

Welcome

We hope that the photos and products featured within this brochure will inspire you to enhance your existing town, village, city or Shopping Centre scheme this forthcoming Festive Season.

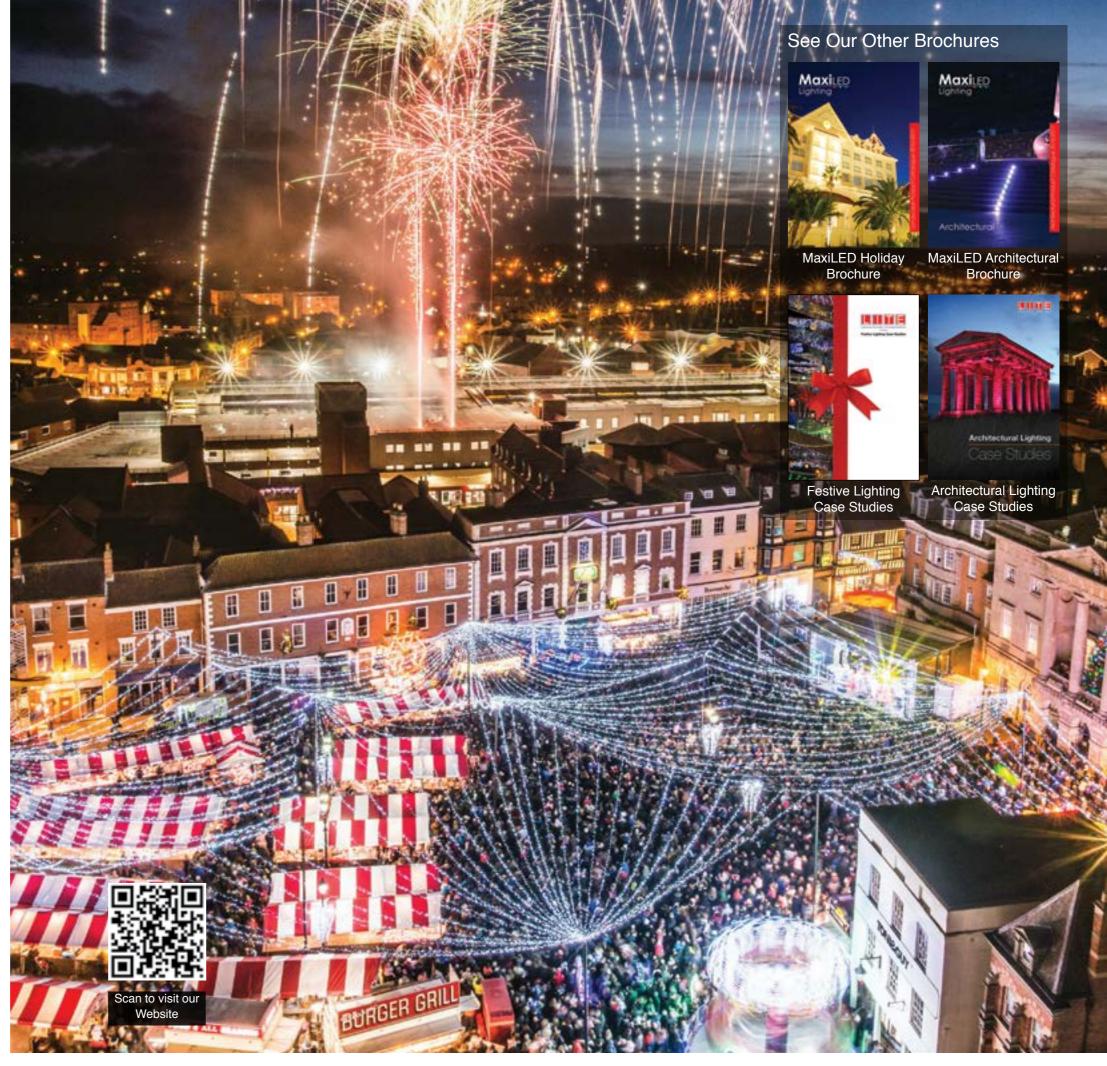
Latest innovations in our outdoor product range mean that the IP ratings have been increased from IP44 to IP66 or even as far as IP68, which means that water ingress into electrical joints should be massively reduced, thereby saving on expensive call-outs during the worst of the British weather!

Another impressive development this year is that our highly regarded MaxiLED festoon, is now capable of being DMX controlled to enable each and every lamp to be individually controlled in terms of both colour and animation.

You may also be aware that LITE are involved with the supply and installation of architectural LED lighting projects, please request the Architectural lighting brochure for further information.

Whilst we feature a large range of Festive lighting displays in the following pages, these are just a small cross section of the full range we can supply. We also design and supply many bespoke features that can be unique to the UK and be relevant to your town. We therefore strongly recommend that you call one of our friendly project managers (details shown on the back page of this brochure) to arrange a free, face to face consultation, as soon as possible.

Looking forward to hearing from you very soon!



Contents

Introduction **2**

MaxiLED Lighting 12

Components **22**

Lighting **24**

Trees **36**

11000

Rental Rotation Scheme 38

Case Studies **42**

Elegance Range **50**

Night Sky Range **56**

Traditional Range **62**

Snowy Falls Range **68**

Urban Range **74**

Festival Range **80**

Crystal Range **86**

Contemporary Range **92**

Classical Range **98**

Small Series 102

Exclusive Selection 104

3D Exhibits 108

Large 3D Range 110

3D Reindeer Collection 112

3D Spheres & Gifts 114

3D Star Collection 116

3D Cone Tree Collection 118

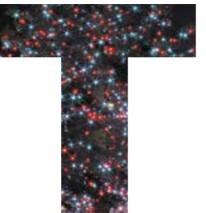
Accessories 124

Index **130**



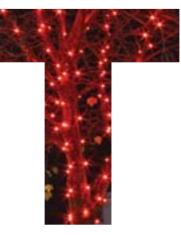


















Design

Every town and city is different and therefore it is important that the Festive Lighting reflects that difference and marries with the architectural features of the immediate area.

We have creative, experienced, locally based project managers, who are happy to advise on matters such as; current regulations, electrical requirements, infrastructure and safe fixing methods.



Artist Impression

Working initially from town plans we would work with you to draft an initial theme either from standard stock items, or, if early enough in the year, develop bespoke displays based upon local themes, colours, features or children's designs. After a detailed site survey, this would then be transposed into full colour, computer aided designs, illustrating how the whole scheme would appear and at the same time we would prepare a comprehensive quotation based around the agreed budget.



Finalised Design



6

Structural & Installation

Non Destructive Structural Lighting Column Testing

LITE carry out these tests to establish the integrity of Lighting Columns and for the purpose of using the columns to support additional items such as Festive Illuminations and Hanging Baskets.

Step 1 - Visual Inspection

The entire column is visually inspected, paying particular attention the base at ground level, around the column door, around the wielded section of the shaft and the join between the bracket and shaft.

The condition of each column will be recorded as follows:-

A: EXCELLENT

Free from any visible defects.

B: GOOD

No visible rust or mechanical defect and very little weathering or paint flaking.

C: AVERAGE

Some minor rusting and paint flaking but appears sound with no mechanical deformation.

D: POOR

Has serious rusting and paint flaking and possible minor mechanical deformation.

E: BAD

Has considerable rusting and paint flaking, noticeable deformation and considered dangerous.

Our engineers will take photographic evidence of D & E recorded columns. And if the visual inspection identifies serious physical defects with a column then there will be no need for further tests to be carried out.

Step 2 - Ultrasonic Thickness Testing

LITE are able to undertake the thickness testing if street lighting columns using the latest ultrasonic gauges. Through the normal access door a small search head attached to a probe is used internally to scan the area and give an instant reading to detect any loss of wall thickness.

The condition of each column will be recorded as follows: -

RED:

Condemned due to excessive loss of wall section.

AMBER:

Does not have the strength reserve to support additional furniture.

GREEN:

Suitable for the proposed festive display and/or hanging basket.

Key Service Aims:

- · The ability to work on the public highway without causing any disruption to the traffic network wherever possible.
- · Not to weaken the building structure or columns in any way when fixing the seasonal decorations.
- To work in a safe manner so as not to cause danger to the general public and the installation team.
- To maintain the same light levels on the public highway throughout the duration of the agreed period.
- Compliance with all relevant safety regulations to the latest standards.

Installation and Dismantle Services

- · Total Scheme Management
- · Full Public Liability Insurance
- · Approval to G39 Standard
- Nationwide Installation Teams
- · Maintenance Programmes
- · Large and Small Projects
- · Project Testing and Checking
- 1. Site Survey
- 2. Risk Assessment
- 3. Quotation and Contract Documentation
- 4. Operating Regulations Policy
- 5. Health and Safety General

- 6. Hazard Identification
- 7. COSHH and Chapter 8
- 8. Sequence and Method of Works





Storage & Refurbishment



Our refurbishment and test areas have all of the essential engineering appliances required, to assist us in providing a fully comprehensive service to all of our products.

All work is carried out "in house" ensuring excellent quality throughout. We also have, as you would expect, fully qualified Electrical and Mechanical engineers on site, who oversee all processes.

The very popular MaxiLED Large and Small Globe Strand Series are all manufactured on site in our fully equipped production facility and within a controlled environment. This enables the production of special bespoke orders within an excellent turn around time and the delivery of standard items generally within just a few days.

Our specially designed modern warehouse in Burnley has over 16,000 square feet of purpose built storage facilities, incorporating a mezzanine floor of some 45 feet x 20 feet. All of the storage area has been fully racked out to ensure safe, correct and secure storage of all displays, whether for new, ex rental or refurbished displays.

All customers with stock stored at our premises have their own dedicated areas. The displays and lights are; methodically, electrically and mechanically tested, repaired where necessary and then labelled to ensure nothing is overlooked. All of this work is undertaken during our quieter months to enable LITE to deliver a dedicated and professional service, to our ever increasing list of clients.





10



About MaxiLED Lighting

From facades to ingrounds, MaxiLED Lighting products include durable LED luminaries that are available with many options and features to meet the requirements of virtually any architectural lighting project.

Each product is engineered for reliable performance through even the most difficult of environmental circumstances.

Choose from colour-changing (RGBW) or select from available white temperature options. Control your installation with one of our turnkey control solutions or use your favourite third party DMX controller to deliver effects from slow and subtle to fast and attention grabbing.

Contact us with any questions. We would be happy to discuss how MaxiLED products can help you reach your project's lighting goals.





2 Core Data over Power

IK07

IP68

- IEC 60598
- **BS EN 60598**
- PATENTED GB2475874

UL LISTED

NABLED

ferriber autium

2 Wire System Data Over Line Voltage

DMX Controllable

CREE - RGBW LED

UK Designed & Manufactured

■ IP68 - Submersible to a depth of 1200mm

Each LED is individually addressed and is controlled via our MAXILINK[™] Communication Language with a standard DMX controller.
Only available in MaxiLED size 64mm Globe

IK07 Impact Protection

BSEN & IEC Approved

Patented GB2475874

UL 2108, UL746C, UL1598, UL8750













Power Input: 90-305VAC (50/60 Hz)



Light Output:

98.3 lumens per clear Globe at full RGBW on.



Power Output:

48VAC with combined data over line voltage.



Watts:

2.35W per Globe at full RGBW on.



Environment:

Dry, damp and wet locations (IP68).



Light Source:

CREE LED's with red, green, blue and white dies.



Protection:

Thermal Safety cut out at 80°C (176°F)



Connectors:

Water-tight (IP68) and self-locking.



Lumen Maintenance:

Estimated 85% lumen maintenance at 70,000 hours, L70 predicted life of 132,000 hours.



Installation:

Clips available for zip-tie mounting to any surface or walls. Trunking for concealing cables and elastic cable ties also available for trees and live landscaping.



UL/cUL, CE, FCC, IK07 impact protection, BS EN 60598, IEC 60598



Cable/Run Lengths:

100 Globes per strand. 175m (574ft) maximum strand length. 75m (246ft) maximum length for leader cable to first fitting.

Globe Finish Options





Cable Color Options





MaxiLED Strands provide exceptionally long runs of individually controllable LEDs that can be used to outline Buildings and Bridges or connect Architectural features with colourful lighting effects.

Each strand is built for permanent installations with rugged, injection-molded outer















Power Input: 90-277VAC (50/60 Hz)



Light Output:

Contact factory or see maxiledlighting.com.



