

# welight

powered by

# TRIDONIC

HIGH QUALITY

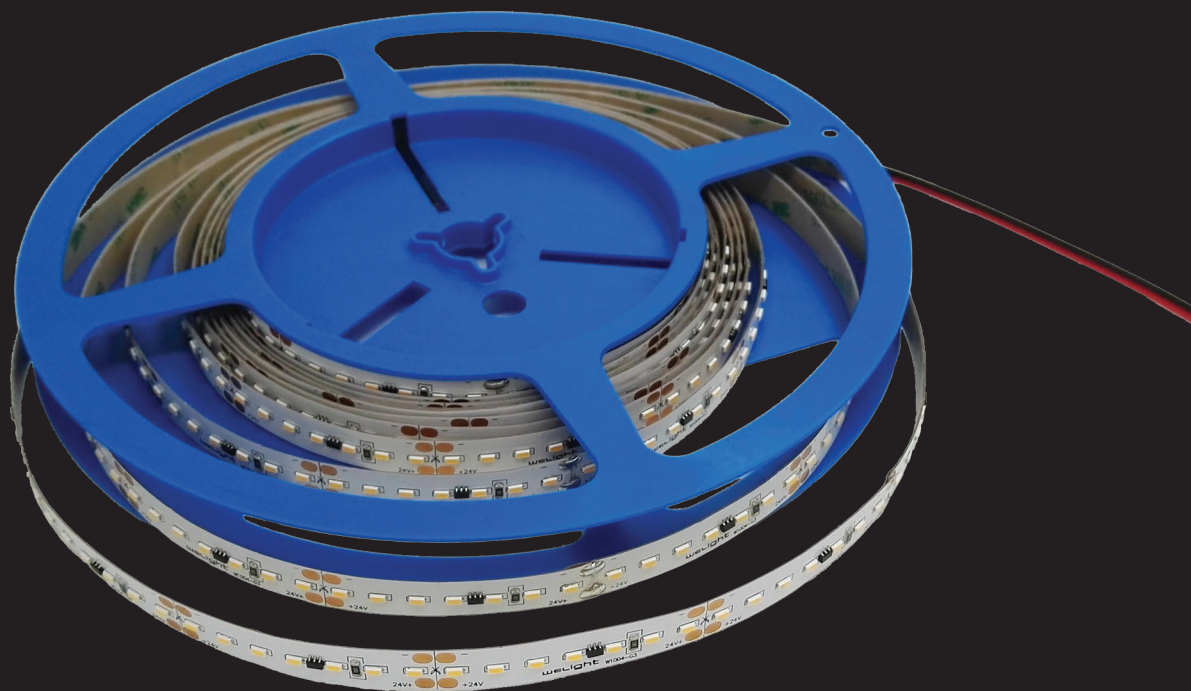
PROFESSIONAL

5 YEAR WARRANTY

CUSTOMISED

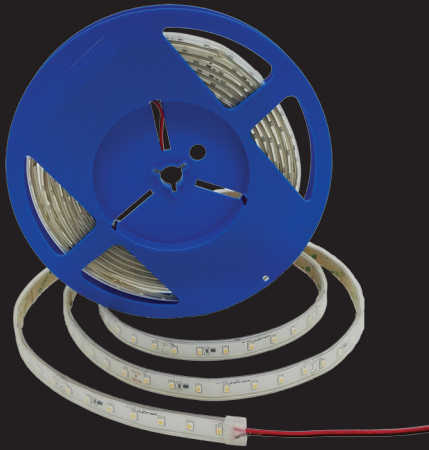
DALI / WIRELESS

DESIGNED IN EU



**LEDTAPE AND 24V DRIVER WITH CONTROLS FROM WLK**

**WLK**



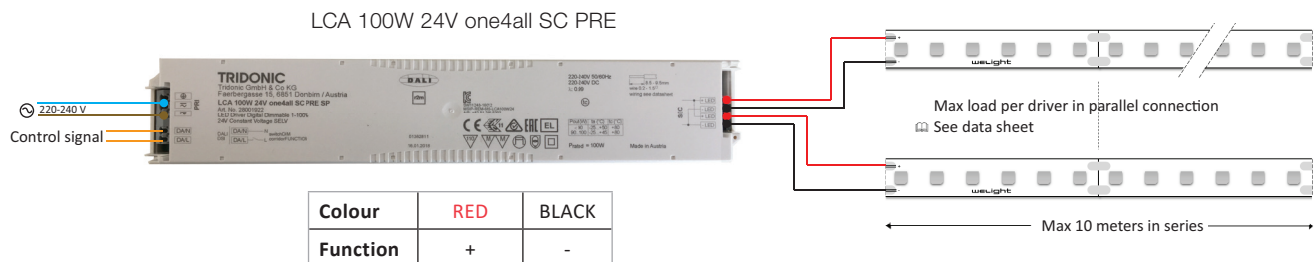
## White fixed colour temperature

With flexible LEDtape from Welight you can create professional lighting applications with high quality. Available in the most common white colour temperatures 2400, 2700, 3000, 4000, 6000 and 6500 K with 5 year warranty\*. Supplied in lengths of 5 meters or pre-assembled in a profile system which can be customised. Can be connected up to 10 metres in series and cut as required.

- Colour rendering CRI>90. Colour consistency MacAdam SDCM 3
- Constant Current Driven IC for professional lighting applications
- Reflective white double-layered PCB for optimal system efficiency
- 144 LEDs per meter for homogenous lighting (HDE, HDO)
- IP65 versions for outdoor applications
- Optimized for high resolution dimming 1 to 100% with Tridonic LED driver from the LCA portfolio.

## Wiring

Each reel of LED-tape is delivered with color coded connection cable L=350, 2x0,5 mm<sup>2</sup>. Do not connect more than 10 meters of the LED-tape in series and make sure that the voltage is ≥24V at the beginning of the LEDtape. When connecting several sections in parallel and for more mounting instructions, see the data sheet.



