# RHEA

LED LINEAR

# RHEA LED Linear IP65-68

the NEW
Collection

come with innovative products!

ENJOY NOW

# RHEA
## LED LINEAR

## WHY PU STRIP?

1). It is crystal-clear transparent and fancy looking.

2). It is no smell.

3). It is UV resistant and will not become yellowish.

4). It is very flexible and good toughness; besides, it is soft to bend, also can recover fast after bending.
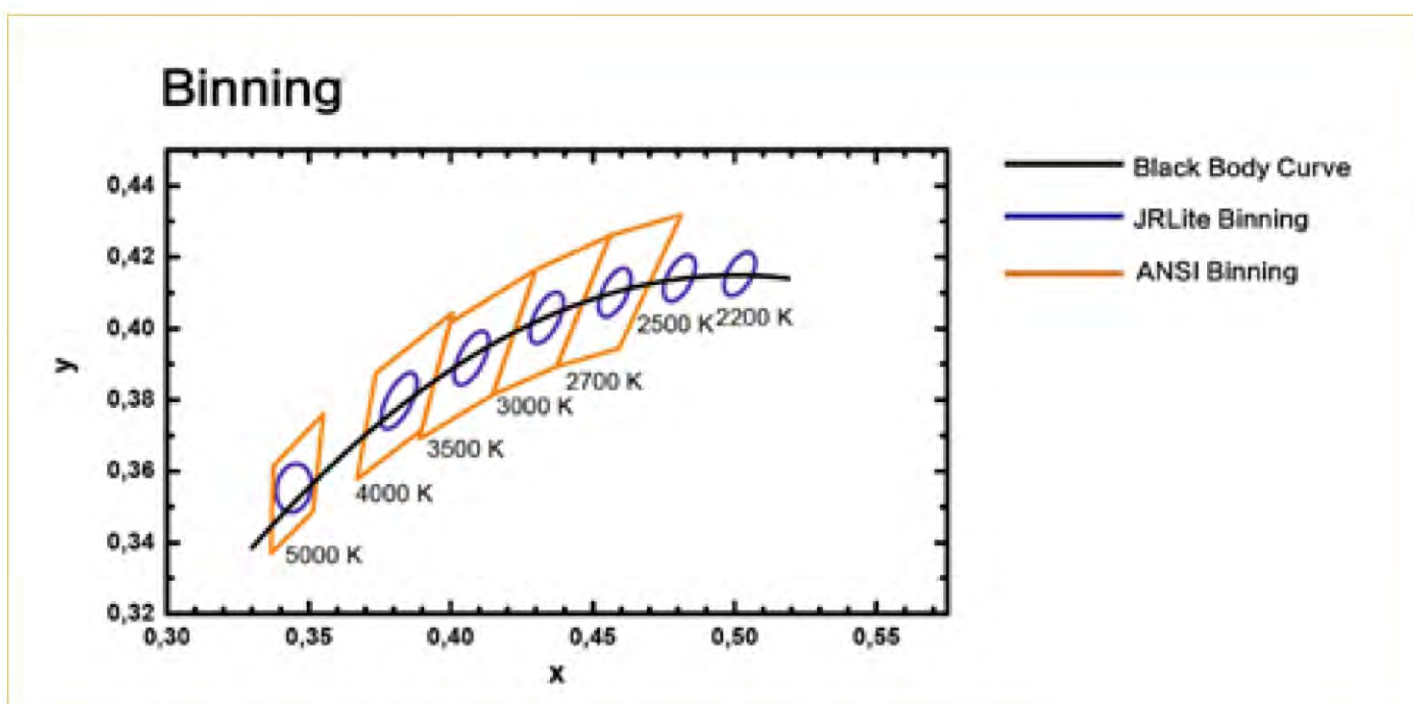
5). For the working environment, it can work well from -25℃ to 45℃ .

6). It is non sticky, easy-clean on the surface, and no chemical reaction with detergent.



