

LED LIGHTING RANGE



INTRODUCTION

Whether you're a seasoned lighting professional or new to LEDs, you'll find all the help and support you need at Perspex Distribution Ltd.

Inside this brochure you'll be able to browse our core offering, and with a dedicated team of people to help you, you'll have everything you need for your next illuminated project.

We pride ourselves on offering you advice every step of the way, from product selection right through to installation, to ensure what you purchase matches your needs.

Why not get in touch with us and see how we can help you out:

Blackburn	01254 272 800
Chelmsford	01245 232 800
Leeds	0113 467 7800
Tamworth	01827 263 900
Weybridge	01932 356 900

Web: perspex.co.uk/leds



SHOPFITTING



POINT OF SALE



ARCHITECTURAL
LIGHTING



SIGNAGE



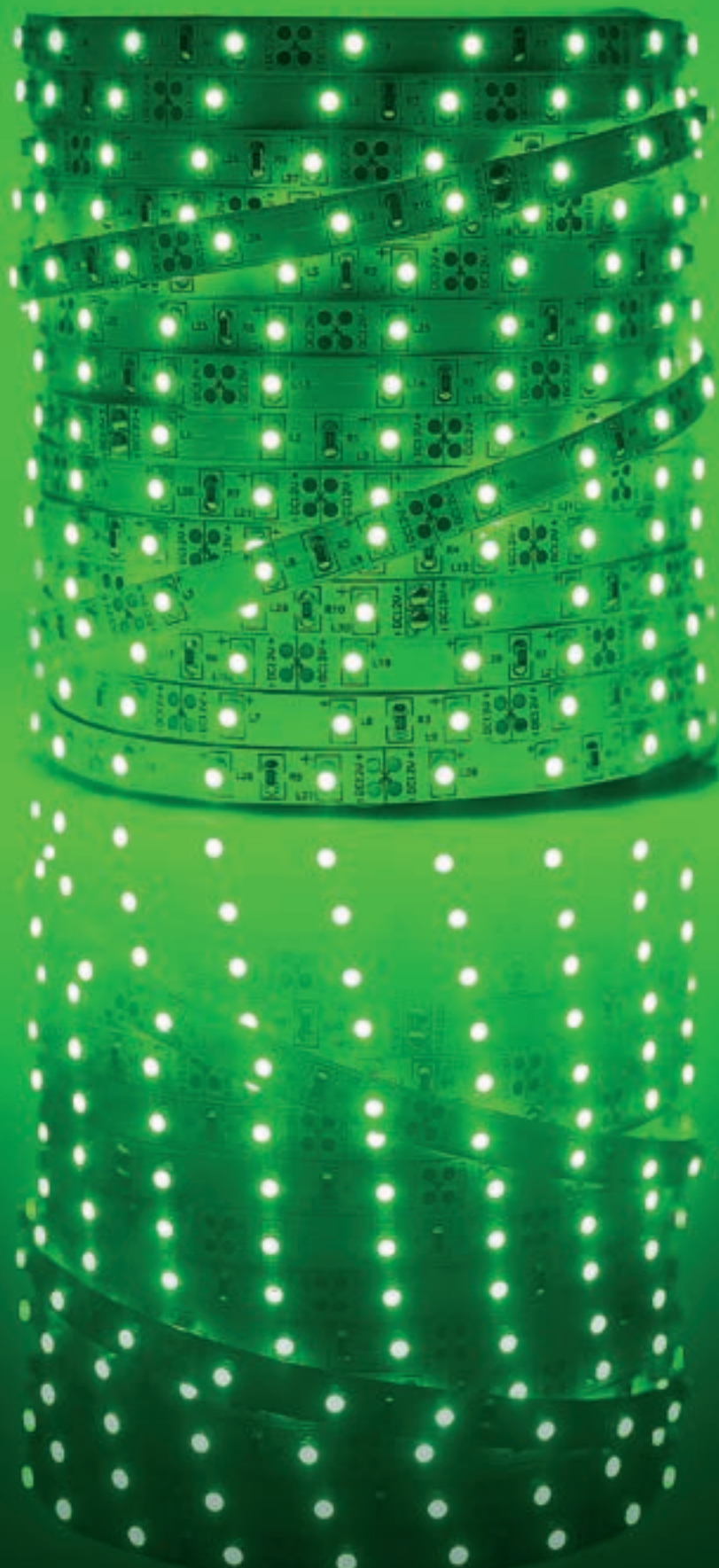
VISUAL
MERCHANDISE



FURNITURE



SETS & STAGING



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Neon¹⁰

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LED STRIP

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STANDARD BRIGHT LED STRIPS

The Standard Bright family of LED strips is a professional grade solution, manufactured from high quality components to ensure reliability. It is suitable for use in all residential and commercial installations, including exhibitions, signage and display, POS/POP and architectural lighting.

The Standard Bright family uses 3528 LED chips and comes in 12V as standard with 24V options available if required.

Standard Bright - Single Colour, 60 LED per metre, IP20



Standard Bright Cool White
6000K – 4.8W/m – 12V – IP20
Also available in 24V



Standard Bright Neutral White
4000K – 4.8W/m – 12V – IP20



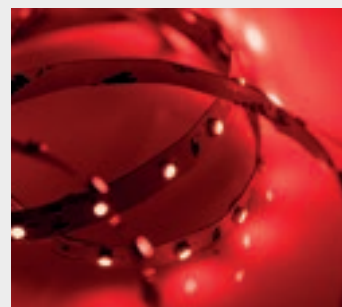
Standard Bright Warm White
3000K – 4.8W/m – 12V – IP20



Standard Bright Blue
4.8W/m – 12V – IP20



Standard Bright Green
4.8W/m – 12V – IP20



Standard Bright Red
4.8W/m – 12V – IP20