## DALI Rotary Dimmer with in-built power supply 100 mA from Welight



DALI Rotary Dimmer DT6 Rio

## Wireless control from Tridonic with basicDIM

basicDIM wireless LED driver



App - 4remote BT



User interface

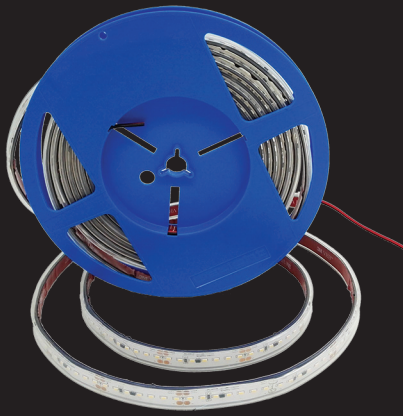
Description (only a selection)	Article number	Luminous flux / Function	Colour temp/Interface	IP rating
LEDtape 927 2000LM 22W 24V 5M	W1006-927-G3	2000 lm/m	2700 K	IP00
LEDtape 930 1400LM 15W 24V 5M	W1003-930-G3	1400 lm/m HDO	3000 K	IP00
LEDtape 920 700LM 10W 24V 5M	W1002-920-G3 (or IP)	700 lm/m	2000 K	IP00/IP65
LEDtape 965 700LM 7.5W 24V 5M	W1004-965-G3 (or IP)	700 lm/m HDE	6500 K	IP00/IP65
LEDtape 940 400LM 5W 24V 5M	W1001-940-G3 (or IP)	400 lm/m	4000 K	IP00/IP65
LCA 100W 24V one4all SC PRE	28001922	24 V dimmable LED driver DALI	one4all/r2m	IP20
LC 100/24V bDW SC PRE2	28002675	24 V dimmable LED driver bDW	bDW/r2m	IP20
basicDIM Wireless User Interface	28002213	Control basicDIM Wireless units	Bluetooth	IP20
DALI Rotary Dimmer 230VAC DT6	W7400-DT6	DT6 dimmer	DALI	IP20

\* 5 year warranty applies in combination with LED driver from Tridonic or Welight. Using other driver, 3 year warranty apply.

