

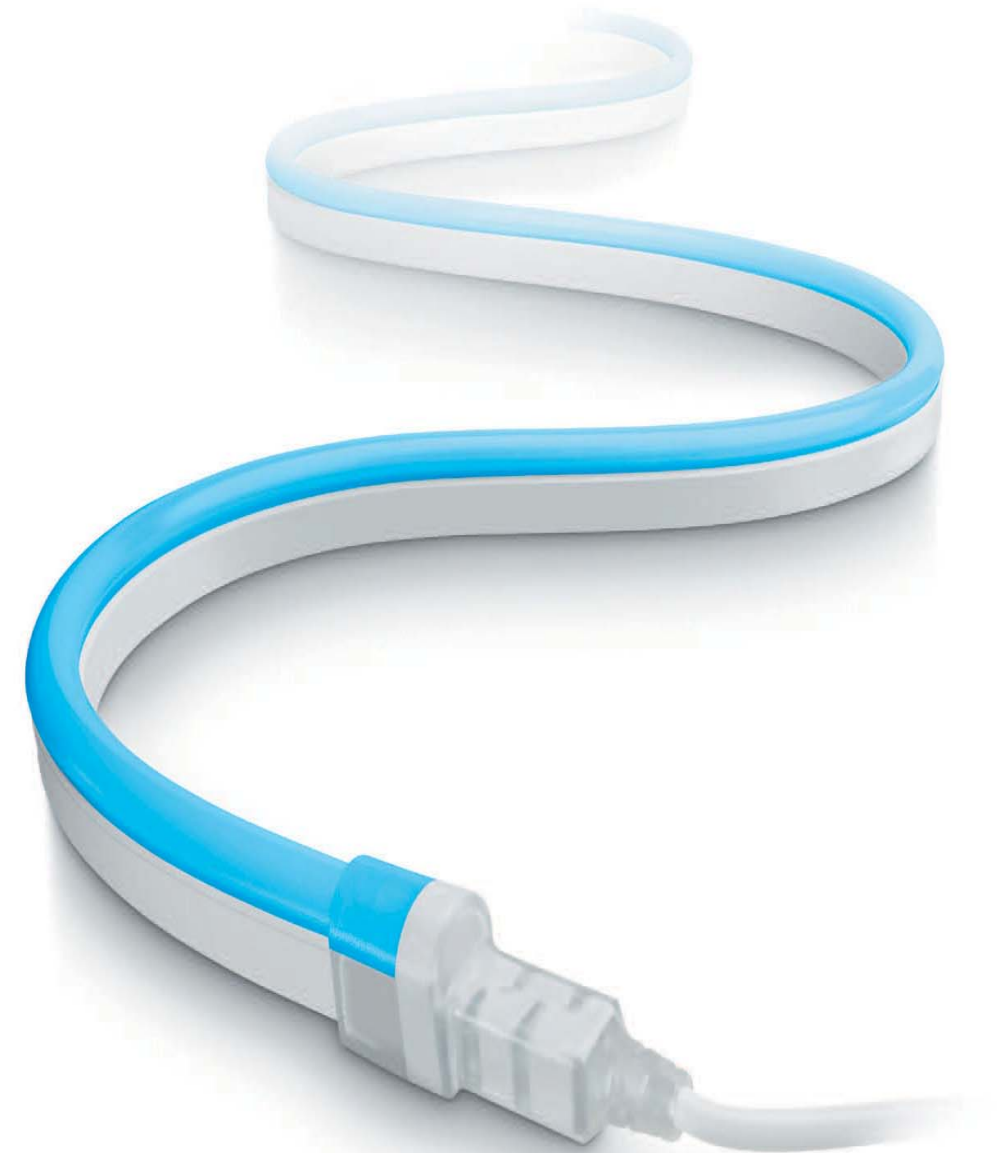
LED LINEAR & SYSTEMS  
LUMINAIRES

advanced systems



NEON LEDLINE  
TECHNICAL SPECIFICATION DATA

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# NEON LEDLINE

single colour & RGB - circuit controlled

IP67 IP65



## Product Purpose & Meaning

- The NEON LEDLINE PVC neon-like continuum is founded on its apparent visibility and its ability to be mounted seamlessly and flexibly within curved or straight line details.
- The name "NEON LEDLINE" simply describes the products visual and fabric. Uniform with close 12.5mm pitch.