Standard Bright - Single Colour, 60 LED per metre, IP65



Standard Bright Cool White
6000K – 4.8W/m – 12V – IP65
Also available in 24V



Standard Bright Neutral White
4000K – 4.8W/m – 12V – IP65
Also available in 24V



Standard Bright Warm White
3000K – 4.8W/m – 12V – IP65
Also available in 24V



Standard Bright Blue
 4.8W/m – 12V – IP65
 Also available in 24V



Standard Bright Green
 4.8W/m – 12V – IP65
 Also available in 24V



Standard Bright Red
 4.8W/m – 12V – IP65
 Also available in 24V

Standard Bright – Single Colour, 120 LED per metre (5mm wide), IP20



Standard Bright Cool White
 6000K – 9.6W/m – 12V – IP20



Standard Bright Neutral White
 4000K – 9.6W/m – 12V – IP20



Standard Bright Warm White
 3000K – 9.6W/m – 12V – IP20



Standard Bright Blue
 9.6W/m – 12V – IP20



Standard Bright Green
 9.6W/m – 12V – IP20



Standard Bright Red
 9.6W/m – 12V – IP20

SUPER BRIGHT LED STRIPS

The Super Bright family of LED strips utilises 2835 LED chips to offer over double the light output of our Standard Bright range. Quality and reliability are included as standard with this level of brightness being perfect when you need the illumination to really stand out.

The Super Bright family comes in 12V as standard with 24V options available if required.

Super Bright - Single Colour, 60 LED per metre, IP20



Super Bright Cool White
6000K – 10W/m – 12V – IP20
Also available in 24V



Super Bright Neutral White
4000K – 10W/m – 12V – IP20
Also available in 24V



Super Bright Warm White
3000K – 10W/m – 12V – IP20
Also available in 24V



Super Bright Red
10W/m – 12V – IP20



Super Bright Blue
10W/m – 12V – IP20



Super Bright Green
10W/m – 12V – IP20



Super Bright Pink
10W/m – 12V – IP20

Super Bright - Single Colour, 60 LED per metre, IP65



Super Bright Cool White
6000K – 10W/m – 12V – IP65



Super Bright Neutral White
4000K – 10W/m – 12V – IP65



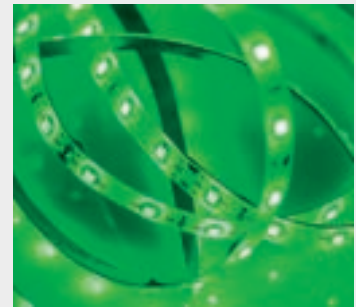
Super Bright Warm White
3000K – 10W/m – 12V – IP65