For more options and more information, see the specific data sheet.

For alternative control via DALI see Tridonic comfortDIM and sceneCOM on [www.wlk.eu](http://www.wlk.eu).

## Tunable White

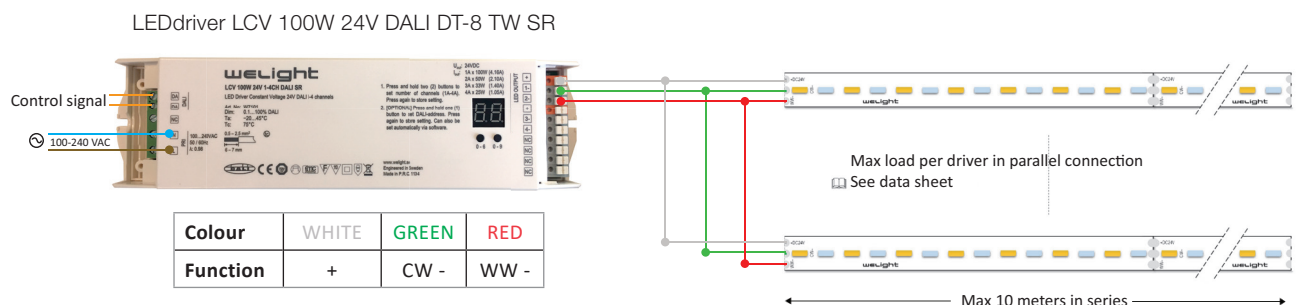


With flexible TW LED-tape from Welight you can simulate everything from a warm sunrise to a cool moon reflection and achieve a professional lighting applications with tunable white, 2400-6500 K. Supplied in lengths of 5 meters or pre-assembled in a profile system which can be customised. Can be connected up to 10 metres in series and cut as required, with 5 year warranty\*.

- Colour rendering CRI>90. Colour consistency MacAdam SDCM 3
- Constant Current Driven IC for professional lighting applications
- Reflective white double-layered PCB for optimal system efficiency
- 70 + 70 LEDs per meter for homogenous lighting
- IP65 versions for outdoor applications
- Optimized for high resolution dimming 0,1 till 100% with Welight LED driver from W71-series.

## Wiring

Each reel of LED-tape is delivered with color coded connection cable L=350, 3x0,5 mm<sup>2</sup>. Do not connect more than 10 meters of the LED-tape in series and make sure that the voltage is ≥24V at the beginning of the LEDtape. When connecting several sections in parallel and for more mounting instructions, see the data sheet.



## DALI Rotary Dimmer with in-built power supply 100 mA from Welight



DALI Rotary Dimmer DT8 Rio

## Wireless control from Tridonic with basicDIM

basicDIM wireless module



App - 4remote BT



User interface

Description	Article number	Luminous flux / Function	Colour temp. / Interface	IP rating
LEDtape 924-965 1000LM 10W 24V 5M	W1004-924-965	1000 lm/m HDE	2400-6500 K	IP00
LEDtape 924-965 1000LM 10W 24V 5M	W1004-924-965-IP	1000 lm/m HDE	2400-6500 K	IP65
LCV 100W 24V DALI DT-8 TW SR	W7101-TW	24 V dimmable LED driver TW	DALI DT8	IP20
basicDIM Wireless Module	28002212	Gateway Bluetooth to DALI interface	DALI/1-10 V	IP20
basicDIM Wireless User Interface	28002213	Control basicDIM Wireless units	Bluetooth	IP20
DALI Rotary Dimmer 240VAC DT8-TW	W7400-DT8	DT8 dimmer	DALI	IP20

\* 5 year warranty applies in combination with LED driver from Tridonic or Welight. Using other driver, 3 year warranty apply.

