MIRON

GB Flexi Waterproof LED Tape

(UL94V-0 FLAMMABILITY
STANDARD TESTED
WITH CERTIFICATES)

MIRON designed GB Flexi Waterproof LED Tape with tested and certified "UL94V-0". The whole structure is reliable and safe operation in high temperature applications.

This is beyond the normal waterproof LED tape as the material is an upgraded advance flame retardant material. The new material mixed are eminently suitable for the protection of LED tape exposed to tough environments. It also provides the LED tape a very flexi and uniform lighting effect.
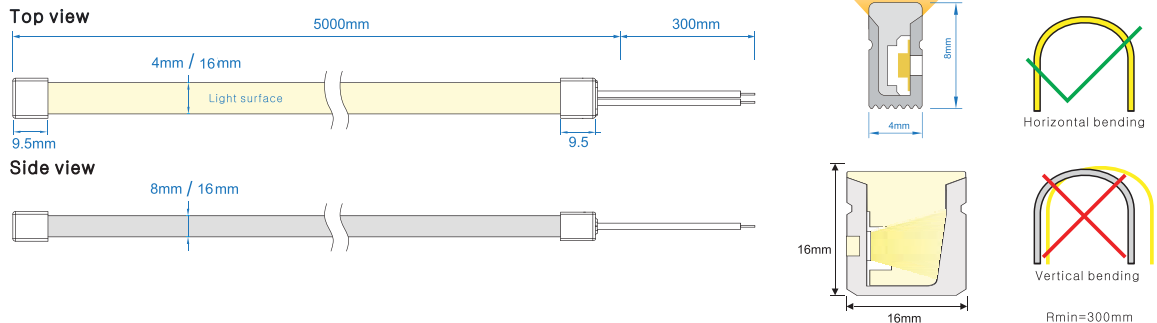
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GB Flexi Waterproof LED Tape

(UL94V-0 FLAMMABILITY STANDARD TESTED WITH CERTIFICATES)
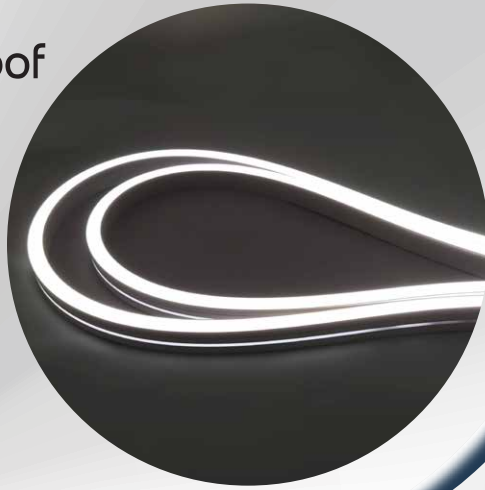
DC24V. Cross section size 4mm x 8mm/16mm x 16mm, 3 side emitting, which is horizontal bending with radius of 300mm.

- Thanks for the coating, it is UL94V-0,IP65 protected, UV resistant, solvents resistant and saltwater temporary immersion.
- 2-step MacAdam bin and dot free lighting effect guarantee the most excellent performance for indoor and outdoor applications.

