
MaxiDOT 302 180° MD102-180	RGBWW(2700K)	Flush mounting plate	FMP	Black anodised AA End of line resistor ELR
	RGBCW(6500K)		Silver anodised SA	
	IW		(RAL) Powder Coat RAL()	
	2700			
	3500			
	6500			
	RED DMX			
	GREEN DMX			
	BLUE DMX			
EXAMPLE:	MD302-180	IW	FMP	RAL(9010) ELR