For more options and more information , see the specific data sheet.

For alternative control via DALI see Tridonic comfortDIM and sceneCOM on [www.wlk.eu](http://www.wlk.eu).



## RGB

With flexible LEDtape from Welight you can create professional lighting applications with high quality. Available in RGB with optimized individual color calibration to generate white light.

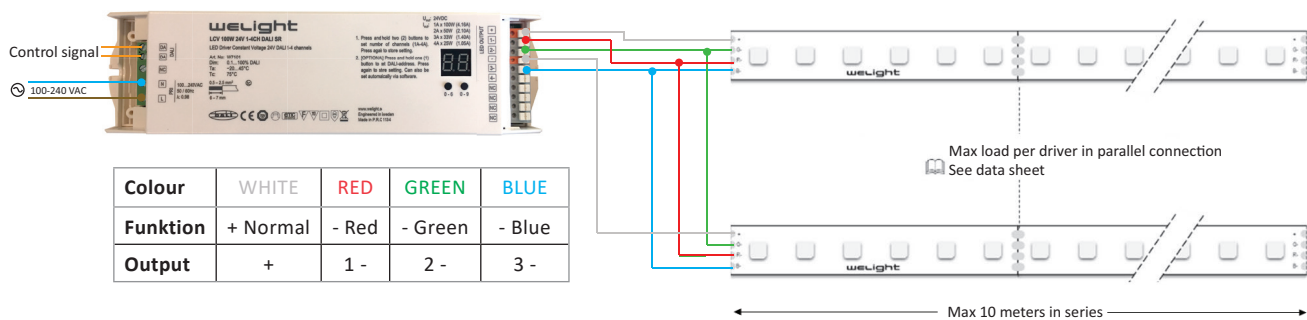
Supplied in lengths of 5 meters or pre-assembled in a profile system which can be customised. Can be connected up to 10 metres in series and cut as required, with 5 year warranty\*.

- High quality colour mixing – no rainbow effects
- Individual color calibration to generate white light from RGB LEDs
- Reflective white double-layered PCB for optimal system efficiency
- 144 LEDs per meter for homogenous lighting
- IP65 versions for outdoor applications
- Optimized for high resolution dimming 0,1 till 100% with Welight LED driver from W71-series.

## Wiring

Each reel of LED-tape is delivered with color coded connection cable L=300, 4x0,5 mm<sup>2</sup>. Do not connect more than 10 meters of the LED-tape in series and make sure that the voltage is  $\geq 24V$  at the beginning of the LEDtape. When connecting several sections in parallel and for more mounting instructions, see the data sheet.

LEDdriver LCV 100W 24V 1-4CH DALI SR



## Wireless control from Tridonic with basicDIM



basicDIM wireless



User interface

## TRIDONIC



App - 4remote BT

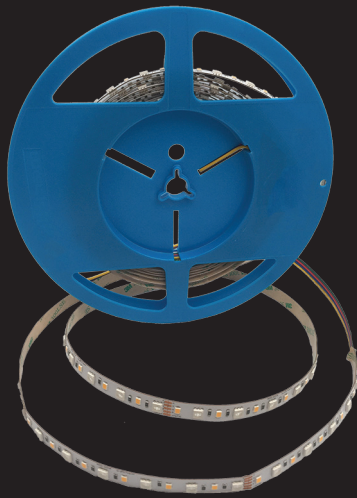
Description	Article number	Luminous flux / Function	Colour temperature / Interface	IP rating
LEDtape RGB 1000LM 18W 24V 5M	W1005-RGB	1000 lm/m	RGB	IP00
LEDtape RGB 1000LM 18W 24V 5M	W1005-RGB-IP	1000 lm/m	RGB	IP65
LCV 100W 24V 1-4CH DALI SR	W7101	24 V dimmable LED driver 1-4 ch	DALI DT6	IP20
basicDIM Wireless Module	28002212	Gateway Bluetooth to DALI interface	DALI/1-10 V	IP20
basicDIM Wireless User Interface	28002213	Control basicDIM Wireless units	Bluetooth	IP20