Environment:

Dry, damp and wet locations (IP68).



Light Source:

Multi-clip LED with pre-programmed red, green and blue effects



Lumen Maintenance:

Estimated 85% lumen maintenance at 30,000 hours, L70 predicted life of 55,000 hours.



Installation:

Clips available for zip-tie mounting to any surface or walls. Trunking for concealing cables and elastic cable ties also available for trees and live landscaping.



Power Output:

Watts:

0.6W per Globe.



Operating Temperature:

-25° to 50°C (-13° to 122°F)



Connectors:

Water-tight (IP68) and self-locking.



Listinas:

UL/cUL, CE, FCC, IK07 impact protection, BS EN 60598, IEC 60598



Cable/Run Lengths:

130 Globes per strand. 154m (505 ft) maximum strand length including starter cable.

Globe Finish Options





Cable Colour Options





White



17









Power Input: 90-305VAC (50/60 Hz)



Light Output:

79 lumens per Globe (cool white). Contact factory for warm white distribution information.



Environment:

Dry, damp and wet locations (IP68).



Light Source:

Available in Cool white or warm white



Lumen Maintenance:

Estimated 85% lumen maintenance at 70,000 hours, L70 predicted life of 132,000 hours.



Installation:

Clips available for zip-tie mounting to any surface or walls. Trunking for concealing cables and elastic cable ties also available for trees and live landscaping.

Globe Finish Options







Power Output: 24VDC.



Watts

1.2W per Globe.



Protection:

Thermal Safety cut out at 80°C (176°F)



Connectors:

Water-tight (IP68) and self-locking.



Listings:

UL/cUL, CE, FCC, IK07 impact protection, BS EN 60598, IEC 60598



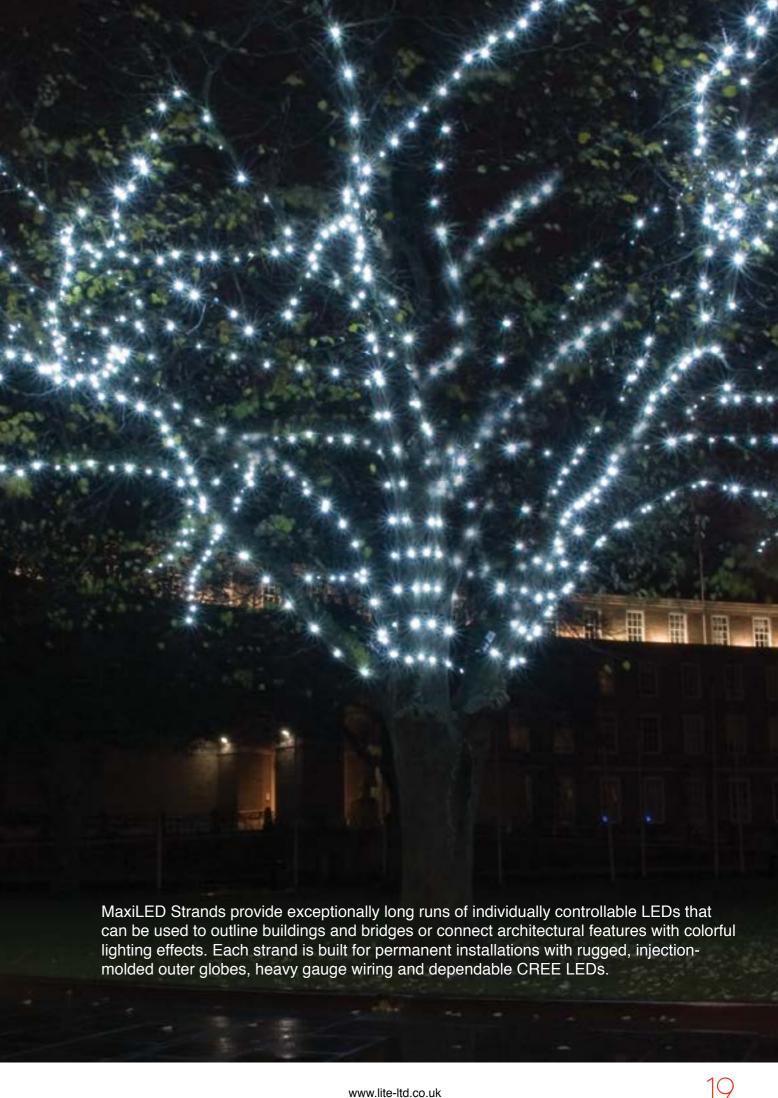
Cable/Run Lengths:

150 Globes per strand. 105 m (3,937 ins) maximum strand length including starter cable (connects power supply with strand).

Cable Colour Options













Power Input: 90-305VAC (50/60 Hz)



Light Output: Contact factory or see maxiledlighting.com.



Environment:

Dry, damp and wet locations (IP68).



Light Source:

Cool white, warm white, red, green, blue and amber. More than one color can be used on a single strand.



Lumen Maintenance:

Estimated 85% lumen maintenance at 30,000 hours, L70 predicted life of 55,000 hours.



Clips available for zip-tie mounting to any surface or walls. Trunking for concealing cables and elastic cable ties also available for trees and live landscaping.



Power Output: 24VDC.



0.6W per Globe.



Operating Temperature: -25° to 50°C (-13° to 122°F)



Connectors:

Water-tight (IP68) and self-locking.



UL/cUL, CE, FCC, IK07 impact protection, BS EN 60598, IEC 60598



Cable/Run Lengths:

200 Globes per strand. 105m (345ft) maximum strand length including starter cable.

Globe Finish Options

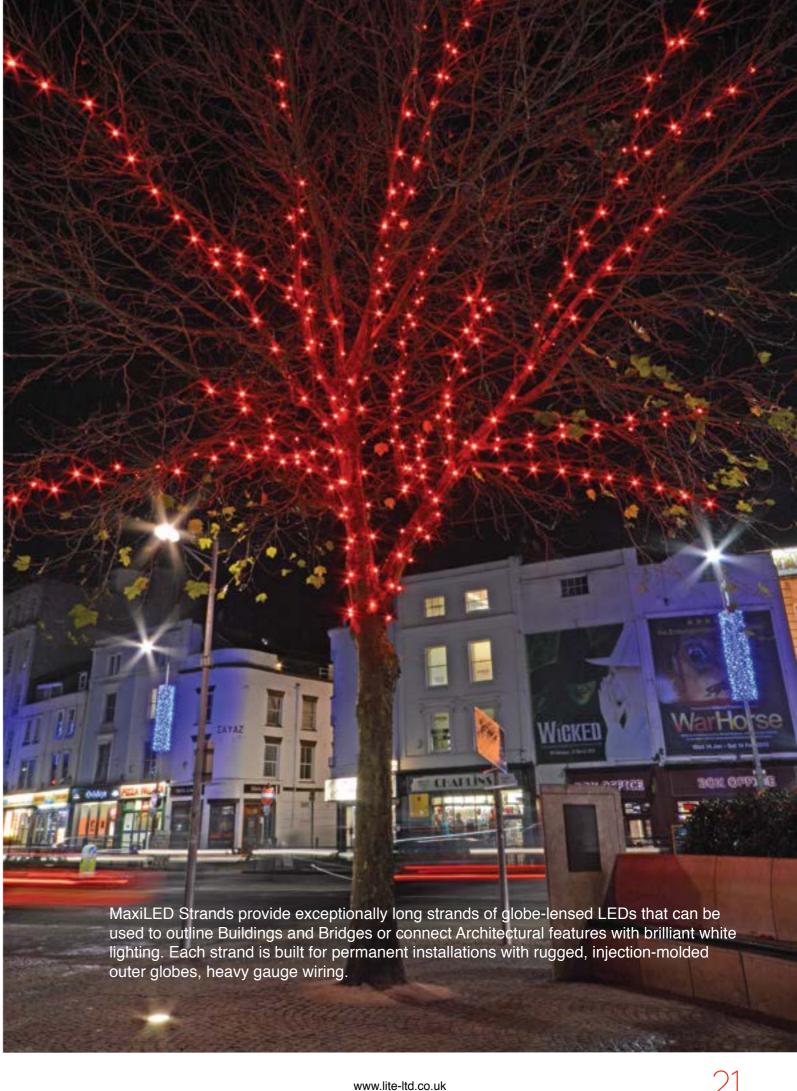




Cable Colour Options







Components Electronic Drivers

Power Supply Quick Reference data

Low Voltage Electronic Drivers A range of IP rated low voltage electronic drivers which have been specifically designed for use with these LED Lighting Systems. These small and lightweight low voltage drivers suit both small and large scale applications.



['] ₹2/ ₁	in solve solves	100 lo	Aloc Sc	TOC SAO,	Superior Sup	SUC SE	100 30 M	eno ou	'n
110 - 277VAC input	•								
90 - 305VAC input		•		•	•	•	•	•	•
Power factor corrected for high efficiency	•			•					
Working Temperature -40°c to 80°c	•	•							
Working Temperature -40°c to 70°c									
Working Temperature -40°c to 50°c			•	•	•				
Short circuit, over load, over voltage & over temperature protections	•			•					
IP65 Designed for indoor or outdoor installation	•	•	•	•	•	•	•		•
World Wide Availability				•		•			
USA and Canada Availability	•		•						
UL/cUL/CE				•					

Product Power Supply Selector

	Maxil NA TO	Pho Le	CANOC TO	SALDC 15	CALOC SALOC SALOC	Solo To	SUDC SEC	NOC 30	100 CO	Ph
Large / Small Globe Series RGB Random		•	•							
Large Globe Series High Output				•	•	•				
Large Globe Series Single Colour				•	•	•				
Large Globe Series RGBW (DMX)	•						•	•	•	
Marker Effect Series RGBW (DMX)	•						•	•	•	•
Spotlight Series RGBW (DMX)	•							•	•	
Focal Facade Series RGBW (DMX)	•						•	•	•	•



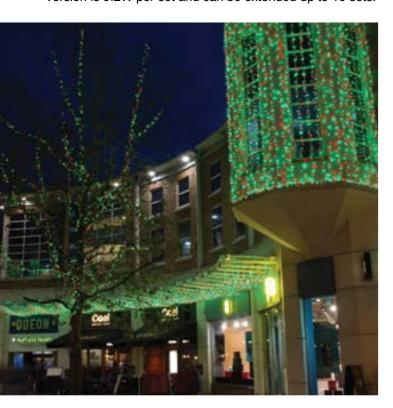
LED Mini Light Sets 230v



Well proven and hugely successful, the LED Mini Light range is perfect for intensely brilliant seasonal and non seasonal tree display lighting.

Each LED is encased in a silicon gel with a PVC membrane making them weather and damage resistant. The cable is white or black rubber sheathed and the product conforms to the latest EN standards. Colours available are; White, Red, Green, Blue, Warm White, Yellow and Pink.

Each string has 100 LED Mini Lights (if one lamp fails the others remain lit) at 10cm spacing and are interconnectable so strings can be extended. The 230V version is 9.2W per set and can be extended up to 10 sets.



