MaxiLED Lighting

MaxiLINK ENABLED

Data over Power distribution to the fixtures

DATA Over POWER

2 Core Data over Power

DMX RGBW Controllable

MaxiLED Large Globe Series

DMX RGBW

UL CE IP68 IK07

MaxiLED Large Globe Series
DMX RGBW - Datasheet

KEY FEATURES

- DMX RGBW controllable
- IP68
- Multi chip Cree® LED
- 48VAC

Product Overview

MaxiLED Strands provide exceptionally long strands of globe-lensed LEDs that can be used to outline buildings and bridges or connect architectural features with controllable RGBW lighting. Each strand is built for permanent installations with rugged, injection-molded outer globes, heavy gauge wiring, and dependable CREE LEDs.

Specifications	DMX RGBW
Dimming	
DMX512 Dimmable (Data Over power):	YES
DMX 512 refresh rate:	44Hz
LED Options (Cree XQE Led's)	
RGBW:	YES
Electrical specification	
Power input:	48VAC Data Over Power MaxiLINK system
LED Current:	100ma
Watts per unit:	2.4w
Max. Units per system (1.5mm sq cable):	100 Units
Max distance from 1st to last unit (1.5mm sq cable):	100m (328 ft)
Lumens RGBW (Frosted)	25 Lumens
Lumens RGBW (Clear)	80 Lumens
Lumen Maintenance 85%:	70,000Hrs
System Cable Distances	
Max. cable 1.5mm sq from MaxiLINK to 1st fitting:	15m (49 ft)
Max. cable 2.5mm sq from MaxiLINK to 1st fitting:	75m (246 ft)
Protection	
IP Rating:	IP68
Thermal Protection cut out at 70ºC:	YES
Operation Temperature:	-25 to +50
Globe	
Globe lenses:	UV stabilized polycarbonate
Cable Colours	
Black (Standard):	YES
White: (Minimum order):	YES (on request)
RAL (Minimum order):	YES (on request)
Dimensions & Weights	
Diameter (mm):	63 mm (2.5 ins)
Height (mm):	82 mm (3.23 ins)
Weight Globe (Each inc. Seal and Clip):	54G (1.79 Ounce)
Weight cable CE(1Meter):	71G (2.50 Ounce)
Weight cable UL(1Meter):	56G (1.97 Ounce)
Listings:	UL / cUL, CE. BS EN60598, IEC 60598