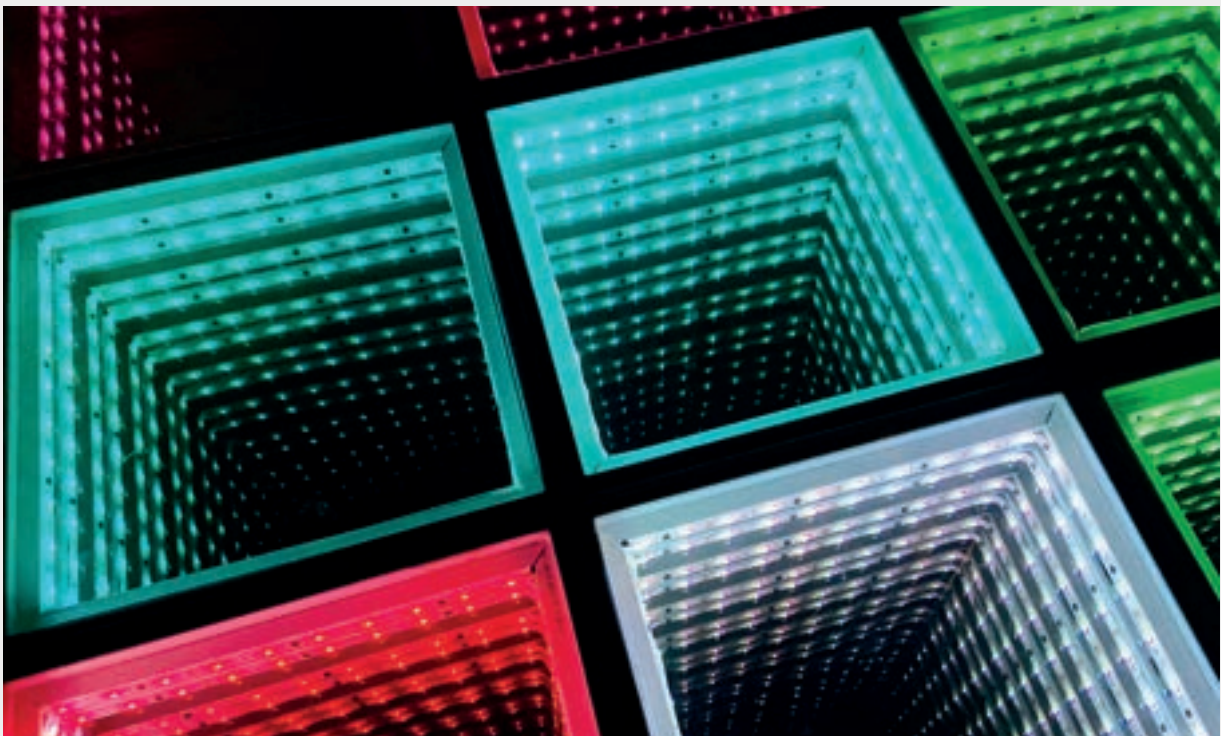
Super Bright Red
10W/m – 12V – IP65



Super Bright Blue
10W/m – 12V – IP65



Super Bright Green
10W/m – 12V – IP65



Super Bright - Single Colour, 120 LED per metre (5mm wide), IP20

Super Bright Cool White
6000K – 15W/m – 12V – IP20
Also available in 24V



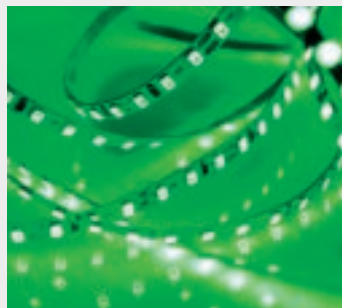
Super Bright Neutral White
4000K – 15W/m – 12V – IP20
Also available in 24V



Super Bright Warm White
3000K – 15W/m – 12V – IP20
Also available in 24V



Super Bright Blue
15W/m – 12V – IP20



Super Bright Green
15W/m – 12V – IP20



Super Bright Red
15W/m – 12V – IP20



Super Bright Pink
15W/m – 12V – IP20

S-LED BENDABLE LED STRIPS

The S-LED range of LED strips reduces the need to cut and solder as the LEDs are mounted onto a flexible PCB that can be bent left and right to allow you to follow shapes and curve around corners. This unique attribute means that S-LED is perfect for the illumination of signage and lettering, POS/POP and exhibition stands. The S-LED range comes in 12V as standard.