- 230V LED Mini Light Sets
- Minimal Maintenance
- Power leads sold separately

230V LED Mini Light Sets (10m)

Model Number Description

LED.FLR.W 10m cord with 100 x 230V

White LED Mini Lights with black rubber

cable

LED.FLR.WW 10m cord with 100 x 230V

Warm White LED Mini Lights with white rubber cable

LED.FLR.B 10m cord with 100 x 230V

Blue LED Mini Lights with black

rubber cable

LED.FLR.G 10m cord with 100 x 230V

LED Mini Lights with black rubber cable

LED.FLR.R 10m cord with 100 x 230V

Red LED Mini Lights with black rubber cable

230V Alternative cable colour versions

Model Number Description

LED.FLR.100.WH- 10m cord with 100 x 230V

Cool White LED Mini Lights with rubber cable

LED.FLR.100.WW- 10m cord with 100 x 230V

Warm White LED Mini Lights with rubber cable

LED.FLR.100.BL- 10m cord with 100 x 230V
Blue LED Mini Lights with rubber cable

LED.FLR.100.GR- 10m cord with 100 x 230V

Green LED Mini Lights with rubber cable

LED.FLR.100.RE- 10m cord with 100 x 230V Red LED Mini Lights with rubber cable

LED.FLR.100.YE- 10m cord with 100 x 230V

Yellow LED Mini Lights with rubber cable

LED.FLR.100.PI- 10m cord with 100 x 230V Pink LED Mini Lights with rubber cable

Powercord Cords are supplied seperately

CHPL230V-WH LED Power lead with AC/DC converter

white rubber cable

CHPL230V-BLK LED Power lead with AC/DC converter

black rubber cable

LED.FLR.MMC Circular Connector Ring (Black)

LED.FLR.YC Y Connector Ring (Black)

EXT30B 30cm Middle Connector (Black)

EXT300B 300cm Middle Connector (Black)

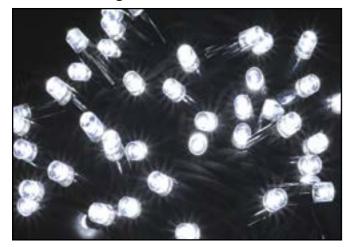
NOTE

Rubber cable colours available in white, green, red, blue and transparent. When ordering add colour to end of code. example: RED Mini LED on green rubber cable - FLR.LED.100.RE-Green





LED Mini Light Sets 24v



- 24V Versions
- **Low Energy Consumption**
- **Minimal Maintenance**

All the same characteristics as 230V LED Mini Light sets but with the added benifits of being Low Voltage Colours available are; White, Red, Green, Blue, Warm White, Yellow, Pink and also an RGB colour changing version.

Each string has 100 LED Mini Lights

(if one lamp fails the others remain lit) at 10cm spacing and are interconnectable so strings can be extended. 6.8W per set and can be extended up to 6 sets, the colour change is 9.2W per set and numerous sets can be centre fed from a transformer.

(Maximum 3 sets can be connected end to end) For full specification of transformers see page 22.

How many LED Mini Lights will I need?

Minimum amount of LED Mini lights required per tree (not including trunk, not colour change)

Tree Height(ft)	Number of Mini LED Lights	Transformer
10	1000 (10 x 100 String	g) 1 x RTR.LED.100
15	1500 (15 x 100 String) 1 x RTR.LED.150
20	2000 (20 x 100 String) 1 x RTR.LED.240
25	3000 (30 x 100 String) 2 x RTR.LED.150
30	4000 (40 x 100 String) 2 x RTR.LED.240
40	5000 (50 x 100 String) 2 x RTR.LED.240

No. of **Product** Max **Power Leads** End to end Connection 24VMini LED 1 Power Lead 10 sets 1 Power Lead Colour Change Mini LED 3 sets

For maximum effect then increase above qty's by at least 50%

24V LED Mini Light Sets (10m)

Model Number Description

LED.FLR.24.W 10m cord with 100 x 24V

White LED Mini Lights with rubber cable

LED.FLR.24.WW 10m cord with 100 x 24V

Warm White LED Mini Lights with rubber cable

LED.FLR.24.B 10m cord with 100 x 24V Blue LED Mini Lights with rubber cable

LED.FLR.24.G

10m cord with 100 x 24V

Green LED Mini Lights with rubber cable

24 Volt colour change

Model Number

LED.FL.98.24V.BL

LED.FL.98.24V.YE

Description

LED.FLR.24 CC 10M cord with 100 x 24V

Colour Change LED with rubber cable

24 Volt Alternative cable colour versions

Model Number Description

LED.FL.98.24V.WH 10m cord with 98 x 24V

Cool White LED Mini Lights with PVC cable

LED.FL.98.24V.WW 10m cord with 98 x 24V

Warm White LED Mini Lights with PVC cable 10m cord with 98 x 24V

Blue LED Mini Lights with PVC cable

LED.FL.98.24V.GR 10m cord with 98 x 24V

Green LED Mini Lights with PVC cable 10m cord with 98 x 24V

LED.FL.98.24V.RE Red LED Mini Lights with PVC cable

> 10m cord with 98 x 24V Yellow LED Mini Lights with PVC cable

10m cord with 98 x 24V LED.FL.98.24V.PI

Pink LED Mini Lights with PVC cable

Powercord Cords are supplied separately for LED.FLR

Model Number Description

CHPL24V-WH LED Power lead White rubber cable CHPL24V-BLK LED Power lead Black rubber cable LED.FLR.MMC Circular Connector Ring (Black) LED.FLR.YC Y Connector Ring (Black) EXT30B 30cm Middle Connector (Black) EXT300B 300cm Middle Connector (Black)

Rubber cable colours available in white, green, red, blue and transparent. When ordering add colour to end of code. example: RED Mini LED on green rubber cable - FLR.LED.100.RE-Green





LED Mini Lights Sets Flash



Battery Powered LED Mini Light Sets

- Auto Timer, 6 Hours on and 18 Hours off
- Static or Twinkle effect
- Low Voltage
- **Battery Included**

Battery powered LED Mini Lights Cool White. Designed for areas where power is inaccessible or difficult. These are available on green cable.

Model Number FLR.LED.BATT Description

15M cord with 100 x LED on green cable

Twinkle LED Mini Light Sets

24V & 230V Versions

Now available are the same length LED strings but with every 5th LED Minibulb having a gentle flash to give an overall twinkling effect to your display. These are available on black or white rubber cable.

Model Number LED.FLR.24.W.AN Description

10M cord with 100 x 24V White LED

with rubber cable

LED.FLR.W.AN 10M cord with 100 x 230V White LED

with rubber cable

Powercord Cords are supplied seperately for LED.FLR

LED Power lead with AC/DC CHPL230V-WH

converter White rubber cable

CHPL230V-BLK LED Power lead with AC/DC

converter Black rubber cable

Max Connection

End to end

8 sets

CHPL24V-WH LED Power lead White rubber cable

CHPL24V-BLK LED Power lead Black rubber cable

No. of

Power Leads

1 Power Lead LED.FLR.24.W.AN 8 sets

Product

1 Power Lead LED.FLR.W.AN Flash LED Mini Light Sets

- 24V
- 6.7W per set
- Can be extended up to 5 sets

20m length LED strings with 30 strobe flash LED Minibulb These are available on white, transparent, green, red, blue and yellow PVC cable.

(Maximum 5 sets can be connected end to end) For full specification of transformers see page 22.

Model Number

Description

20M cord with 30 x 24V

Cool White LED on PVC cable

LED.FL.ALLFLASH.24V.WW-

LED.FL.ALLFLASH.24V.WH-

20M cord with 30 x 24V Warm White LED on PVC cable

No. of

Product Power Leads

Max Connection End to end

1 Power Lead

LED.FL.ALLFLASH.24V. 5 sets



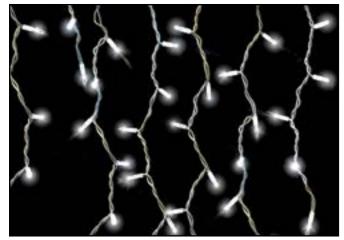
NOTE

PVC cable colours available in : white, green, red, blue, yellow and transparent. When ordering add colour to end of code. example: Cool White Mini LED on green rubber cable: LED.FL.ALLFLASH.24V.WH-Green





LED Mini Lights Curtain Sets



- **Minimal Maintenance**
 - **Low Energy Consumption**

230V LED Mini Light Sets

Power leads sold separately

Well proven and hugely successful the LED Curtain Light range is perfect for intensely brilliant seasonal display lighting.

Producing an enchanted sight with these stunning LED curtain lights. Be creative with these adaptable LED curtain lights, which can be used in unlimited locations.

LED Curtoin Lights 220V

Indoor LED Curtain	Lights 230V		LED.FLR
Model Number	Description	Max Connect	LED.FLR
LED.FLRS.240.WH.230V	2M X 1M High Curtain Light with 240 Cool White LED lamps on PVC transparent cable. 18W	10	LED.FLR
LED.FLRS.240.WW.230V	2M X 1M High Curtain Light with 240 Warm White LED lamps on PVC transparent cable. 18W	10	LED.FLR
LED.FLRS.240.BL.230V	2M X 1M High Curtain Light with 240 Blue LED lamps on PVC transparent cable. 18W	10	LED.FLR
LED.FLRS.368.WH.230V	2M X 1.5M High Curtain Ligh with 368 Cool White LED lamps on PVC transparent cable. 36W	t 5	LED.FLR
LED.FLRS.368.WW.230V	2M X 1.5M High Curtain Ligh with 368 Warm White LED lamps on PVC transparent cable. 36W	t 5	LED.FLR
LED.FLRS.368.BL.230V	2M X 1.5M High Curtain Ligh with 368 Blue LED lamps on PVC transparent cable. 36W	t 5	LED.FLR
Powercords are supplied se	eperately		LED.FLR
CO.FLRLED.230	LED.FLR connection set AC to	o DC	

230V/IP44 European plug

with 3A convertor

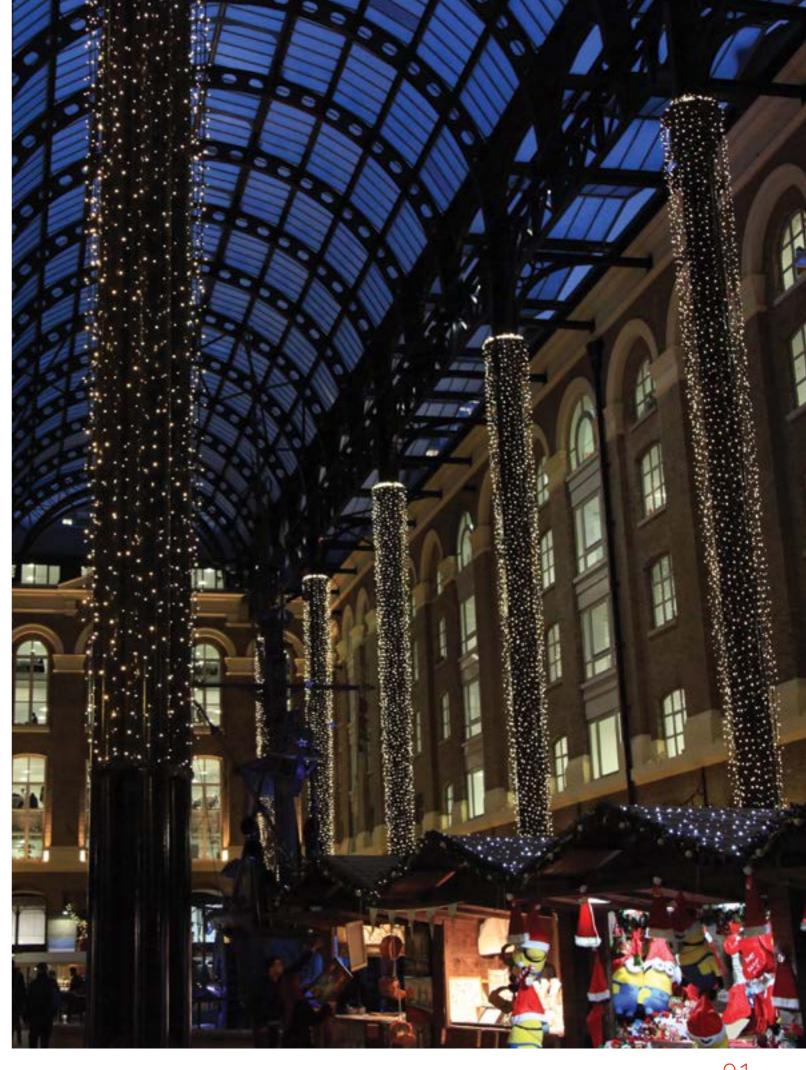
LED Curtain Lights 230V

Model Number

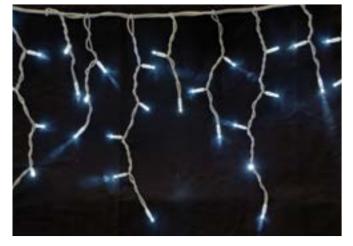
		Conne
LED.FLRS.72.WH.230V	1M X 1M High Curtain Light with 72 Cool White LED lamps on rubber cable.	30
LED.FLRS.72.WW.230V	1M X 1M High Curtain Light with 72 Warm White LED lamps on rubber cable.	30
LED.FLRS.72.BL.230V	1M X 1M High Curtain Light with 72 Blue LED lamps on rubber cable.	30
LED.FLRS.144.WH.230V	1M X 2M High Curtain Light with 144 Cool White LED lamps on rubber cable.	20
LED.FLRS.144.WW.230V	1M X 2M High Curtain Light with 144 Warm White LED lamps on rubber cable.	20
LED.FLRS.144.BL.230V	1M X 2M High Curtain Light with 144 Blue LED lamps on rubber cable.	20
LED.FLRS.216.WH.230V	1M X 3M High Curtain Light with 216 Cool White LED lamps on rubber cable.	10
LED.FLRS.216.WW.230V	1M X 3M High Curtain Light with 216 Warm White LED lamps on rubber cable.	10
LED.FLRS.216.BL.230V	1M X 3M High Curtain Light with 216 Blue LED lamps on rubber cable.	10
LED.FLRS.555.WH.230V	2M X 3M High Curtain Light with 555 Cool White LED lamps on rubber cable.	5
LED.FLRS.555.WW.230V	2M X 3M High Curtain Light with 555 Warm White LED lamps on rubber cable.	5
LED.FLRS.555.BL.230V	2M X 3M High Curtain Light with 555 Blue LED lamps on rubber cable.	5

Description

Max



LED Icicle Lights 230 Volt Icicles



- 230V LED Icicle Light Sets
- Minimal Maintenance
- Low Energy Consumption
- Power leads sold separately

LED Icicle Lights 230V

LED icicles. 150 or 300 Led lamps on 5m long black or white rubber cables.