UK Designed and Manufactured

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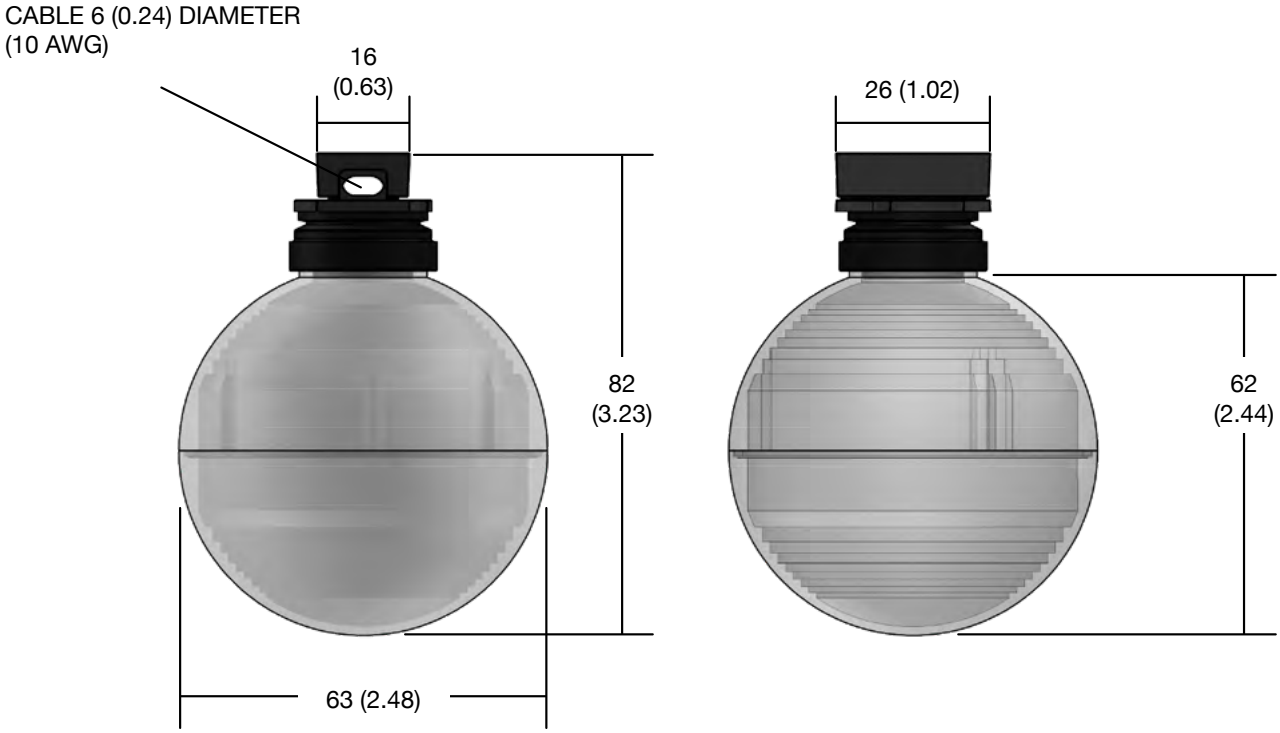
MaxiLED Large Globe Series
Dimensions

MM (INCHES)



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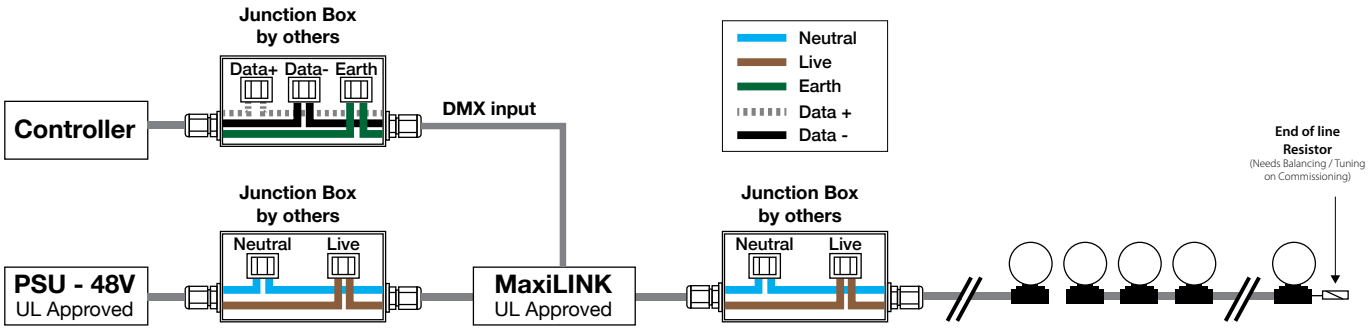
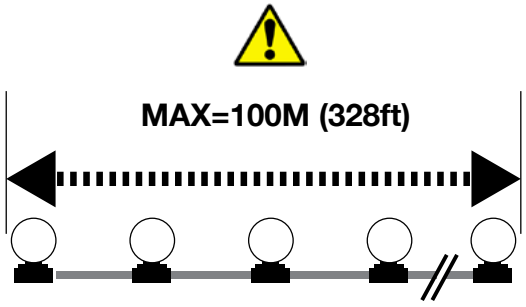
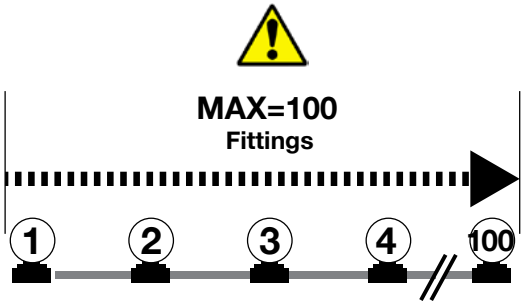
MaxiLED Large Globe Series
Wiring Illustration

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.