Dimension (Ex works length) 5meters per piece

Top view
5000mm
300mm
4mm / 16mm
Light surface
9.5mm
9.5

Side view
8mm / 16mm

8mm
4mm
Horizontal bending

16mm
16mm
Vertical bending
Rmin=300mm

Order Code

Specifications								
Product Name	MIRON GB Flexi Waterproof LED Tape							
Model*	MIS1004180-S2835 W27-W24-IP65	MIS1004180-S2835 W30-W24-IP65	MIS1004180-S2835 W40-W24-IP65	MIS1004180-S2835 W65-W24-IP65	MIS1616180-S2835 W27-W24-IP65	MIS1616180-S2835 W30-W24-IP65	MIS1616180-S2835 W40-W24-IP65	MIS1616180-S2835 W65-W24-IP65
Color	Warm White	Bright White	Natural White	Daylight	Warm White	Bright White	Natural White	Daylight
Color Temperature (CCT)	2700K	3000K	4000K	6500K	2700K	3000K	4000K	6500K
Color Rendering Index (CRI)	80Ra							
Input Voltage	24V DC							
Total Power (per meter)	4W / 8W				8W / 12W			
Lumen Output (per meter)	400lm / 800lm				800lm / 1200lm			
Lumen Efficacy	100lm/W							
Radiation Angle	110°							
Min. Bending Radius	300mm							
Max. Connection Length	5m							
Life Span	50,000 hours							
Flammability	Material tested, UL94V-0							
Application	Indoor / Outdoor							
IP Rating	IP65 / IP68*							
Dimmable	Yes*							
RoHS	Yes							
Mechanical								
Dimensions	4mm (W) x 8mm (H)				16mm (W) x 16mm (H)			
Number of LEDs	168 LEDs / meter				180 LEDs / meter			
LED Pitch	6mm				5.5mm			
Material								
Housing	Silicone, UV / IR Protected, RoHS Compliance							
Housing Color	White							

* Please check with MIRON Engineering team.

Accessories
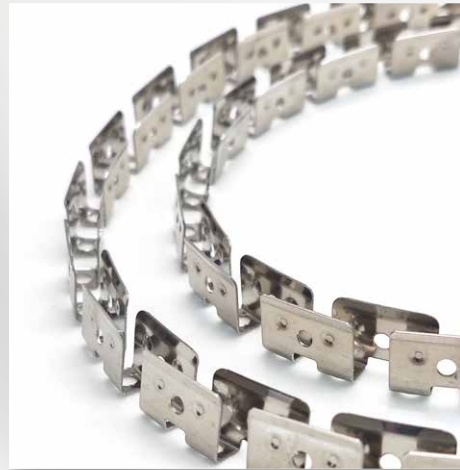
Cap with hole for cable outlet
For Type (16mm x 16mm)

End Cap
For Type (4mm x 8mm)
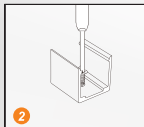
Cap with hole for cable outlet
For Type (4mm x 8mm)

End Cap
For Type (16mm x 16mm)

Mounting Clip
(30mm x 20mm x 17mm)

Mounting Channel
(Length: 1m, 2m, 3m)

Stainless Steel Flexi-mounting
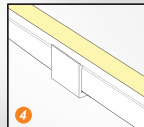(Standard length: 1m)

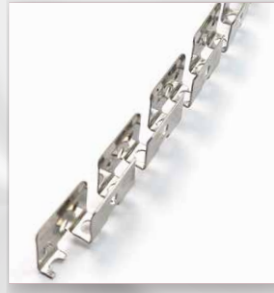**1** Prepare the screws and mounting clips

2 Adjust the fixed clips to the appropriate place and fix it with a screw driver
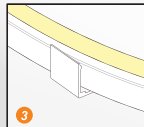
3 Put the light emitting surface upwards, then insert the LED strip into the fixed clips.

4 Fix LED tape completely into the fixed clip.

Mounting Clip
(30mm x 6mm x 8mm)

Mounting Channel
(Length: 1m, 2m, 3m)

Stainless Steel Flexi-mounting
(Standard length: 1m)

Applications

- IP65 protection with UL94V-0 encapsulation material
- Grand hotel, apartment, lobby hall.
- Fits for shopping mall, flagship store, restaurant.
- Mass Transit Railway requirements, shops, ideal for cabin lighting

Additional Info.

Please light it up for a quick check before installation.

Bending diameter of GB Flexi waterproof LED tape is 300mm, do not bend too sharp or twist. If bend it wrongly, PCB inside will be damaged and the lighting fixture will not turn on.