The drop is 500mm or 1000mm. Inter-connectible from one power source. Available in White, Warm White or Blue.

Great for use with cross streets, along canopies, around buildings, and even as a ceiling of light for the extra sparkle.

Having exceptional low energy consumption and minimal maintenance this product is the ideal long-term professional solution to effective illumination.

Description	Max Connec
5M X 0.5M High Icicle Lights with 160 Cool White LED lamps on white or black rubber cable.	16
5M X 0.5M High Icicle Lights with 160 Warm White LED lamps on white or black rubber cable.	16
5M X 0.5M High Icicle Lights with 160 Blue LED lamps on white or black rubber cable.	16
	5M X 0.5M High Icicle Lights with 160 Cool White LED lamps on white or black rubber cable. 5M X 0.5M High Icicle Lights with 160 Warm White LED lamps on white or black rubber cable. 5M X 0.5M High Icicle Lights with 160 Blue LED lamps

Powercord Cords are supplied seperatley for LED.FLR

CHPL230V-WH LED Power lead with AC/DC converter with

White rubber cable

CHPL230V-BLK LED Power lead with AC/DC converter with

Black rubber cable

Model Number	Description	Max Connect
LED.ICFLRS.150.WH.230V	5M X 0.5M High Icicle Lights with 150 Cool White LED lamps on rubber cable.	12
LED.ICFLRS.150.WW.230V	5M X 0.5M High Icicle Lights with 150 Warm White LED lamps on rubber cable.	12
LED.ICFLRS.150.BL.230V	5M X 0.5M High Icicle Lights with 150 Blue LED lamps on rubber cable.	12
LED.ICFLRS.300.WH.230V	5M X 1M High Icicle Lights with 300 Cool White LED lamps on rubber cable.	8
LED.ICFLRS.300.WW.230V	5M X 1M High Icicle Lights with 300 Warm White LED lamps on rubber cable.	8
LED.ICFLRS.300.BL.230V	5M X 1M High Icicle Lights with 300 Blue LED lamps on rubber cable.	8
Powercords are supplied se	perately for LED.FLRS]	
CO.FLRLED.230	LED.FLR connection set AC to 230V/IP44 European plug with 3A convertor	DC



LED Falling Light



LED Falling Lights 36V

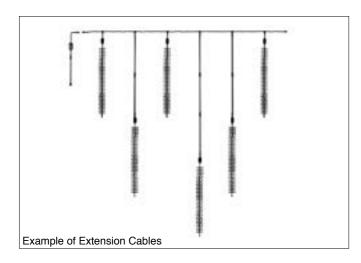
Light chain with asynchronous speed of descents. Each descent is managed by a timed controller, independent by other descents. The light fall effect is unique and exclusive.

LED Falling Light. 64 Led lamps on 1.8m long rubber cables, connectable up to 20 meters. Each Single Segment measures 1m wide, Four Segments measure 4m wide and 6 segments measure 6m wide.

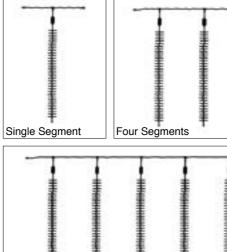
Inter-connectible from one power source. Available in White or Warm White.

Great for use with cross streets, in trees, around buildings, and even as a ceiling of light for the extra sparkle.

Having exceptional low energy consumption and minimal maintenance this product is the ideal long-term professional solution to effective illumination.



- 36V LED Falling Light Sets
- Power supply sold separately
- Low Energy Consumption
- Single Modules allow maximum freedom of expression

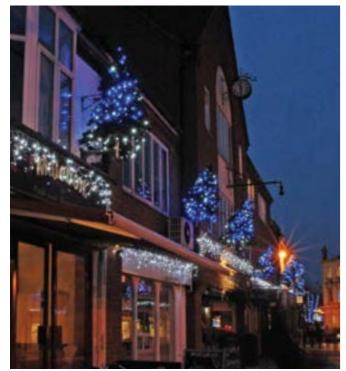


Six Segments	274 16 16 5	
Model Number	Description	Max Connect
LED.FL.36.1/cw	1.8m 1 Line of 64 LED Falling Lights in Cool White on black rubber cable.	20
LED.FL.36.1/ww	1.8m 1 Line of 64 LED Falling Lights in Warm White on white rubber cable.	20
LED.FL.36.4/cw	1.8m 4 Lines of 64 LED Falling Lights in Cool White on white rubber cable.	5
LED.FL.36.4/ww	1.8m 4 Lines of 64 LED Falling Lights in Warm White on black rubber cable.	5
LED.FL.36.6/cw	1.8m 6 Lines of 64 LED Falling Lights in Cool White on white rubber cable.	4
LED.FL.36.6/ww	1.8m 6 Lines of 64 LED Falling Lights in Warm White on white rubber cable.	4
Supplied seperately.		
TRAN.36.W	LED Power supply transformer with rubber cable	n White
TRAN.36.B	LED Power supply transformer with rubber cable	n Black
LED.FL.C.1.W	1m Extension rubber cable in White	е
LED.FL.C.1.B	1m Extension rubber cable in Black	<



Trees

Artificial & Natural Christmas Trees



Outdoor Artificial Trees

Outdoor artificial trees, are flame retardant and U.V. Stabilised, with hinged branches as standard, for easy assembly and storage.

They have an expected life of 5 years when used for 6 to 8 weeks of the year.

See pages 24 - 29 for LED mini-bulbs 230V or 24V. 5' (150CM) Tree - 200 Lights Suggested.

Model No. Tree104

Description 5' Tree

Zinc Plated Wall bracket. 45° bracket

Model No.

Description

BTW.45 45° Bracket for artificial trees

(Requires 2xM8 Rawl bolts not supplied)





Natural Christmas Trees

We can help you decide which tree will suit your space then we will deliver, install and dress the tree. After the Christmas period we will dismantle and clear the tree from your site, then chip it and make it into compost.

Should you wish, we also offer a bespoke dressing and lighting service to suit your corporate colours.

The Natural trees we can supply include:

Norwegian Spruce Lovely pine fragrance **Nordmann Fir** Good needle retention



















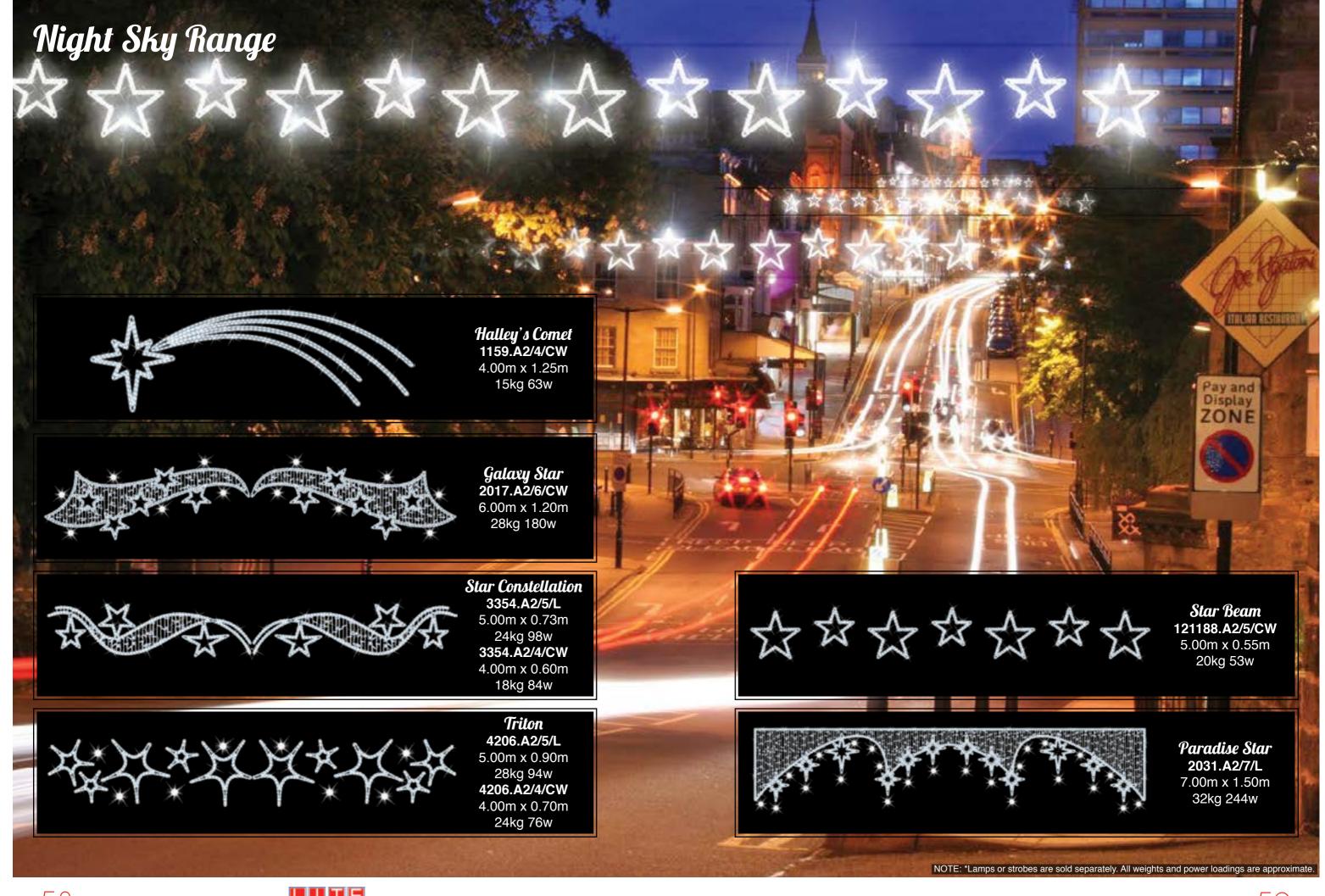






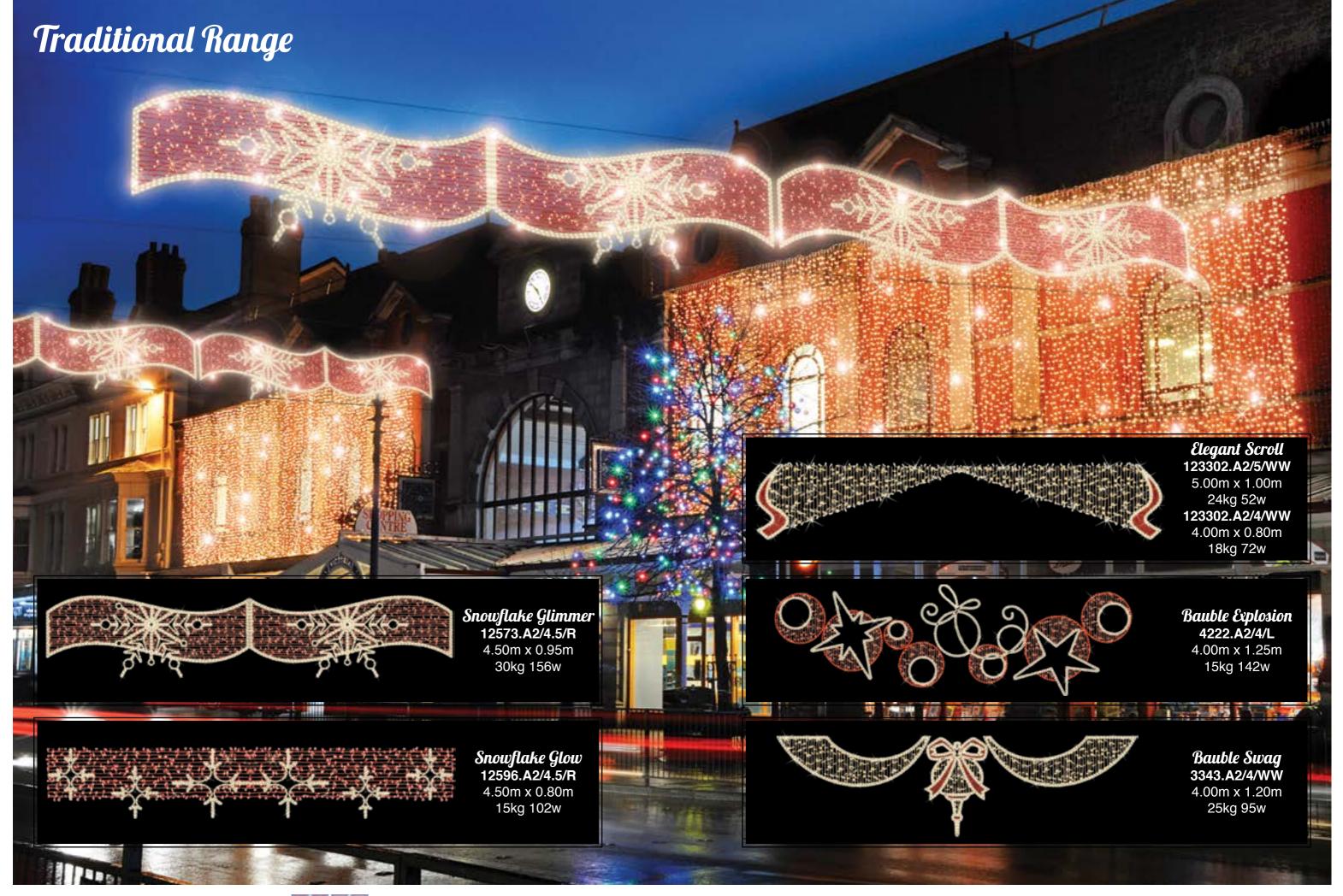




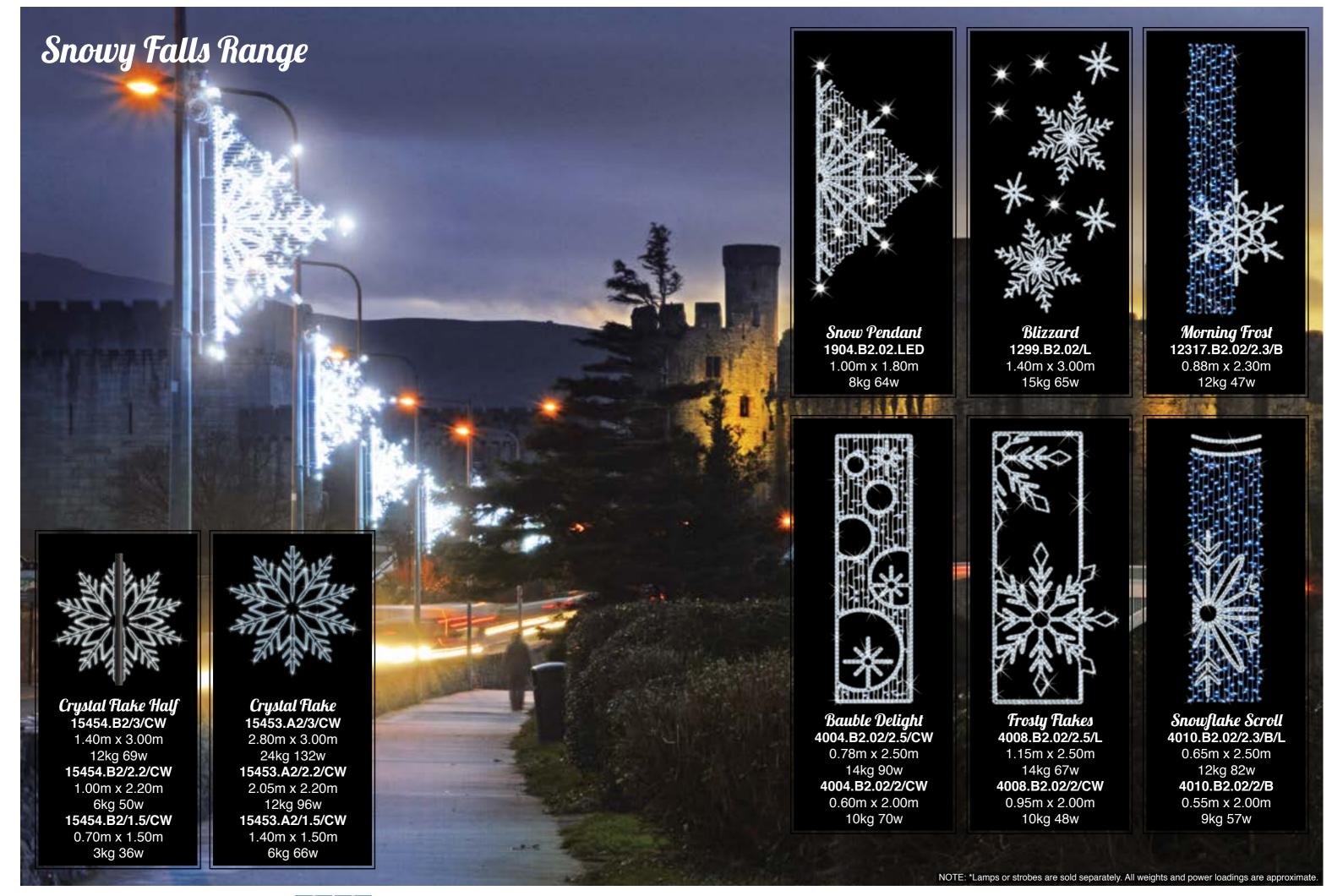






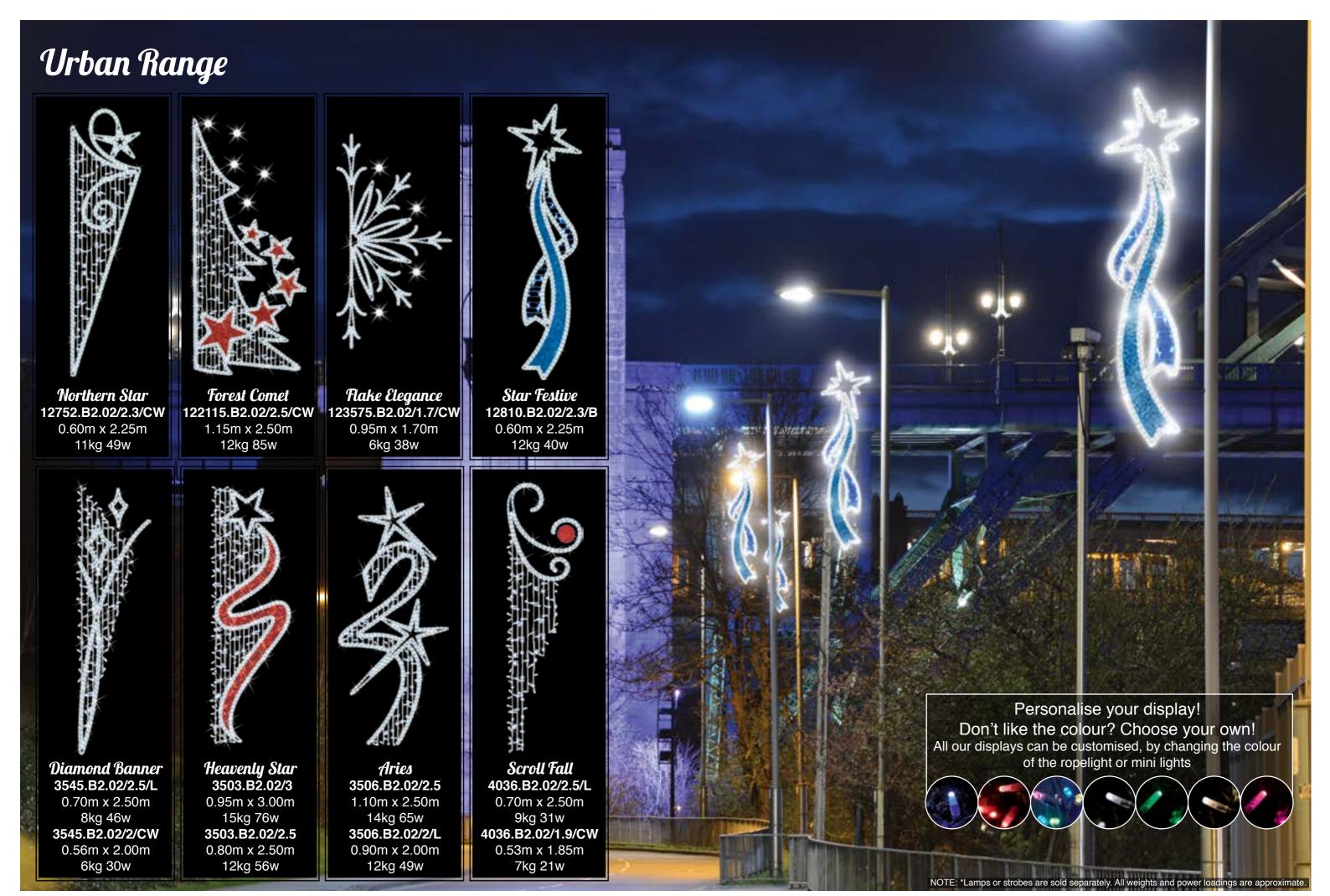


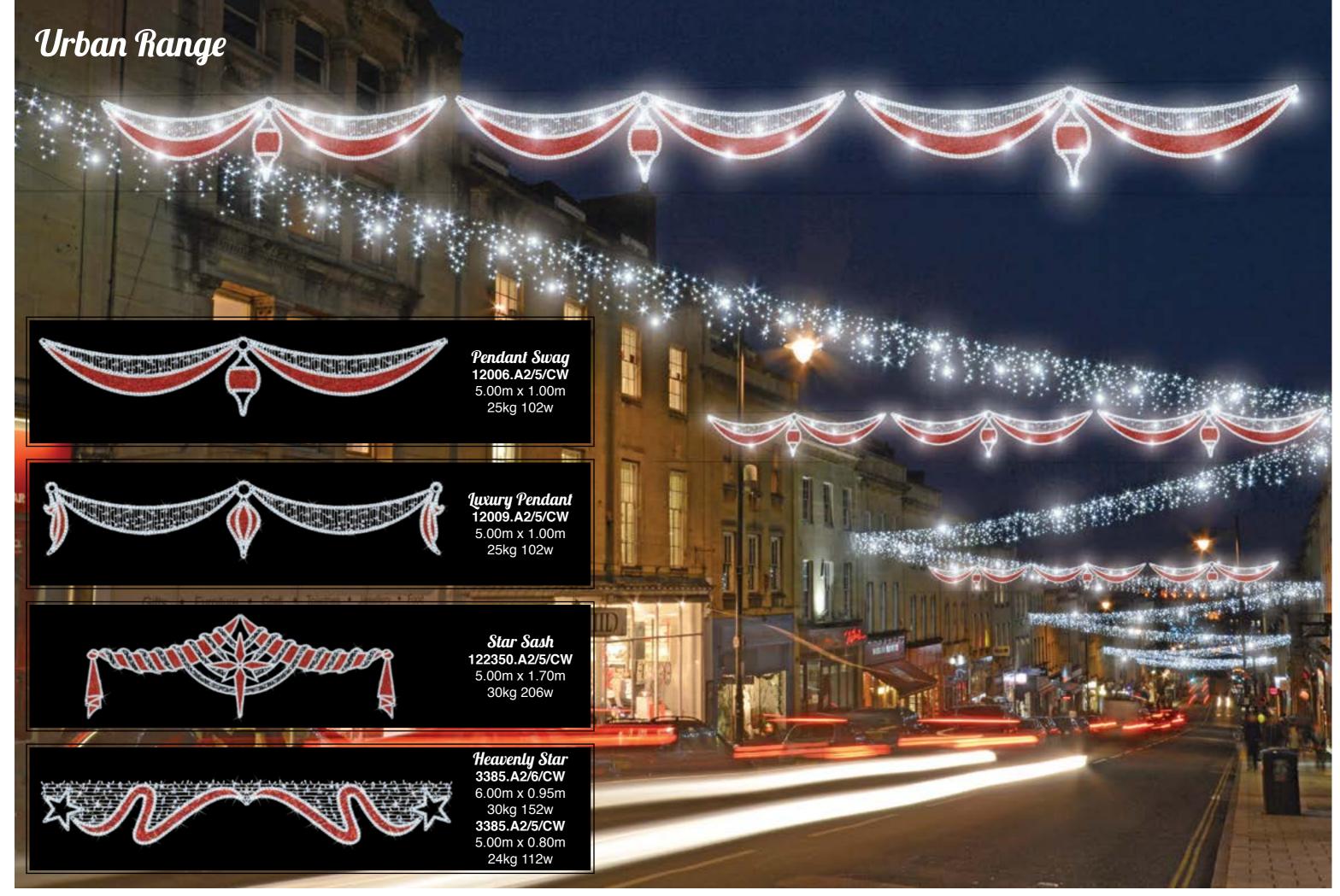


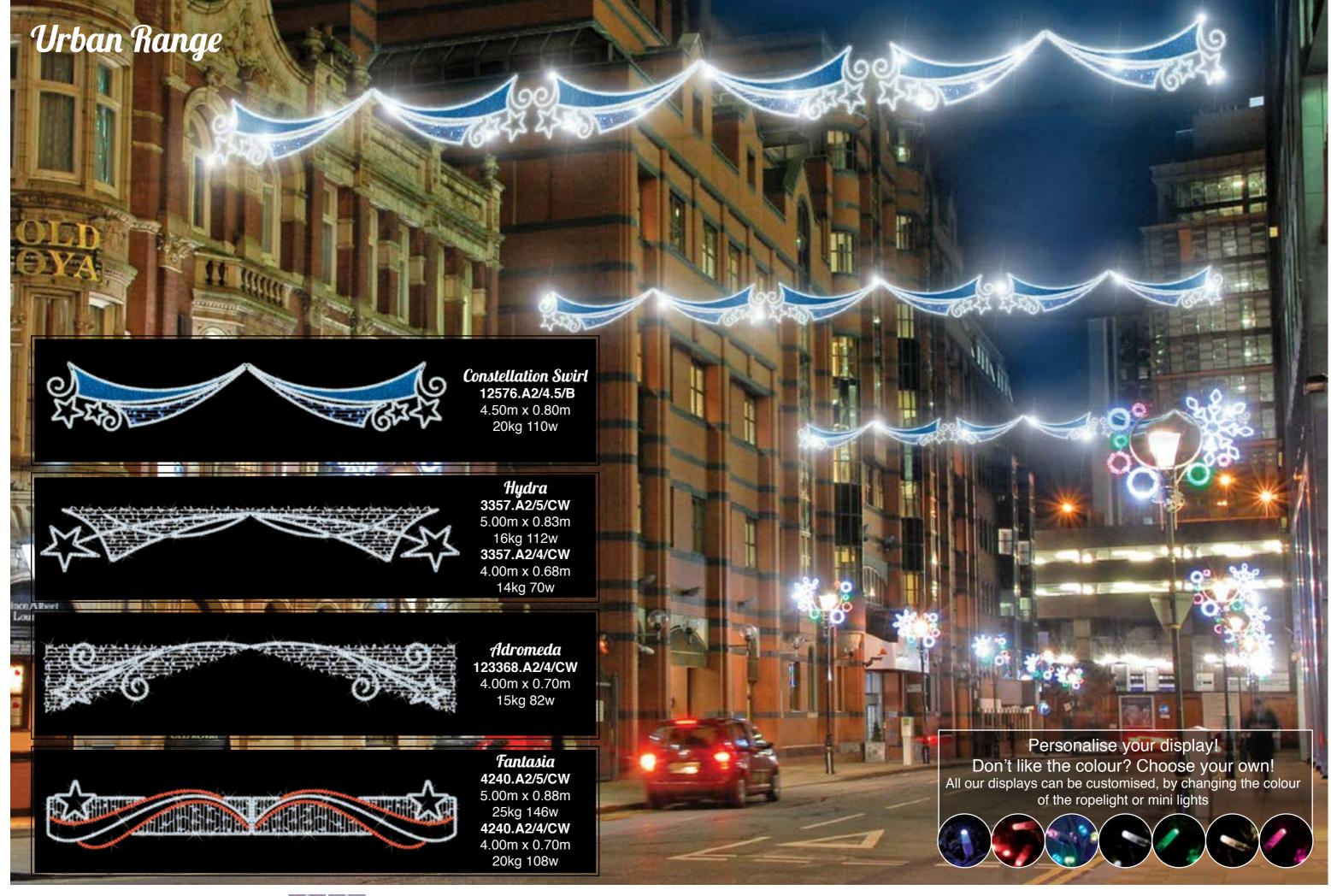








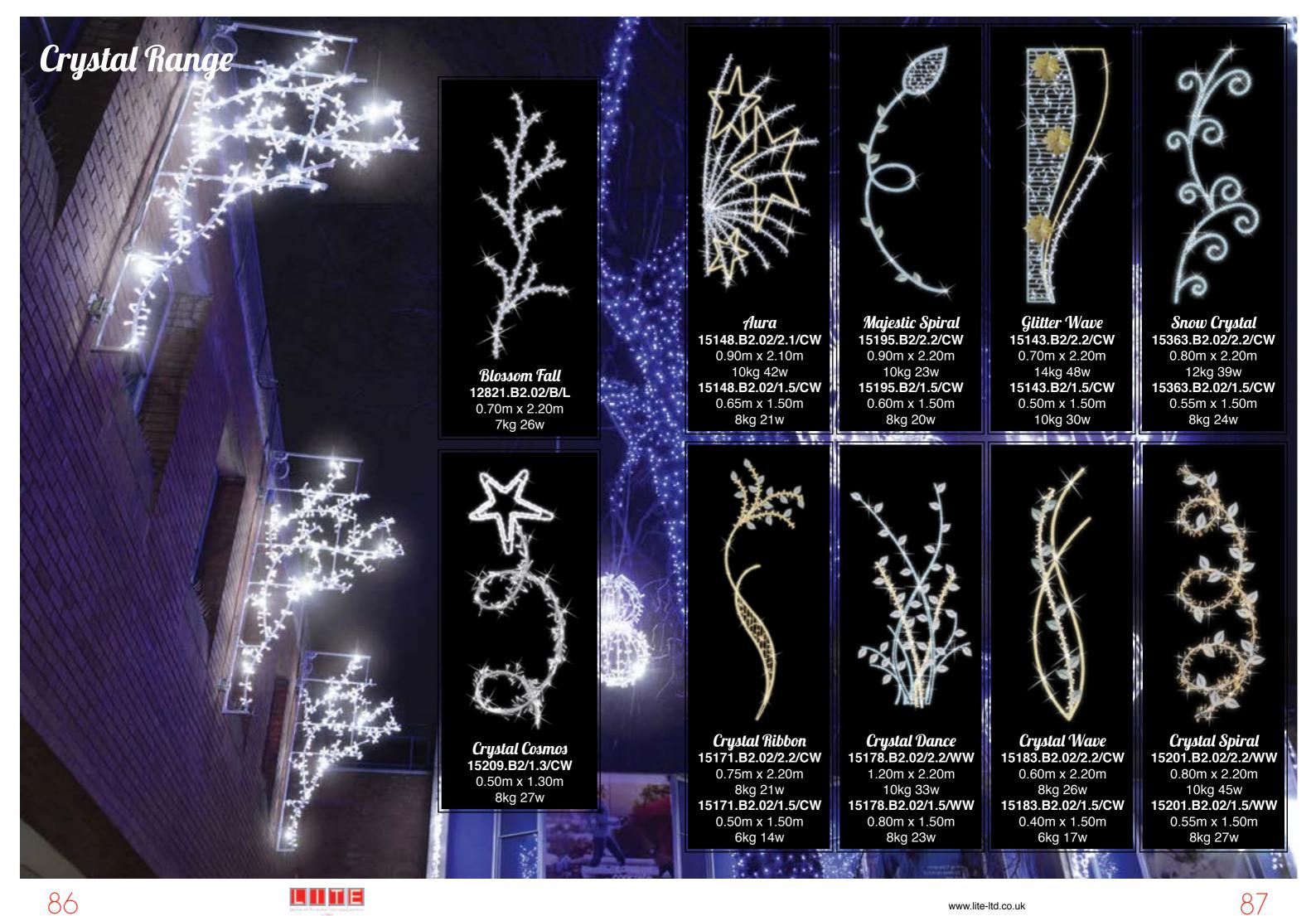








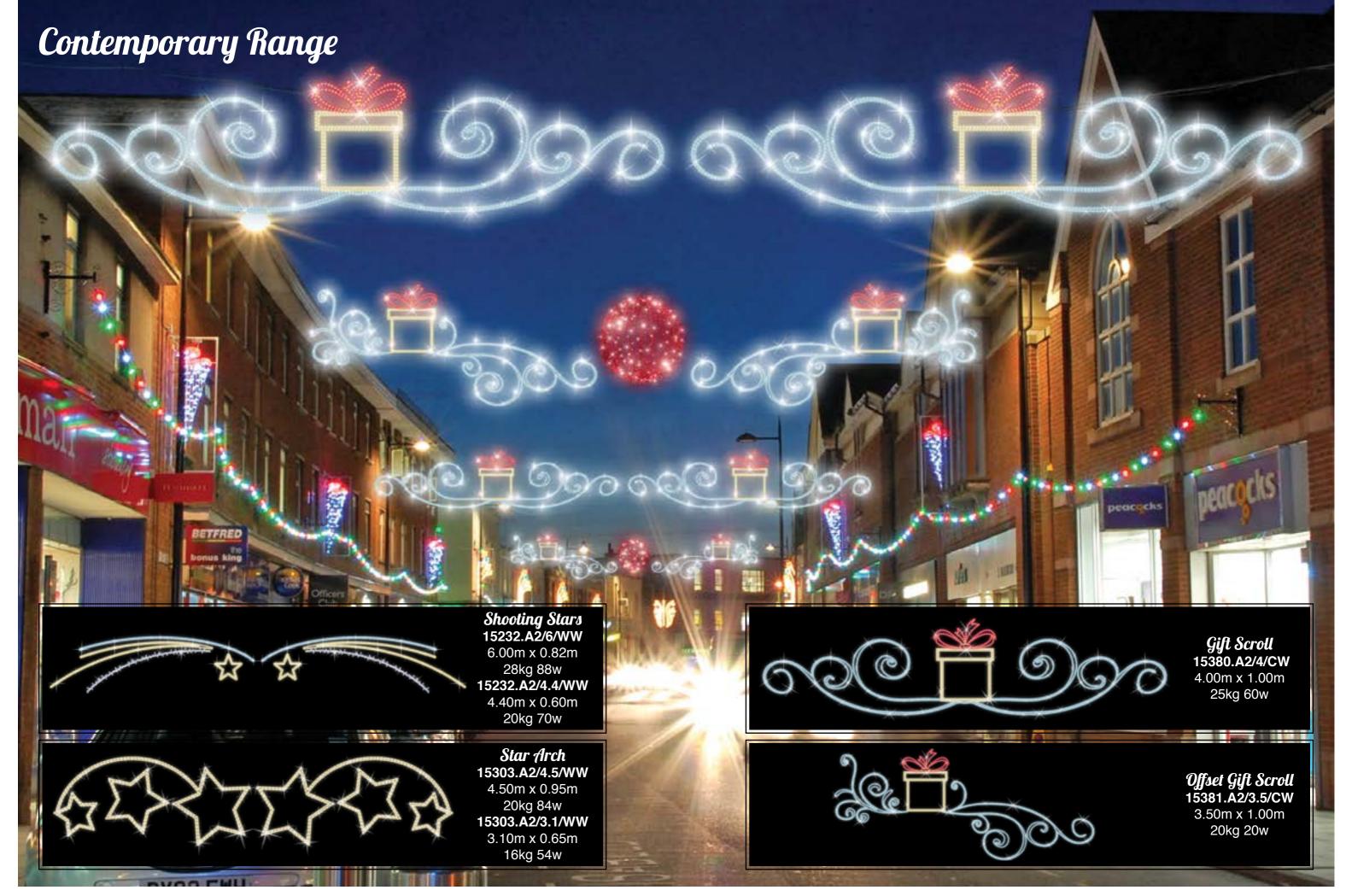






















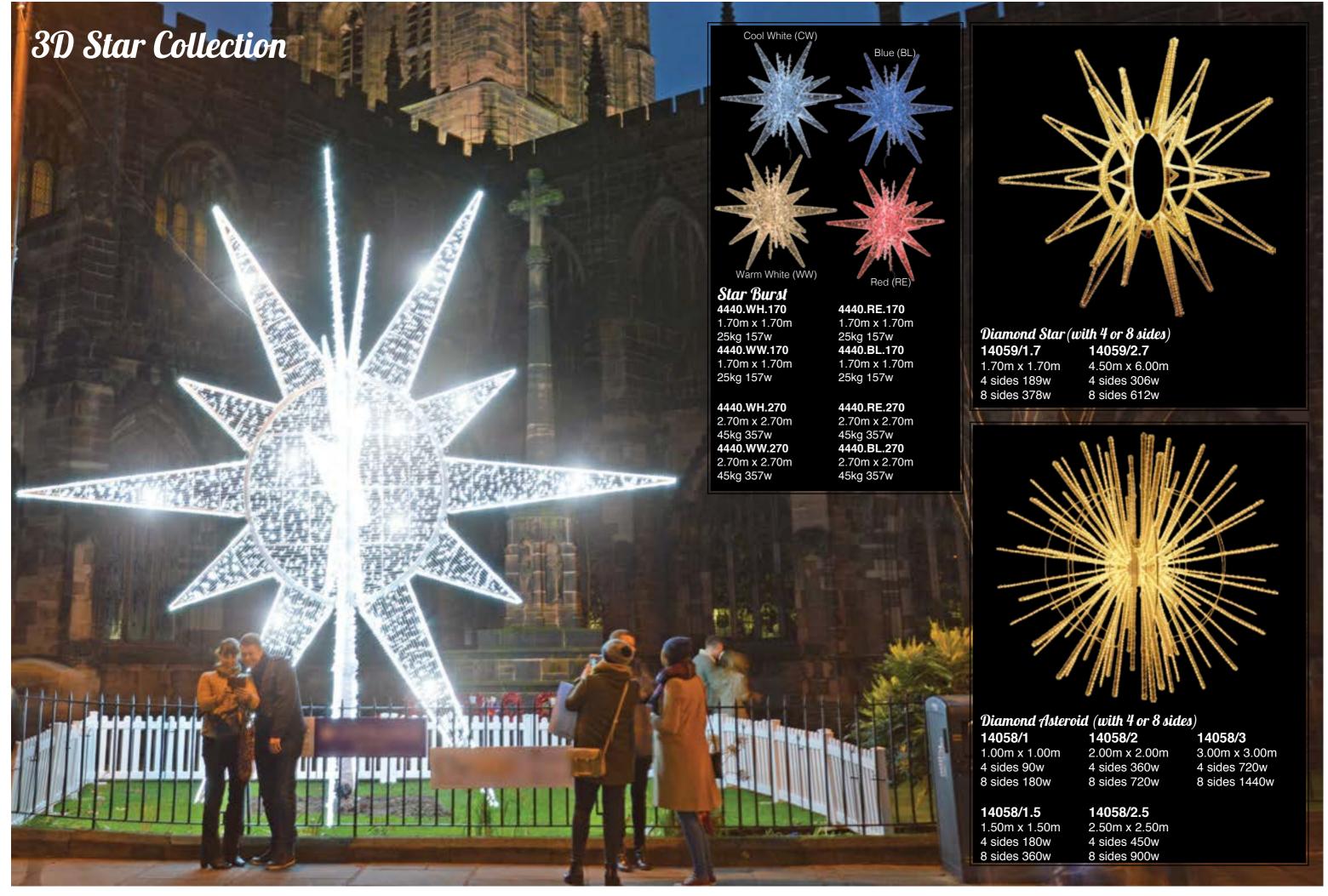


















Accessories

Strobe Lights & LED Ropelight

Strobe Lights

The Strobe light produces a random flashing effect with the use of a 5 watt high intensity xenon lamp, creating from a distance an attractive twinkling effect.

Technical Specifications

Supply 230 volt 3w Load B22 Base IP44 Protection



SFC001





Blue Strobe SFY005



Green Strobe SFY003



Red Strobe

Yellow Strobe SFC006 SFY002

NOTE

Colours and cover shape may vary from samples shown

LED Ropelight

LED ropelight is the best solution for high brightness decoration and long life duration. Low energy consumption.

Colour					
Cutting Distance	1.00m	1.00m	1.00m	1.00m	1.00m
Roll Length	40m	40m	40m	40m	40m
Power LED	1.92W/m	1.92W/m	1.92W/m	1.20W/m	1.20W/m
Voltage	230V	230V	230V	230V	230V







Accessories

Brackets

Brackets

Brackets for column or wall mounted displays, are manufactured from steel, then zinc plated to prevent corrosion. Both the column and the wall bracket are manufactured in 2 parts, enabling you to permanently fix one part to the column or wall and the other to the displays.

Note: All displays are subject to wind resistance especially in exposed locations.