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MaxiLED Focal Facade
Catenary Installation Instructions

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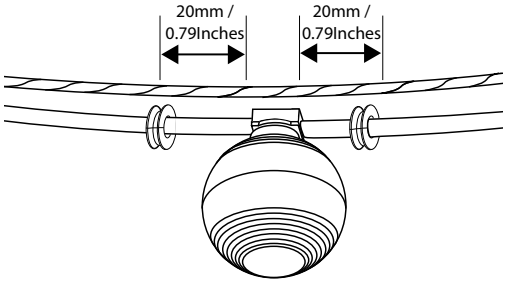
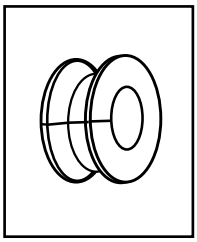
1 Place rubber grommets over MaxiLED Cable

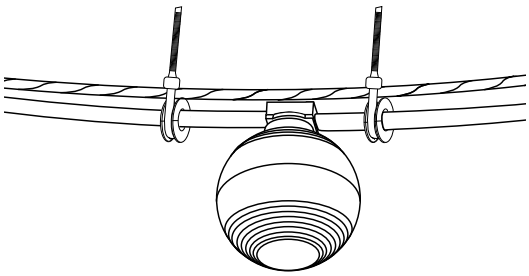




(a).Make sure catenary cable is taught and secure.

(b). With the secure catenary cable above the MaxiLED Cable, place a rubber grommet 20mm / 0.79 inches either side of the MaxiLED housing.

2 Secure MaxiLED Cable

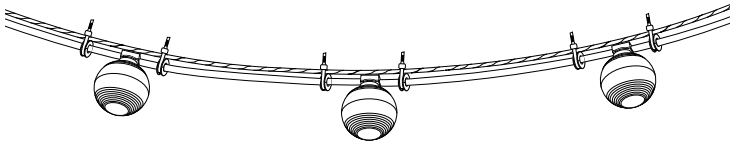


(a). Using a suitable sized UV resistant zip tie (4.8mm width), secure the grommet up against the catenary cable.

(b). Trim excess cable tie.

NOTE: GROMMET PLACED OVER MAXILED CABLE

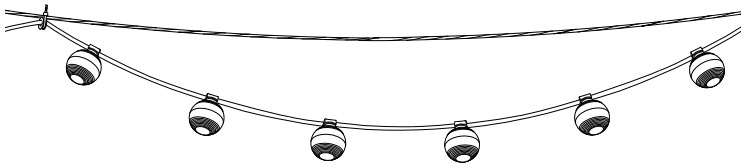
3 Repeat Procedure



(a). Repeat process 1-2 until the installation is complete.

(b). Connect the installed unit to the correct transformer.

4 Alternative Fixing Method



(a). alternative fixing method creating a hoop effect.