\* 5 year warranty applies in combination with LED driver from Tridonic or Welight. Using other driver, 3 year warranty apply.

For more options and more information, see the specific data sheet.

For alternative control via DALI see Tridonic comfortDIM and sceneCOM on [www.wlk.eu](http://www.wlk.eu).





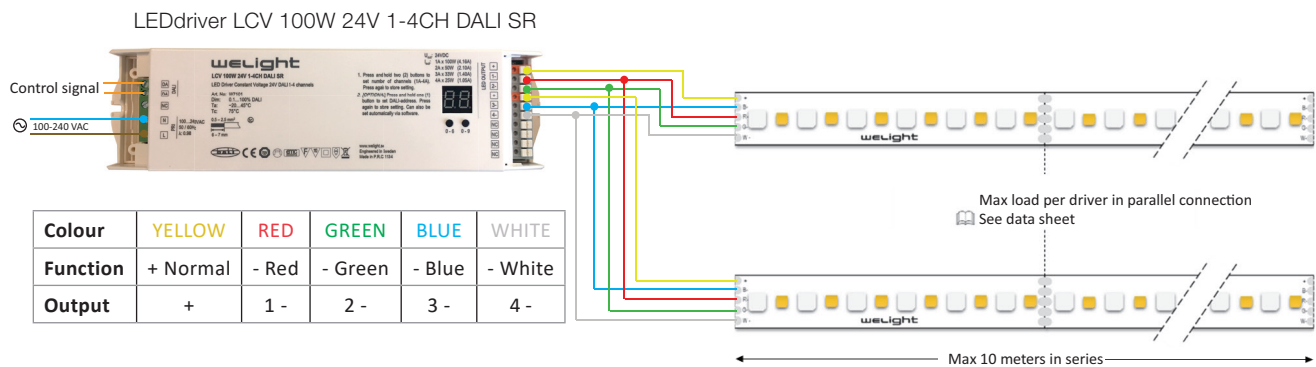
## RGBW

With flexible LEDtape from Welight you can create professional lighting applications with high quality. RGBW with optimized individual color calibration to generate white light has a colour rendering up to CRI>90. Supplied in lengths of 5 meters or pre-assembled in a profile system which can be customised. Can be connected up to 10 metres in series and cut as required, with 5 year warranty\*.

- High quality colour mixing – no rainbow effects
- Narrow colour tolerance MacAdam SDCM 3
- Individual color calibration to generate white light from RGB LEDs
- Reflective white double-layered PCB for optimal system efficiency
- IP65 versions for outdoor applications
- Optimized for high resolution dimming 0,1 till 100% with Welight LED driver from W71-series.

## Wiring

Each reel of LED-tape is delivered with color coded connection cable L=350, 5x0,5 mm<sup>2</sup>. Do not connect more than 10 meters of the LED-tape in series and make sure that the voltage is ≥24V at the beginning of the LEDtape. When connecting several sections in parallel and for more mounting instructions, see the data sheet.