Column displays up to 2M high require 2 x Column Brackets. Displays over 2M high require 3 x Column Brackets

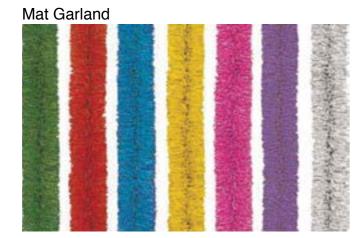
Model	Description

HDB.01 Zinc Plated column bracket (1 piece) HWB.02 Zinc Plated wall bracket (1 piece)



Accessories

Outdoor Garland



Model Description

BIP.80.G

BIP.80.R

BIP.80.B

BIP.80.Y

BIP.80.P

BIP.80.PU

BIP.80.W

80mm Garland in Green
10 metres Long - MAT
80mm Garland in Red
10 metres Long - MAT
80mm Garland in Blue
10 metres Long - MAT
80mm Garland in Yellow
10 metres Long - MAT
80mm Garland in Pink
10 metres Long - MAT
80mm Garland in Purple
10 metres Long - MAT
80mm Garland in White
10 metres Long - MAT

OGL120SI 120mm Garland in Sliver 10 metres Long - MAT OGL120B 120mm Garland in Blue 10 metres Long - MAT OGL120YL 120mm Garland in Yellow 10 metres Long - MAT OGL120R 120mm Garland in Red 10 metres Long - MAT OGL1200 120mm Garland in Orange 10 metres Long - MAT OGL120W 120mm Garland in White 10 metres Long - MAT

BIP.80.GM 80mm Garland in Gold 10 metres Long - METALLIC BIP.120.GM 120mm Garland in Gold 10 metres Long - METALLIC BIP.120.SM 120mm Garland in Sliver 10 metres Long - METALLIC BIP.120.RM 120mm Garland in Red 10 metres Long - METALLIC BIP.120.BM 120mm Garland in Blue 10 metres Long - METALLIC BIP.120.GRM 120mm Garland in Green

10 metres Long - METALLIC



Garland

All outdoor garland is manufactured using coloured U.V. Resistant PVC and a twin galvanised wire. Suitable for outdoor and indoor use. It is produced in 10 metre lengths in either 80mm or 120mm diameter.





Accessories

Ropelight & Catenary Accessories



Description