S-LED Bendable LED Strip – Single Colour, 60 LED per metre, IP20 / IP65



S-LED Bendable Cool White
6000K – 12W/m – 12V – IP20



S-LED Bendable Neutral White
4000K – 12W/m – 12V – IP20



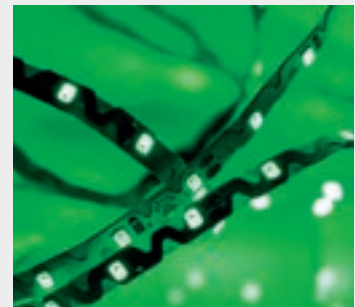
S-LED Bendable Warm White
3000K – 12W/m – 12V – IP20



S-LED Bendable Red
12W/m – 12V – IP20



S-LED Bendable Blue
12W/m – 12V – IP20



S-LED Bendable Green
12W/m – 12V – IP20

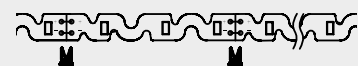


S-LED Bendable Cool White
6000K – 12W/m – 12V – IP65



S-LED Bendable Warm White
3000K – 12W/m – 12V – IP65

S-LED PCB designed to curve left and right



RGB / RGBW / RGBIC (COLOUR CHANGING AND DYNAMIC COLOUR CHANGING) LED STRIPS

When a single colour isn't enough, we offer a full range of colour changing LED options with endless possibilities. RGB offers red, green, and blue LEDs to allow you to mix over 16 million different colours. RGBW offers the same as RGB but with a dedicated white LED as well to ensure you get the best quality white illumination possible. RGBIC gives you the ability to change colours but you can take control of every LED individually, allowing for more dynamic lighting effects like chase, meteor, rainbow, etc.

Make sure you check our controllers section for all the control equipment you'll need for your colour-changing LED strip. Not sure what you need? Then please don't hesitate to get in contact with us and we'll be able to help.

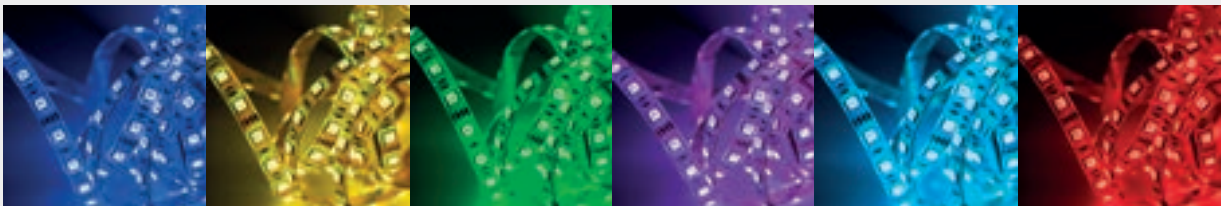
RGB LED Strip – 60 LED per metre



RGB 24V IP20

RGB – 14.4W/m – 12V – IP20

Also available in 24V



RGB 12V IP65

RGB – 14.4W/m – 12V – IP65

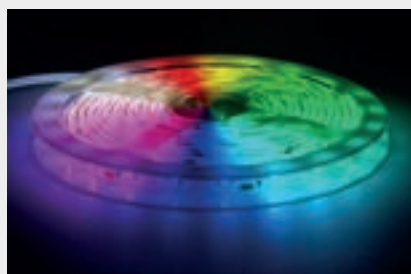
RGBW LED Strip – 60 LED per metre**RGBW 12V IP20**

RGBW – 17.2W/m – 12V – IP20

Also available in 24V

**RGBW 12V IP65**

RGBW – 17.2W/m – 12V – IP65

RGBIC LED Strip – 60 LED per metre**RGBIC 12V IP20**

RGBIC – 18W/m – 12V – IP20

SIDE FIRING LED STRIPS

Side Firing LED strips are slightly different from the norm and have the 3014 LED Chip installed onto the very edge of the strip firing the light output sideways. This allows the LED strip to be attached to upright surfaces and creates a wash of light down that surface. Side Firing LED strips are ideal for exhibitions, shopfitting and sets & staging requirements.