The transformer must be installed by a qualified electrician in accordance with all national and local electrical and construction codes.
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Revision 0.1

MaxiLED Strand Fixing Clip Installation Instructions

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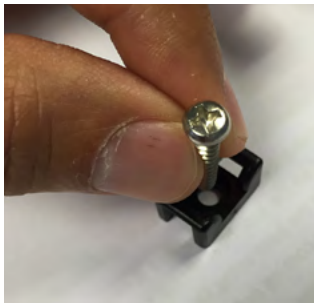
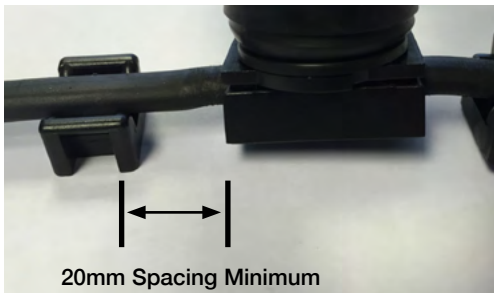
1 Fitting the Fixing Clip to the desired Surface



(a). Screw fix the Fixing clip to the desired surface.

NOTE: Correct screw must used to assure that the head is counter sunk within the fixing clip.

2 Spacing the Fixing Clip



(a). Ensure that the Spacing between each Fixing Clip and **MaxiLED Globe** is **20mm Minimum**

3 Cable Tie the MaxiLED Strand Cable to the Fixing Clip

(a). Using the Supplied UV/Weather resistant Cable tie.

(b). Feed the Cable tie through the Fixing Clip and Secure the MaxiLED Strand Cable

4 Repeat Procedure

(a). Repeat process 1-3 until the installation is complete.

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MaxiLED Large Globe Series
Order codes

Ordering

EXAMPLES: UKSLG-RGBW-CL-BC-I-1000-9000-100-50, ULSLG-RGBW-CL-WC-M-180-3000-100-30

PRODUCT CODE		LED COLOR		LENS		CABLE COLOR
UKSLG	-		-		-	

UKSLG CE MaxiLED Large Globe Series

ULSLG USA MaxiLED Large Globe Series

RGBW RGBW(6000K)

RGBWW RGBWW(3000K)

CL Clear lens

ML Matt lens

BC Black cable

WC White cable

MEASUREMENT UNITS		LENGTH OF STARTER CABLE		LENGTH OF GLOBE CABLE		NUMBER OF GLOBES		GLOBE SPACING
	-		-		-		-	

M Metric units (cm)

I Imperial units (in)

CMS OR INS

Starter Cable + Globe Cable <= 10,500 cm (4,133 ins)

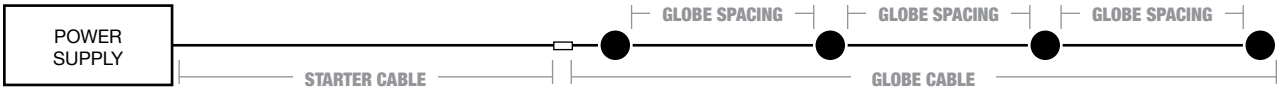
CMS OR INS

1 TO 100

CMS OR INS

Assumes Globes are spaced at the same distance on the strand. For inconsisently spaced Globes on a strand, contact factory.

Ordering Definitions and Assistance



LENGTH OF GLOBE CABLE

If you know the **NUMBER OF GLOBES** and the **GLOBE SPACING** for a strand, you can verify your **LENGTH OF GLOBE CABLE**.

A) **NUMBER OF GLOBES** (MAX 100)..... A

B) **GLOBE SPACING** (CMS OR INS)..... B

C) Multiply answer A by answer B..... A÷B

NUMBER OF GLOBES

If you know the **LENGTH OF GLOBE CABLE** and the **GLOBE SPACING**, you can verify your **NUMBER OF GLOBES**.

A) **LENGTH OF GLOBE CABLE** (CMS OR INS) A

B) **GLOBE SPACING** (CMS OR INS)..... B

C) Divide answer A by answer B..... A÷B

GLOBE SPACING

If you know the **LENGTH OF GLOBE CABLE** and the **NUMBER OF GLOBES** for a strand, you can verify your **GLOBE SPACING**.

A) **LENGTH OF GLOBE CABLE** (CMS OR INS) A

B) **NUMBER OF GLOBES** (MAX 100)..... B

C) Divide answer A by answer B..... A÷B

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