## Product Summary

- A professional LED product for "neon-like" visibility.
  - IP67 (connectors to IP65).
  - Ideal for architectural lines and halo delineation.
  - 5.1W per metre – SMD signal LED's.
  - 50lms / Watt.
  - For continuous lengths up to 20 metres.
  - For use with remote Safe Extra LV [SELV] 24Vdc PSU.
  - Cut to nearest 1metre markings.
- [Note: can be cut at any point but every 1 metre series circuit will only illuminate if fully intact with return circuit].

## Applications

- Highlighting of architecture.
- Halo lighting.
- Delineation of building and visual lines.
- Especially Curved Architectural Details.
- Coving, Recesses, Ceiling Pelmet & Soffits.
- Window Reveals & Frames.
- Ground Troughs & Channels.
- Signage.

## Performance

Lamp Type	0.06W SMD LED .
LED Qty	80 per mete – pitch 12.5mm.
Lamp Source	SMD Nichia.
Lumen Output	marker light.
Lamp CRI	n/a.
LED Life	50,000hrs [IEC electronic parts default].
Optic Beams	Visual Arc around 180°.
LED Colours	White, primary colours & dynamic RGB.
Working T°C	- 30°C / +45°C.

## Electrical Data

Voltage	24Vdc
Load Watts	Mono 5.1W/metre [RGB – 16W/metre]
Load Current	-
Supply Cable	1Metre Connector – Mono : 2 core [RGB : 4 core].
Remote Gear Configuration	24Vdc PSU [SELV] CV [Constant Voltage]
Dimming	via remote Interface
Data Protocol(s)	DMX or DALI

## Description

A commercial professional grade safe SELV 24Vdc flexible "neon-like" system for use visibly internally or externally for architectural delineation visibility [or halo lighting effects]. Uniform smooth high luminosity [ equal to Neon ] with rich colour vibrance. Durable polymer core extrusion with high opalescent finish and white edge walling for added luminosity. For use in soffits, recess rebates and on and around structure. Joint connections for right angle bends or T-junctions. Flexible to 4cm curvature for tight radi bends. Powered with remote bulk Power Supply Units up to 30 metres away. Large array of colours including full dimming and full professional DMX colour change version. A smooth line product with no LED dots.

## Main Features

- Safe Low Voltage [note NEON runs on very high voltage].
- Long Continuous runs up to 20metres. [we can offer 110V alternative to 200 metre runs - contact technical or sales department for further information].
- Flexible to 4cm radi curvature.
- Uniform smooth high luminosity - equal to Neon.
- Rich colour vibrance • Easy Installation

## Construction & Finishes

- Engineered PVC White Opal polymer.
- Extruded with PCB in-layed and sealed to IP67.
- End joints to IP65.
- Channel & clipping in extruded aluminium.

## Mounting

- Mounting is via screw fixed "Saddle Clips" with nylon pulls or a "U-profile" clipping channel.
- Core Connectors : 2-core mono with Live & [+VE] Neutral [-VE] power feeds. RGB with 4 core where RGB acts as the -VE negative neutral terminal. [Dimming & load through an interface with PWM [pulse width modulation].

## Connection Diagram 6.1 & 6.2

- Connection is for CV - Constant Voltage for use with remote 24Vdc PSU & dimming & RGB Interfaces. See Connection Diagrams page 124.

## Standard Colours

- Warm White
- Cool White
- Blue
- Red
- Green
- Orange
- Yellow
- Pink
- Violet
- RGB Colour Change



# LED DEDICATION CONSTANT VOLTAGE



## Product Order Codes



Neon Ledline - supplied per whole metre . No optics so open LED wide to approx. 270° symmetric beam. Colours below, with 2 versions white and powerful RGB DMX option. SELV 24Vdc option.

NEO.3.24	Warm White	3000K	5.1W	Per Metre Length
NEO.6.24	Cool White	6500K	5.1W	Per Metre Length
NEO.B.24	Blue	460nm	5.0W	Per Metre Length
NEO.R.24	Red	620nm	5.0W	Per Metre Length
NEO.G.24	Green	530nm	4.8W	Per Metre Length
NEO.O.24	Orange	600nm	5.8W	Per Metre Length
NEO.Y.24	Yellow	580nm	4.0W	Per Metre Length
NEO.P.24	Pink	500nm	11.0W	Per Metre Length
NEO.V.24	Violet	720nm	11.0W	Per Metre Length
NEO.RGB.24	RGB	DMX 512	16W	Per Metre Length

## Accessories



## Link Plug Cable Connectors

This is the main lead connector on to the system, supplied with special 'start' plug c/w end cap.