Side Firing LED Strip – 120 LED per metre



Side Firing Cool White

6000K – 9.6W/m – 12V – IP20



Side Firing Warm White

3000K – 9.6W/m – 12V – IP20

CONNECTORS AND CABLE

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WAGO lever connectors	Page 19
Wire / Cable	Page 19



QUIK CONNECTORS FOR LED STRIPS

Quik Connectors (QC) remove the need for soldering and offer a quick and easy method of joining wires to LED strips or joining two pieces of LED strip together. We have options available for the majority of our LED strip products including single colour, RGB and RGBW.

Quik Connectors – Single Colour LED Strip, 8mm wide



QC Single Colour Strip to Wire
2 pin – 8mm wide – IP20 Strip



QC Single Colour Strip to Strip
2 pin – 8mm wide – IP20 Strip



QC Single Colour Strip to Wire
2 pin – 8mm wide – IP65 Strip



QC Single Colour Strip to Strip
2 pin – 8mm wide – IP65 Strip

Quik Connectors – RGB LED Strip, 10mm wide



QC RGB Strip to Wire
4 pin – 10mm wide – IP20 Strip



QC RGB Strip to Strip
4 pin – 10mm wide – IP20 Strip



QC RGB Strip to Wire
4 pin – 10mm wide – IP65 Strip



QC RGB Strip to Strip
4 pin – 10mm wide – IP65 Strip

Quik Wire Joint Connectors



QWJ 2 Core Wire Splice Joint



QWJ 2 Core Wire Extension Joint

DC JACK CONNECTORS AND SPLITTERS

Our DC connectors have a simple screw terminal connection system allowing you to quickly and easily attach a DC connector to your LED strip wire. DC connectors allow you to create a plug & play installation and are perfect when using our Desktop range of LED power supplies.

DC Jack Connectors and Splitters



DC Jack Connector Male
5.5 x 2.1mm – Screw terminals



DC Jack Connector Female
5.5 x 2.1mm – Screw terminals

OTHER PRODUCTS AVAILABLE INCLUDE:

DC Jack 2-way Splitter
5.5 x 2.1mm - 1 Female to 2 Male

DC Jack 4-way Splitter
5.5 x 2.1mm – 1 Female to 4 Male



WAGO LEVER CONNECTORS

WAGO connectors offer a simple method for making wiring connections without the need for any special tools. Simply pull the lever up, insert your wire and push the lever back down for a secure connection.

WAGO Connectors



WAGO 221 Connector
2-port



WAGO 221 Connector
3-port



WAGO 221 Connector
5-port

WIRE / CABLE

Cables are available, specifically engineered for low voltage LED use. UV stable single or double layered insulation.



30m Hook-Up Cable 0.8mm²



30m Double Insulated Cable

POWER SUPPLIES

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Dimmable LED Power Supplies	Page 22
Desktop Power Supplies	Page 23



POWER SUPPLIES

A high quality power supply is just as important as a high quality LED product. We work with the best suppliers to provide power supplies that are reliable and meet your demands.

If you're not sure which power supply you need or which is best for your specific application then please get in touch and we'll be happy to help you.