Catenary Accessories

Catenary Wire Diameter - 3mm

Ref No.

CAT 003 100m Roll 3mm galvanised wire rope
GR133 Wire Rope Grip
TH133 Thimble

TH133 Thimble EYE051 Straining Eyebolt 10mm

SC103 Straining Screw 10mm Hook & Eye

6mm Fittings

Ref No.

CAT 006 100m Roll 6mm galvanised wire rope

GR122 Wire Rope Grip
TH122 Thimble

EYE051 Straining Eyebolt 10mm SC103 Straining Screw 10mm Hook & Eye

D Shackle 10mm

Description

Wall Anchor Plate

D143

SIZE 150mm x 150mm

Catenary Wire Diameter - 6mm

N° of strands6 Fibre CoreN° of wires per Strand
Lay19
RHOLCorrosion ResistanceGalvanisedTensile wire strength1770 n/mm2Minimum Break Load21.0 kNFactor of Safety5:1SWL4.2 kN

Diameter - 3mm

SWL

N° of strands6 Fibre CoreN° of wires per Strand19LayRHOLCorrosion ResistanceGalvanisedTensile wire strength1770 n/mm2Minimum Break Load4.89 kNFactor of Safety5:1

For weight load and testing up to 10kN the following is to be used: 100m roll 8mm 7 x 19 Stainless Steel Wire Rope

0.98 kN.

M12 Stainless Steel eyebolts 8mm Stainless Steel wire rope grips 8mm Stainless Steel Hook & Eye

Ropelight Accessories

HET.04

CH-2W

A complete range of connection and mounting solutions are available for 13mm ropelight.

Low voltage and multi wire controllers available on request.

Model	Description
RUB.LED.1	LED ropelight connector AC / DC
RUB.2W.13	1.6Mtr rubber wire power cord 13mm ropelight IP44 (pack of 4 pieces)
2W-6	13mm End Cap (pack of 100 pieces)
PVC.10	Shrinkable tube 8-10cm for ropelight connection (pack of 100 pieces)
SPL.2W.01	Easy splice connector for 2 x 1 channel 13mm ropelight (pack of 100 pieces)
KON.22.01	BC adaptor with ropelight connector

(pack of 100 pieces)