Bending Diameter
300 mm

Bend too sharp

During installation, please make sure there are at least two workers to cooperate together and strictly follow the instruction manuals.

Do not twist

≥15cm

LED Waterproof Constant Voltage Driver
UWP150-1M24V
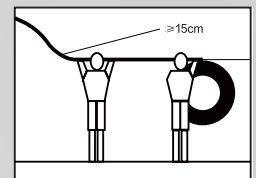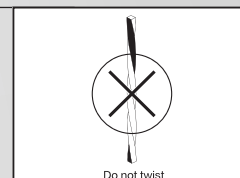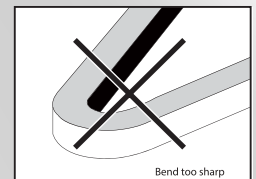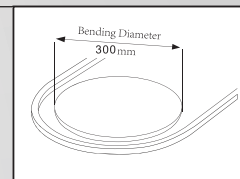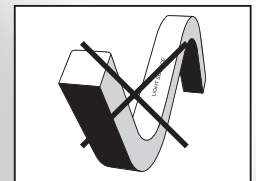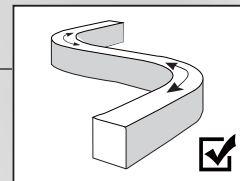
CCC CE IP67 RoHS SELV

Product Features

- Input wire：Brown, Blue, Kelly 3G1.5, low smoke and zero halogen wire, RZ1-K(AS).
- Output wire：Brown, Blue 2*1.5, low smoke and zero halogen wire, RZ1-K(AS).
- Wide input voltage with active PFC,full loading output
- Ultra-thin design,save install space
- Adapt to the harsh working environment
- Isolated design, safe and reliable
- Protections: overload, over temperature short circuit, lightning protection etc.
- Conformed with CE/CCC/SELV certification.
- The typical efficiency up to 89%
- Protect level IP67
- Warranty 3 Years*

Technical Parameters

Model		UWP150-1M24V
Input	Efficiency	89%@230VAC, Full load
	Voltage	100VAC-240VAC
	Frequency	47~63Hz
	Power Factor	>0.95
	THD	<10%@230VAC, full load
	Current	1.8Amax@100VAC
	Inrush Current	Cold start <50A @230VAC(full load)
Output	Current/Voltage/Power	6.25A/24VDC/150W
	Ripple Current	<120mVp-p
	Channel	1
	Voltage Tolerance	±2%
Protection	Short Circuit	Auto recovery when failure is removed
	Over Voltage	<36VDC Shut down the output, After restart recovers automatically
	Over Current	<8.1A auto recovery when failure is removed
Safety & EMC	Surge	L-N:2kV,L,N-FG:4kV
	Withstand Voltage	I/P-O/P:3000VAC/5mA I/P-FG:1500VAC/5mA O/P-FG:500VAC/5mA
	Safety Standards	IEC/EN61347-1,IEC/EN61347-2-13,GB19510.1,GB19510.14
	EMC Eission	EN55015,EN61000-3-2 Class C,IEC61000-3-3
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11 EN61547,GB17625.1
Others	Working Temp.	-25°C~+50°C
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH
	Tc	90°C
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:85°C
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing Size	Net weight: 820g±5%/PCS; 20PCS/Carton; 17kg±5%/Carton; Carton Size: 325*315*195mm(L*W*H)
	Dimension	290*61*25mm(L*W*H)

Dimension(mm)
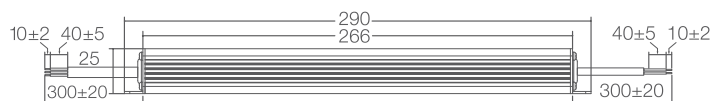
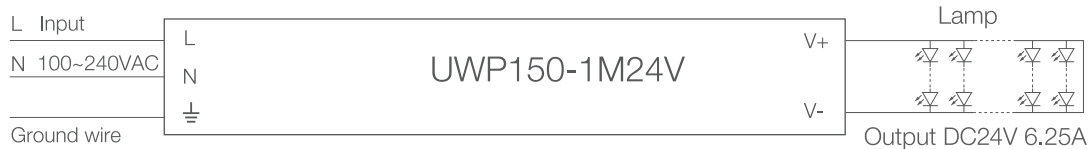3 Cores 1.5mm²   2 Cores 1.5mm²