LED Power Supplies



EPV-24-12
24W – 12V – IP67



EPV-40-12
40W – 12V – IP67



EPV-60-12
60W – 12V – IP67

EPV-60-24
60W – 24V – IP67



EPV-100-12
100W – 12V – IP67

EPV-100-24
100W – 24V – IP67



HLG-150H-12A
150W – 12V – IP65

HLG-150H-24A
150W – 24V – IP65



HLG-240H-12A
192W – 12V – IP65

HLG-240H-24A
240W – 24V – IP65



HLG-320H-12A
264W – 12V – IP65

HLG-320H-24A
320W – 24V – IP65

Slimline LED Power Supplies



ELED-30-12
30W – 12V – IP67



ECP60-12VFP-1
60W – 12V – IP67



ECP100-12VFP-1
100W – 12V – IP67

ECP60-24VFP-1
60W – 24V – IP67

ECP100-24VFP-1
100W – 24V – IP67



ECP150-12VFP-1
150W – 12V – IP67

ECP150-24VFP-1
150W – 24V – IP67

Dimmable LED Power Supplies



HLG-150H-12B
150W – 12V – IP67

HLG-150H-24B
150W – 24V – IP67



HLG-240H-12B
196W – 12V – IP67

HLG-240H-24B
240W – 24V – IP67



EcoDim 1-10V Dimming Switch

Desktop Power Supplies



DESKTOP GST40A12
40W – 12V



DESKTOP LH60A12
60W – 12V



DESKTOP GST90A12
80W – 12V



DESKTOP C13 to UK
13A power lead



DESKTOP C13 to EU
13A power lead

CONTROLLERS AND DIMMING SYSTEMS

RGB/RGBW/RGBIC controllers

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DMX decoders

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Dimming systems

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CONTROLLERS AND DIMMING SYSTEMS

To complement our range of colour-changing LED strip, we have a variety of control options to suit any requirement; everything from simple receivers with remote controls to DMX decoders for more involved projects. We also offer methods of dimming your single colour LED strip, giving you complete control of the final effect.

If you're not sure which controller or dimmer you need then please get in touch and we'll be happy to assist you.