Cable ties (160 X 2.5)mm in all colour

2M clear channel for 13mm ropelight



Index

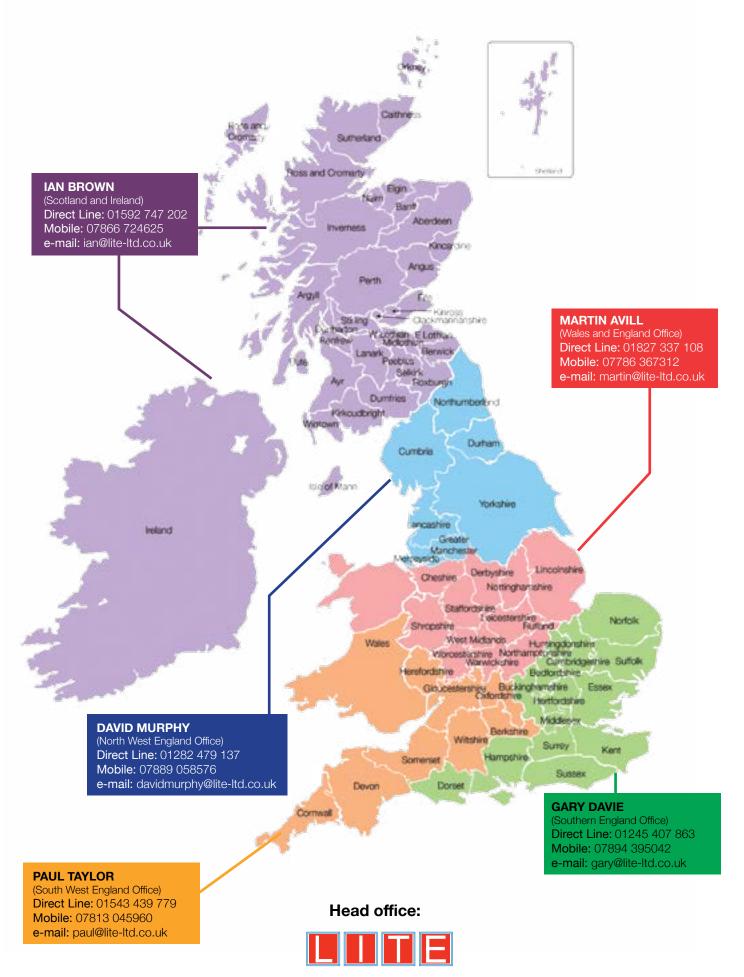
Displays

. ,					
1157.A2/4/WW	96	12527.A2/6/WW	52	15080.B2.02/3x0.6	109
1159.A2/4/CW	58	12528.A2/6/CW	52	15080.B2.02/3x1.2	109
1183.A2/L	67	12548.A2/4.5/WW	55	15085.B2.02/2x0.6	109
12003.A2/5/WW	55	12563.A2/5.8/WW	82	15085.B2.02/2x1	109
12006.3.9/WH	120	12569.A2/4/B	71	15085.B2.02/3x1.2	109
12006.A2/5/CW	76	12570.A2/4/CW	7 1 71	15143.B2/1.5/CW	87
12000.A2/3/CVV 12007.5.7/WH	120	12573.A2/4.5/R	64	15143.B2/2.2/CW	87
12008.7.3/WH	120	12575.A2/5/WW	54	15144.A2/3/CW	88
12009.A2/5/CW	76	12576.A2/4.5/B	78	15148.B2.02/1.5/CW	87
12043.A2/4.6/B	85	12579.A2/3.6/WW	100	15148.B2.02/2.1/CW	87
12107.A2/5/B	72	12596.A2/4.5/R	64	15149.A2/3/CW	88
12111.A2/5/B	73	12611.A2/12/R	52	15149.A2/4.4/CW	88
121188.A2/5/CW	59	12634.A2/4/R	100	15171.B2.02/1.5/CW	87
121222.B2.02/3/CW	56	12739.B2.02/2.3	50	15171.B2.02/2.2/CW	87
121291.B2.02/3	63	12752.B2.02/2.3/CW	74	15172.A2/3/WW	91
12133.A2/6.5/B	61	12786.B2.02/3/CW	51	15172.A2/4.4/WW	91
121433.B2.02/1.2/CW	103	12806.B2.02/1.7/CW	99	15173.A2/4.4/WW	91
121452.B2.02	103	12810.B2.02/2.3/B	74	15178.B2.02/1.5/WW	87
121503	118	12812.B2.02/2/R	99	15178.B2.02/2.2/WW	87
121504	118	12821.B2.02/B/L	86	15179.A2/3/WW	88
121505	118	12839.B2.02/2.5	80	15179.A2/4.4/WW	88
121840	118	12839.B2.02/2	80	15183.B2.02/1.5/CW	87
121841	118	12971	123	15183.B2.02/2.2/CW	87
					88
121905.B2.02/2.5/WW	63	12972	123	15184.A2/4.4/WW	
121941.B2.02	63	12973	123	15185.A2/4.4/WW	89
122115.B2.02/2.5/CW	74	12974	123	15195.B2/1.5/CW	87
122124.B2.02/2.3	63	12975	123	15195.B2/2.2/CW	87
122350.A2/5/CW	76	12976	123	15197.A2/3.4/CW	91
122576	118	1299.B2.02/L	69	15201.B2.02/2.2/WW	87
122577	118	1395.B2.02.LED	99	15202.A2/3/WW	89
122578	118	14046/0.6	114	15202.A2/4/WW	89
122579	118	14047/0.8	114	15208.A2/2.6/CW	88
122580	118	14058/1.5	117	15209.B2/1.3/CW	86
122581	118	14058/1	117	15226.A2/3/CW	82
122582	118	14058/2.5	117	15226.A2/4.4/CW	82
123035.250	120	14058/2	117	15231.B2.02/2.2/WW	92
123035.350	120	14058/3	117	15231.B2.02/3/WW	92
123035.450	120	14059/1.7	117	15232.A2/4.4/WW	94
12317.B2.02/2.3/B	69	14059/2.7	117	15232.A2/6/WW	94
12327.B2.02/2.3/CW	99	1431.B2.02/WW/L	93	15236.B2.02/2.2/R	92
123302.A2/4/WW	65	1438.B2.02/L	102	15236.B2.02/3/R	92
123302.A2/5/WW	65	1440.B2.02/L	102	15243.A2/3/WW	60
123334.A2/5/CW	101	1441.B2.02/L	102	15243.A2/4.4/WW	60
		1441.B2.02/L 1442.B2.02/L	102		
123368.A2/4/CW	78			15244.B2/1.5/WW	56 56
123375.A2	83	14450/2.4/WW	112	15244.B2/2.2/WW	56
123381.A2/5/CW	67	14451/2.4/WW	113	15264.A2/3/CW	100
12344.B2.02/2.3	98	14452/2.4/CW	113	15302.B2.02/1.5/WW	92
123512.B2.02	56	14453/2.4/CW	113	15302.B2.02/2/WW	92
123548.B2.02	63	1451.B2.02/L	103	15303.A2/3.1/WW	94
123575.B2.02/1.7/CW	74	15050.28/WW	110	15303.A2/4.5/WW	94
12384.B2.02/2.5/WW	51	15050.5/WW	110	15358.B2.02/2.5	93
12385.B2.02/2/WW	56	15053.3/WW	110	15359.A2/5/CW	97
12392.B2.02/2.3	80	15053.42/WW	110	15360.A2/5/CW	97
124209.A2/4.6/CW	83	15053.55/WW	110	15363.B2.02/1.5/CW	87
124414	123	15055.4/WW	110	15363.B2.02/2.2/CW	87
124415	123	15055.6/WW	110	15364.A2/3/CW	91
124416	123	15057.3/CW	110	15364.A2/4.4/CW	91
124417	123	15057.4/CW	110	15373.B2.02/1.9/WW	92
124418	123	15057.52/CW	110	15373.B2.02/2.9/WW	92
124419	123	15068/5.8/WW	113	15374.A2/3/WW	97
12526.A2/6/B	52	15080.B2.02/1.5	109	15374.A2/3/WW	97
12020.72/0/0	JL	13000.02.02/1.3	109	13017.72/7.7/0000	91

15379.B2.02/2.2	93	4001.CR.B2/0.7	109
15380.A2/4/CW	95	4001.CR.B2/0.9	109
15414.B2.02/1.5/WW	99	4001.CR.B2/1.2	109
15414.B2.02/2.2/WW	99	4004.B2.02/2.5/CW	69
15415.A2/4.4/WW	100	4004.B2.02/2/CW	69
15428.A2/4.5/CW	91	4008.B2.02/2.5/L	69
15429.A2/4.5/CW	91	4008.B2.02/2/CW	69
15449.B2/1.5/CW	93	4009.B2.02/2.3/B/L	81
15449.B2/2.2/CW	93	4010.B2.02/2.3/B/L	69
15449.B2/3/CW	93	4010.B2.02/2/B	69
15453.A2/1.5/CW	68	4016.B2.02/2.5/WW	51
15453.A2/2.2/CW	68	4020.B2.02/2.5/L	51
15453.A2/3/CW	68	4020.B2.02/2/WW	51
15454.B2/1.5/CW	68	4022.B2.02/2.5/L	56
15454.B2/2.2/CW	68	4022.B2.02/2/CW	56
15454.B2/3/CW	68	4026.B2.02/2.5/WW 4026.B2.02/2/WW	80
1904.B2.02.LED 2017.A2/6/CW	69 58	4028.B2.02/2.5/L	80 99
2031.A2/7/L	59	4028.B2.02/2	99
2042.A2/6/B	100	4020.B2.02/2 4030.B2.02/2.5/B	80
2051.A2LED	67	4030.B2.02/2.5/R	80
2325.A2LED	67	4030.B2.02/2/B	80
3316.A2/4/WW	60	4030.B2.02/2/R	80
3316.A2/5/WW	60	4036.B2.02/1.9/CW	74
3340.A2/4/WW	61	4036.B2.02/2.5/L	74
3343.A2/4/WW	65	4037.B2.02/2.5/CW	56
3354.A2/4/CW	58	4037.B2.02/2/L	56
3354.A2/5/L	58	4049.B2.02/2.5/L	99
3357.A2/4/CW	78	4049.B2.02/2/WW	99
3357.A2/5/CW	78	4055.B2.02/2.3/L	80
3367.A2/L	67	4056.B2.02/2.3/L	80
3383.A2/4/WW	54	4061.B2.02/1.5/L	103
3383.A2/5/WW	54	4061.B2.02/1.5/R	103
3385.A2/5/CW	76	4062.B2.02/1.5/L	103
3385.A2/6/CW	76	4064.B2.02/1/CW	93
3406.A2/6/CW	100	4065.B2.02/1/WW	80
3503.B2.02/2.5	74	4067.B2.02/1.4/CW	99
3503.B2.02/3	74	4206.A2/4/CW	58
3506.B2.02/2.5	74	4206.A2/5/L	58
3506.B2.02/2/L	74	4208.A2/4/R	85
3510.B2.02/2.5/L	62	4208.A2/5/R	85
3510.B2.02/2/L 3526.B2.02/2.5/L	62	4210.A2/4/B 4222.A2/4/L	72 65
3526.B2.02/2	63 63	4224.A2/4/WW	65 55
3533.B2.02/2.5	57	4229.A2/4/WW	71
3533.B2.02/2/L	57 57	4229.A2/5/L	71
3537.B2.02/2.5/G	63	4240.A2/4/CW	78
3537.B2.02/2/G	63	4240.A2/5/CW	78
3539.B2.02/2.5	63	4245.A2/4.6/L	85
3539.B2.02/2	63	4246.A2/4/CW	71
3540.B2.02/2.5/CW	57	4246 .A2/5/L	71
3540.B2.02/2/L	57	4247.A2/4/CW	73
3545.B2.02/2.5/L	74	4247.A2/5/L	73
3545.B2.02/2/CW	74	4440.BL.170	117
3546.B2.0.2/2	50	4440.BL.270	117
3573.B2.02/2.5	50	4440.RE.170	117
4000.B2/1.7	109	4440.RE.270	117
4000.B2/2.7	109	4440.WH.170	117
4001.B2/0.7	109	4440.WH.270	117
4001.B2/0.9	109	4440.WW.170	117
4001.B2/1.2	109	4440.WW.270	117

5184.A2/3/WW 88 Ball.120(colour) 114 Ball.120.FL(colour) 114 Ball.150(colour) 114 Ball.150.FL(colour) 114 Ball.30(colour) 114 Ball.30.FL(colour) 114 Ball.50(colour) 114 Ball.50.FL(colour) 114 Ball.70(colour) 114 Ball.70.FL(colour) 114 Ball.90(colour) 114 Ball.90.FL(colour) 114 LD17A.MC.1.5 105 LD17A.MC.2.3 105 LD17A.WW.1.5 105 LD17A.WW.2.3 105 LD17DS.MC.1.5 105 LD17DS.MC.2.3 105 LD17DS.WW.1.5 105 LD17DS.WW.2.3 105 LD17FF.MC.1.5 107 LD17FF.MC.2.3 107 LD17FF.WW.1.5 107 LD17FF.WW.2.3 107 LD17RI.MC.1.5 107 LD17RI.MC.2.3 107 LD17RI.WW.1.5 107 LD17RI.WW.2.3 107 LD17RR.MC.1.5 107 LD17RR.MC.2.3 107 LD17RR.WW.1.5 107 LD17RR.WW.2.3 107 LD17SS.MC.1.5 105 LD17SS.MC.2.3 105 LD17SS.WW.1.5 105 LD17SS.WW.2.3 105 LD17SW.MC.1.5 105 LD17SW.MC.2.3 105 LD17SW.WW.1.5 105 LD17SW.WW.2.3 105 LD17WB.MC.1.5 107 LD17WB.MC.2.3 107 LD17WB.WW.1.5 107 LD17WB.WW.2.3 107 RLD17A.MC.1.5 39 39 RLD17A.MC.2.3 39 RLD17DS.MC.1.5 39 RLD17DS.MC.2.3 39 RLD17RI.WW.1.5 39 RLD17RI.WW.2.3 39 RLD17RR.WW.1.5 39 RLD17RR.WW.2.3 39 RLD17SS.WW.1.5 RLD17SS.WW.2.3 39 RLD17SW.MC.1.5 39 RLD17SW.MC.2.3 39





Lighting and Illumination Technology Experience
Unit 2, Farrington Place,
Road Industrial Estate Burnley Lancashire England LIK

Rossendale Road Industrial Estate, Burnley, Lancashire. England, UK. BB11 5TY