NEO.PC.M	Mono	Connector 20x33mm	1 metre length	2-core c/w Endcap
NEO.PC.RGB	RGB	Connector 20x33mm	1 metre length	4-core c/w Endcap

## Connectors - Right Angle - T-Joint - Standard

Connectors with integrated circuitry for feeding around corners and joints.

NEO.SO.M	Mono	Connector for 90°	Side On	2-core
NEO.CO.RGB	RGB	Connector for 90°	Side On	4-core
NEO.IF.M	Mono	Connector for 90°	Inward Face On	2-core
NEO.IF.RGB	RGB	Connector for 90°	Inward Face On	4-core
NEO.OF.M	Mono	Connector for 90°	Outward Face On	2-core
NEO.OF.RGB	RGB	Connector for 90°	Outward Face On	4-core
NEO.TJ.M	Mono	Connector for T	T-Joint - Side On	2-core
NEO.TJ.RGB	RGB	Connector for T	T-Joint - Side on	4-core
NEO.MJ.M	Mono	Connector for 2pcs	Mid-Joint	2-core
NEO.MJ.RGB	RGB	Connector for 2pcs	Mid-Joint	4-core

## Mounting Clip Channel

50mm and 1.0metre aluminium channel lengths for fixing luminaire [ push fit clipping system ].

NEO.M.C5	Mono	Clipping Channels	50mm pcs	Non-continuous
NEO.RGB.C5	RGB	Clipping Channels	50mm pcs	Non-continuous
NEO.M.C100	Mono	1metre Channel	1000mm length	Continuous
NEO.RGB.C100	RGB	1metre Channel	1000mm length	Continuous

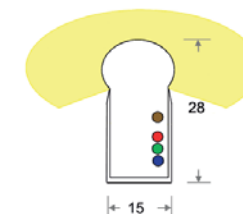
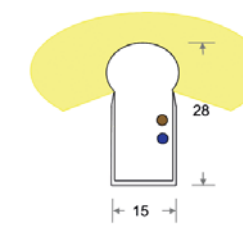
## Power Supplies & Control

## Mounting, Design & Layout Guide

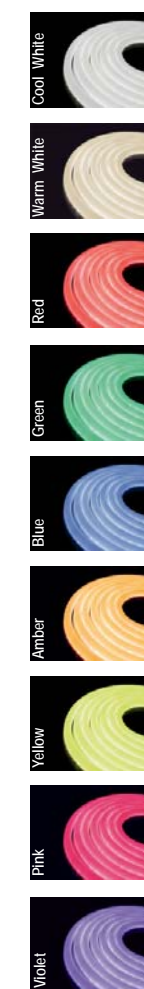
See Connection & Mounting Guide for STRIPLED FLEXI - Page 124.

# NEON LEDLINE

single colour & RGB - circuit controlled



Single Colours Available



# LED LINEAR SYSTEMS

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retail & leisure

# LED LINEAR SYSTEMS

retail & leisure

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## NEON TYPE

MONO - 5W Page 133



NEON LEDLINE - mono

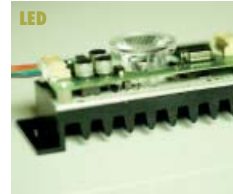
RGB - 5W-11W Page 133



NEONLEDLINE - RGB

## LINKS & CHAINS

POWERLED Page 119



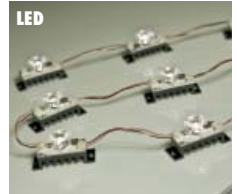
ARCHILED LINKS - Chaser

RGB - 5.3W Page 113



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MONO - 3W Page 107



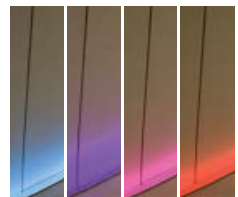
ARCHILED LINKS - mono

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GROUND RECESSES

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ATRIA & STAIRWELLS

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FOOTBRIDGES

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FASCIAS

## TUBULAR

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SCORRENTE

Page 103 LED - 20W/m



AMBIENTALE

## FLEXIBLE CONTINUOUS

Page 123 3.5W MONO



STRIPIED FLEXI - mono

Page 123 6W - RGB



STRIPIED FLEXI - RGB

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SIDELED mono & RGB

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GLASS SHELVING

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BAR

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LANDSCAPE

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CEILING ALCOVES

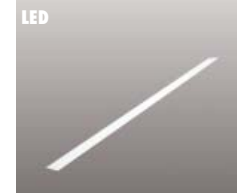
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RGB COLOUR CHANGE

## IN-GROUND MARKER

Page 139 3.5W MONO



XACOTO

Page 141 6W - RGB



AIRPORT FLOORING