RGB Controllers



M4-5A receiver + M3 remote
4 x 5A – RGB – 12V/24V



M4-5A receiver + M7 remote
4 x 5A – RGB – 12V/24V



LT-3060-5A RGB repeater
4 x 5A – RGB – 12V/24V



ECO-6A3CH receiver + remote
3 x 6A – RGB – 12V/24V

RGBW Controllers



M4-5A receiver + M8 remote
4 x 5A – RGBW – 12V/24V



M4-5A receiver + M4 remote
4 x 5A – RGBW – 12V/24V

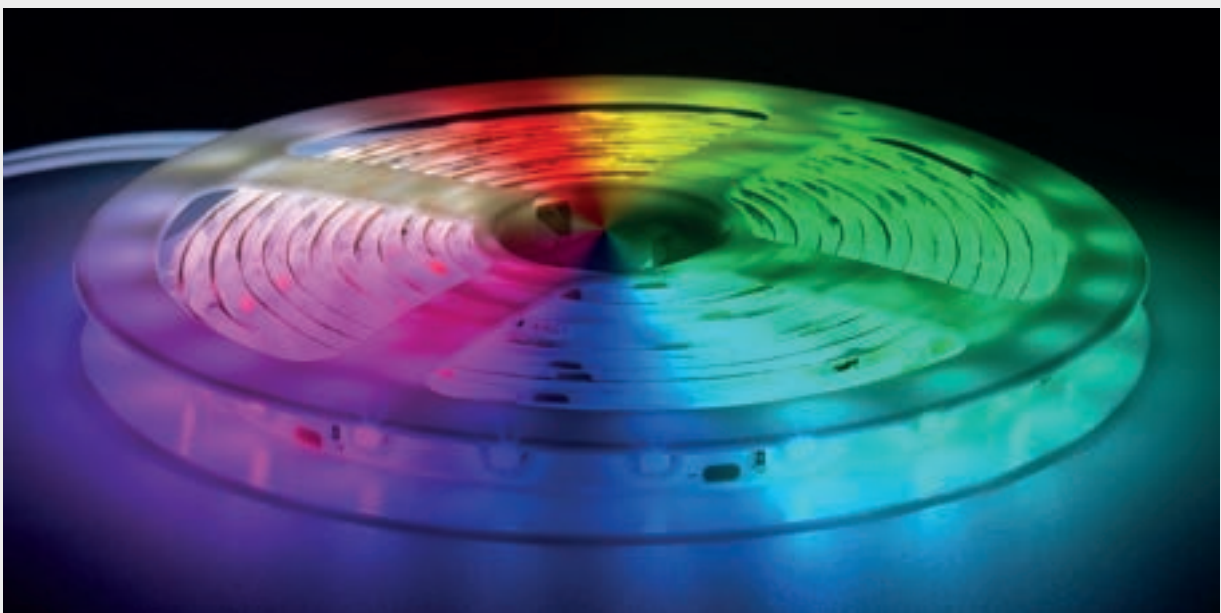


LT-3040-5A RGBW repeater
4 x 5A – RGBW – 12V/24V

RGBIC Controllers



SPI08E Dynamic Controller
TBC – RGBIC – 5V/12V/24V



DMX Decoders



LT-851-6A RGB DMX Decoder
3 x 6A – RGB – 12V/24V



LT-854-5A RGBW DMX Decoder
4 x 5A – RGBW – 12V/24V

Dimming Systems



M4-5A receiver + M1 remote
4 x 5A – Single Colour – 12V/24V



Analog 30A Dimmer
1 x 30A – Single Colour – 12V/24V



NEON¹⁰

Neon¹⁰ 1225 RT

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Neon¹⁰ 815 RT

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Neon¹⁰ 410 FT

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FLEXIBLE LED NEON

Neon¹⁰ is a flexible LED system that provides you with the styling of traditional neon in a product that is simple to cut, shape and install. The silicone housing gives you the freedom to create the perfect design, with perfectly homogeneous light output for truly outstanding results. Available with rounded top (RT) and flat top (FT) options, Neon¹⁰ comes in a variety of profile sizes to match your needs.

Neon¹⁰ 1225 RT (12mm x 25mm, rounded top)



COLOURS INCLUDE:

- Cool White
- Warm White
- Red
- Blue
- Green
- Yellow
- RGBW



Neon¹⁰ 815 RT (8mm x 15mm, rounded top)

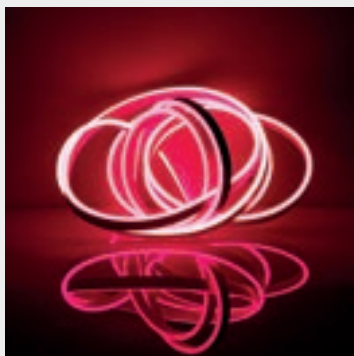


COLOURS INCLUDE:

- Cool White
- Warm White
- Red
- Blue
- Green
- Yellow
- Pink

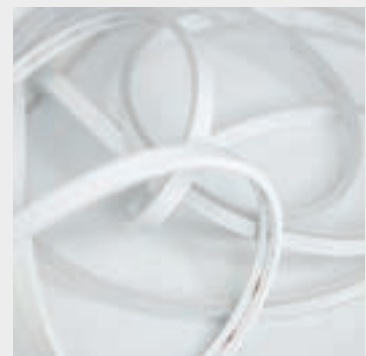


Neon¹⁰ 410 FT (4mm x 10mm, flat top)



COLOURS INCLUDE:

- Cool White
- Warm White
- Red
- Blue
- Green
- Pink



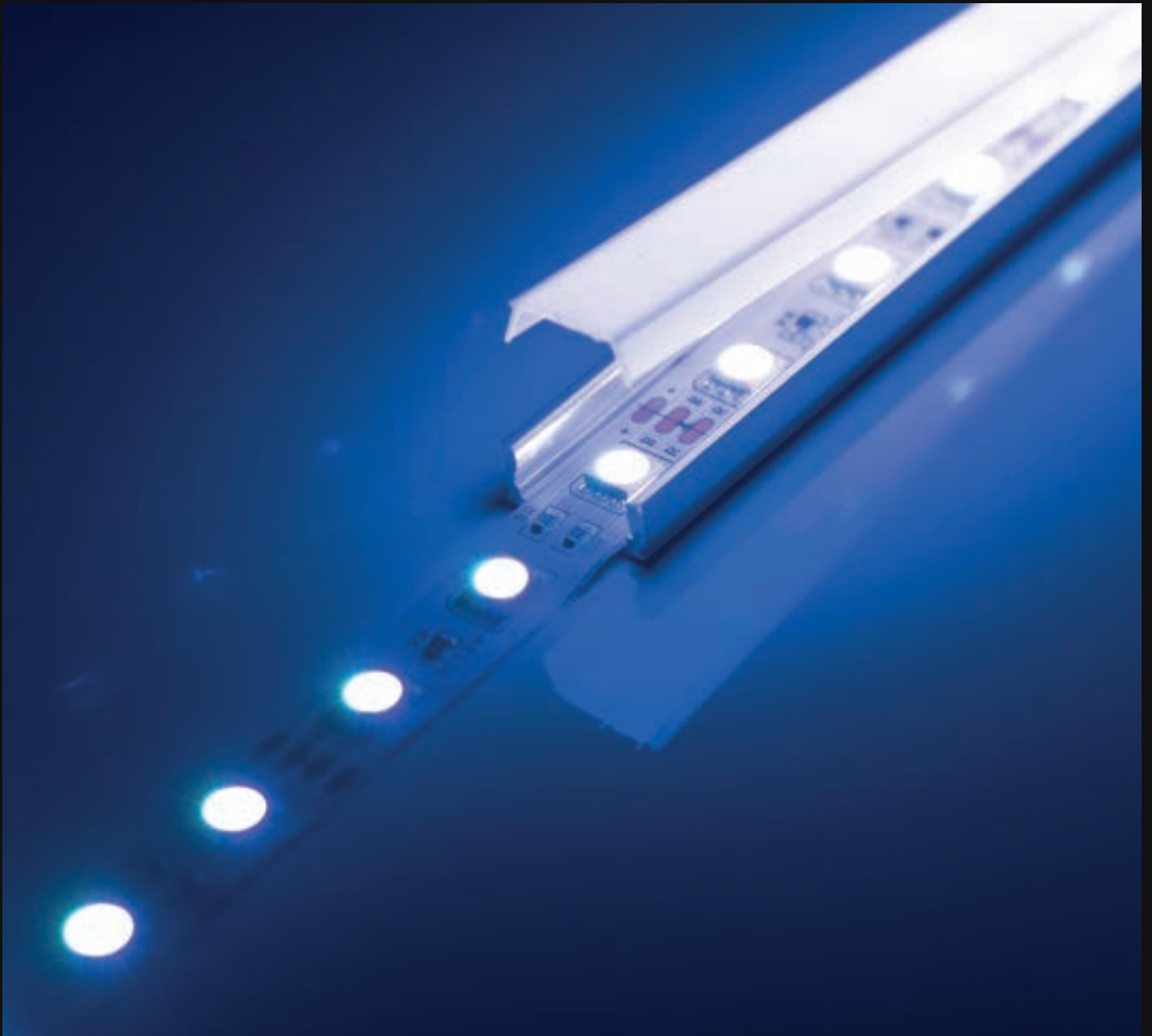
CUSTOMISED OPTIONS

Customised LED Strip

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Bespoke LED Kits

Page 31



CUSTOMISED OPTIONS

If you need something that isn't listed or want your LED strip supplied in kits then just let us know and we can provide it.

CUSTOMISED LED STRIP

Along with our core range of LED strip products, we have the ability to offer almost any LED strip product made exactly how you need it. Our strong partnerships with our suppliers allow us to deliver high-spec customised solutions to meet your specific needs.

Options include:

- Specific colours and colour temperatures (incl. colour matching)
- Specific CRI ratings
- Increased IP ratings (IP67, IP68)
- More/less LEDs per metre
- Custom length rolls
- Adjusting power consumption per metre
- Different voltage options
- Thinner/wider PCB options
- Custom branding

BESPOKE LED KITS

Whether it's a one-off prototype or you need hundreds the same, we can provide your LED strip requirements in kit form to make installation quicker and simpler. All bespoke LED kits are made at source, ensuring the highest quality possible is achieved every time.

Options include:

- Custom LED strip lengths
- Custom length wire tails on one or both ends
- Pre-attached connectors
- Aluminium profile cut to size (with LED strip installed if required)
- Customised power supplies (wire length, connectors)
- Wiring looms
- Individual packaging of each kit

Visit www.perspex.co.uk to find out more information.

Your nearest Perspex Distribution Sales Branch:

BLACKBURN

Email: sales.blackburn@perspex.co.uk
Tel: 01254 272 800

CHELMSFORD

Email: sales.chelmsford@perspex.co.uk
Tel: 01245 232 800

LEEDS

Email: sales.leeds@perspex.co.uk
Tel: 01134 677 800

TAMWORTH

Email: sales.tamworth@perspex.co.uk
Tel: 01827 263 900

WEYBRIDGE

Email: sales.veybridge@perspex.co.uk
Tel: 01932 356 900