## Wireless control from Tridonic with basicDIM

## TRIDONIC



basicDIM wireless



User interface



App - 4remote BT

Description	Article number	Luminous flux / Function	Colour temp. / Interface	IP rating
LEDtape RGBW 927 1200LM 20W 24V 5M	W1005-RGBW	1200 lm/m	RGB+W	IP00
LEDtape RGBW 927 1200LM 20W 24V 5M	W1005-RGBW-IP	1200 lm/m	RGB+W	IP65
LCV 100W 24V 1-4CH DALI SR	W7101	24 V dimmable LED driver 1-4 ch	DALI DT6	IP20
basicDIM Wireless Module	28002212	Gateway Bluetooth to DALI interface	DALI/1-10 V	IP20
basicDIM Wireless User Interface	28002213	Control basicDIM Wireless units	Bluetooth	IP20

\* 5 year warranty applies in combination with LED driver from Tridonic or Welight. Using other driver, 3 year warranty apply.  
For more options and more information , see the specific data sheet.  
For alternative control via DALI see Tridonic comfortDIM and sceneCOM on [www.wlk.eu](http://www.wlk.eu).

## Drivers from Tridonic

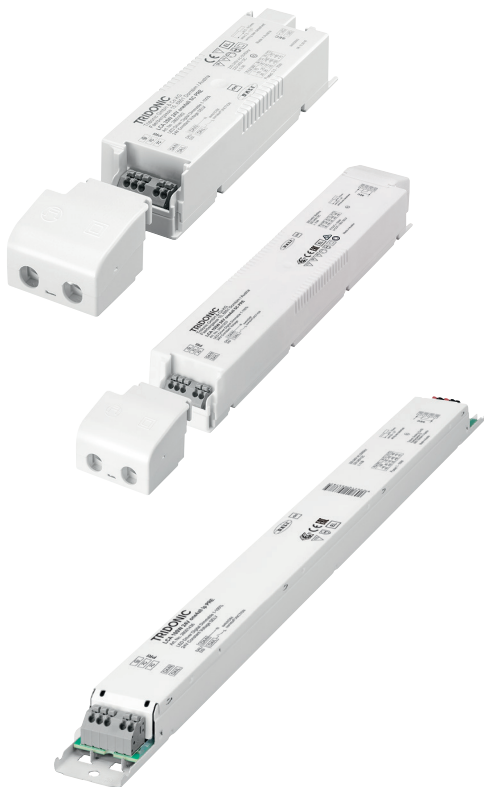
Dimmable constant voltage 24 VDC LED drivers for flexible LEDtape from Welight. Simple digital lighting control with one4all- ready2mains- or via integrated basicDIM Wireless interface. Available with optional strain-relief or as luminaire in-built version.

- Built-in dim function between 1 to 100%
- Compact design for slim installations
- Terminals and strain-relief are included
- Lifetime 50 000 h and 5 year warranty

### Driver versions for lighting control interfaces

- one4all - switchDIM, DSI, DALI, corridorFUNCTION or via ready2mains
- basicDIM Wireless - wireless control via Bluetooth or via ready2mains

### one4all interface



LED LCA 35W 24V one4all SC PRE

Article nr: 28001920

LED LCA 60W 24V one4all SC PRE

Article nr: 28001921

LED LCA 100W 24V one4all SC PRE

Article nr: 28001922

LED LCA 150W 24V one4all SC PRE

Article nr: 28001923

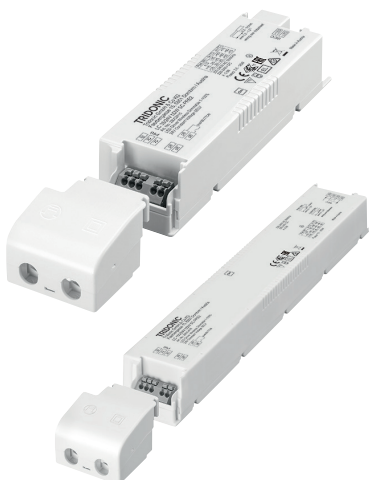
- one4all- and ready2mains interface
- Max. output power 35/60/100/150W (24 VDC)
- Optional strain-relief
- Protection class IP20

LED LCA 100W 24V one4all Ip PRE

Article number: 28001436

- one4all- och ready2mains interface
- Max. output power 100W (24 VDC)
- For installation in luminaire
- Protection class IP20