Input wire：Brown, Blue, Kelly 3G1.5, low smoke and zero halogen wire, RZ1-K(AS).
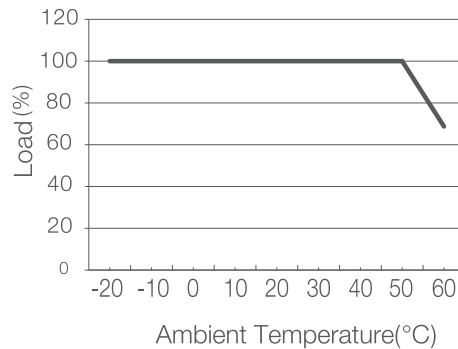Output wire：Brown, Blue 2*1.5, low smoke and zero halogen wire, RZ1-K(AS).

LED Waterproof Constant Voltage Driver
## UWP150-1M24V

Wiring Diagram

L Input

N 100~240VAC

Ground wire

L		V+
N	UWP150-1M24V	
⏚		V-

Lamp

Output DC24V 6.25A

Derating Curve

Load (%): 120, 100, 80, 60, 40, 20, 0

Ambient Temperature(°C): -20 -10 0 10 20 30 40 50 60

Cautions

1. This product should cut off the input voltage and installed by a professional.

2. Make sure that the output voltage and current of the power supply must meet the specifications of the lamp before installation.

3. It is waterproof IP67, do not soak in water for a long time when using.

4. The driver should be installed in a well space and environment.

5. The sectional area of the conductor wire which connect to the driver and lamp should be enough (Recommended less than 4A/mm²).

6. Make sure all connections are correct and secure before powering up.

7. If break down during use, it must be repaired by a professional or contact the supplier.

Normally flammable building elements

20CM

20CM

LED Driver

20CM
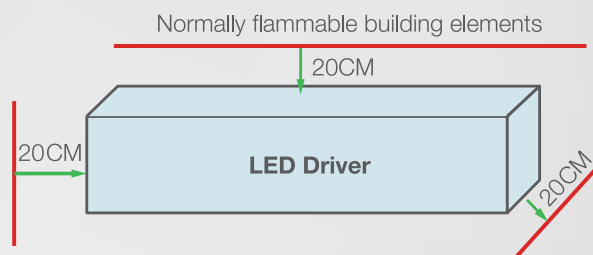
The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.

The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.

Tested with Certificates as in July 2021

MIRON GB Flexi Waterproof LED Tape

EN 60598-1	✔
EN 62471	✔
EN 62031	✔
UL94V-0	✔
IP65	✔

For MTRC Project, recommend to use:

MIRON LED Driver UWP150-1M24V

EN 60598-1	✔
EN 61347-1	✔
EN 61347-2-13	✔
EN 62493	✔
IEC 62384	✔
EN 55015	✔
EN 61547	✔
EN 61000-3-2	✔
EN 61000-3-3	✔
EN 61000-4-2,3,4,5,6,8,11	✔
LSOH Cables	✔

Warranty

All LED light are warranted to be free from defects in product itself for 3 years* from the date of purchase.

This warranty does not cover failures due to abuse, misuse, improper handling, act of nature, negligence, normal wear, accidental damage, modifications or repairs made by the purchaser or incorrect voltage conditions.

* **If there is any question, please contact our MIRON Engineering team.**

Subject to change without notice. Errors and omission excepted.
Always make sure to use the most recent release.

Hong Kong/Macau Sole Agent:

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