### basicDIM Wireless interface



LED LC 35W 24V bDW SC PRE2

Article nr: 28002677

LED LC 60W 24V bDW SC PRE2

Article nr: 28002674

LED LC 100W 24V bDW SC PRE2

Article nr: 28002675

LED LC 150W 24V bDW SC PRE2

Article nr: 28002678

- basicDIM Wireless and ready2mains interface
- Max. output power 35/60/100/150W (24 VDC)
- Optional strain-relief
- Protection class IP20

Tridonic also have non-dimmable LED drivers 24 VDC in different wattages.

## Drivers from Welight

Dimmable digital LED drivers with strain-relief for constant voltage 24 VDC. Perfect for use together with flexible LEDtape from Welight. With the 1-4 adressable channels you can control all from White light, Tunable White, RGB or RGBW. Unsymmetrical load is allowed with, for example, 100 W on one channel or up to 100 W distributed on four channels. The drivers are available in different versions with interface such as DALI 4xDT6, DMX, KNX, DALI DT8 TW, DALI DT8 XY or DALI DT8 RGBW.

- Optimal for 24V LEDtape Tunable White, RGB or RGBW
- High resolution dimming range 0,1 to 100%.
- Terminals and strain-relief are included
- Lifetime 50 000 h and 5 year warranty

### LEDdriver LCV 100W 24V 1-4CH DALI SR Article nr: W7101



1-4 adressable DALI Device Type 6 channels  
DALI-address can easily be set with integrated display, so no programming needed  
Max. output power 100W (24 VDC)  
In-built strain-relief on primary- and secondary side  
Protection class IP20

#### Other DALI versions:

LEDdriver LCV 100W 24V DALI DT8 TW SR  
Tunable White applications, DALI Device Type 8

Article nr: W7101-TW

LEDdriver LCV 100W 24V DALI DT8 XY SR  
RGB+White applications, DALI-2 Device Type 8 with XY control

Article nr: W7101-DT8-XY

LEDdriver LCV 100W 24V DALI DT8 RGBW SR  
RGB+White applications, DALI Device Type 8

Article nr: W7101-RGBW

### LEDdriver LCV 100W 24V 1-4CH KNX SR Article nr: W7102



KNX certified according to requirements of KNX specifications v2.1  
4 independent output channels  
Integrated programming buttons  
Max. output power 100W (24 VDC)  
In-built strain-relief on primary- and secondary side  
Protection class IP20

### LEDdriver LCV 100W 24V 1-4CH DMX SR Article nr: W7103



In-built DMX512 interface with support for RDM bidirectional communication  
1-4 adressable DMX channels, 4 DMX512 addresses  
Control of single colour, dual colour, RGB / RGBW LED lighting  
Max. output power 100W (24 VDC)  
In-built strain-relief on primary- and secondary side  
Protection class IP20

Tridonic and Welight is distributed by WLK – Wennerström Ljuskontroll AB

WLK are a tech sales company specialised in lighting components, systems solutions for control and monitoring. With advanced LED solutions and digital components from Europe's leading manufacturers, we create environmentally friendly and energy-efficient lighting solutions for single rooms to entire properties. We are general agent for Tridonic in the Nordics and Baltics and our main customer segment is manufacturers of luminaires, electrical wholesalers, electrical contractors and property owners.

Welight is a pure product development company that develops and produces LED modules under the name LEDtape and associated components for professional lighting. LEDtape is a new high quality flexible linear light sources for white light and RGB that can be used in many applications. Supplied in lengths of 5 meters or pre-assembled in a profile system which can be customised.

Tridonic develop and manufacture lighting solutions for professional lighting such as LED modules, drivers and ballasts for fluorescent light sources, emergency lighting devices and digital lighting control.

Our goal is to deliver the best products, with a focus on high quality.

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