UV
PROTECTED

RESISTANT
TO SOLVENTS

SALTWATER
RESISTANT

# COLOR CONSISTENCY

EST Lights utilizes the highest quality LEDs. Maintaining a 3-Step MacAdam ellipse one bin only, we create perfect LED color consistency from different batches and from today to tomorrow.
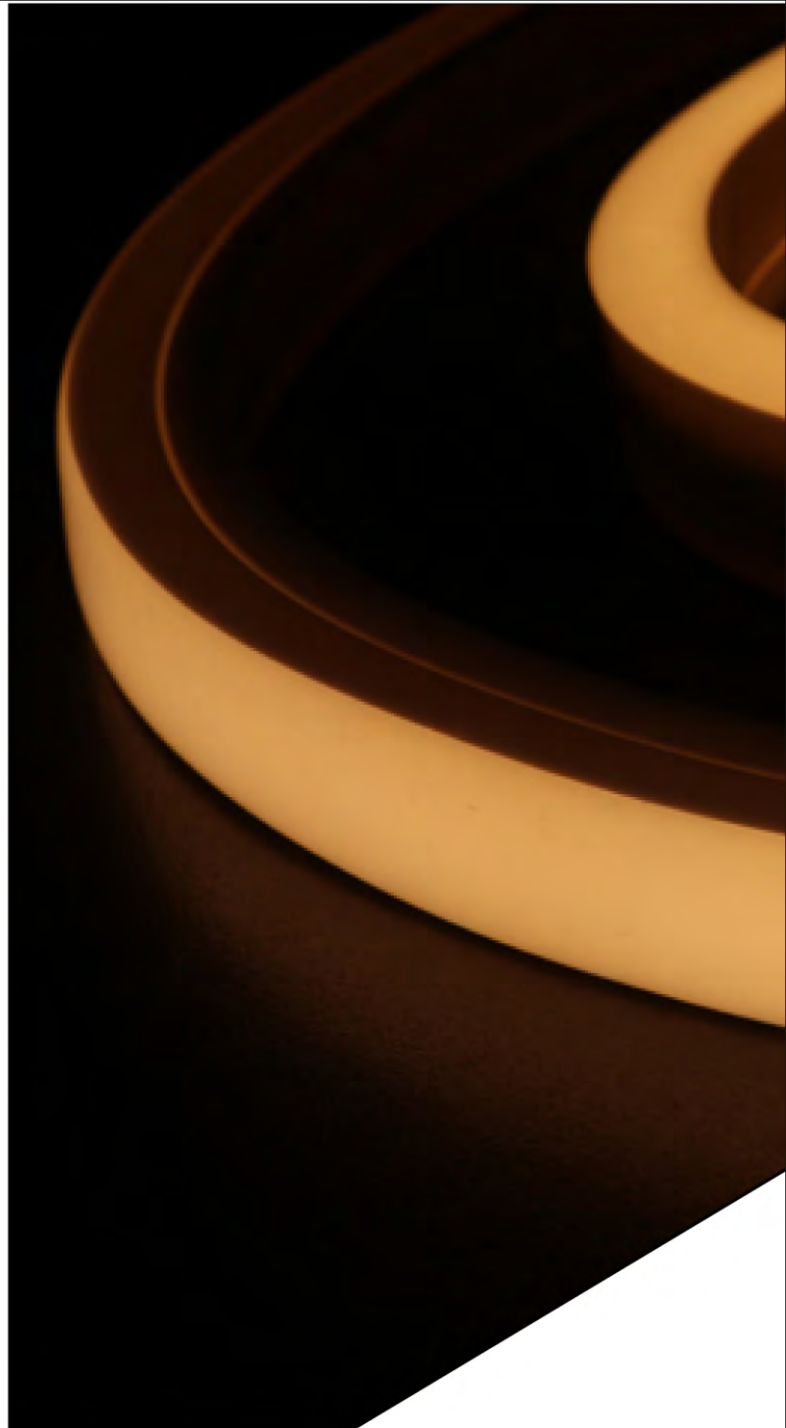
## Binning



We would like our LEDs to always produce good colors—for every part, under any conditions, and forever!

ONE BIN ONLY
Color consistency
Today and tomorrow

+9197 4112 5580

# RHEA
LED LINEAR

Dedication to the LED strip makes
us professional

+



BEY[...]
THE CL[...]

**Ledline Flex Top,** DC24V, with IP68 polyurethane coating, has a cross section of 16mm*15mm (W*H) and vertical bending direction. It is cuttable with small unit of 50mm and bending radius is 150mm. 3-Step MacAdam and dot free will bring the most excellent performance for high-end projects.

*Revol[...]*

# RHEA
## LED LINEAR

**OND**

**ASSICAL**



**IP 68**

**Ledline Flex Side,** DC24V, with IP68 polyurethane coating, has a cross section of 12mm*20mm (W*H) and horizontal bending direction. It is cuttable with small unit of 50mm and bending radius is 150mm.  3-Step MacAdam and dot free will bring the most excellent performance for nice shape projects.

*lution*

# RHEA
## LED LINEAR

Have you ever used the traditional neon strip? Do you have any bad experiences about it? You may be scared of the dots, different colors in the same batch, obvious dark zone when connecting, limited color to choose from, unreliable waterproof rating and so on. If so, maybe it is time to try our Ledline Flex series, you will find something totally different.

What you desire is what we have.
Offer you the best customization service. (Cable, Connector, Length, LED chips, etc)

We select Lumileds as light source. Best chips ensure stable quality and supply with long product life circle. What's more, the light effect is much extraordinary than others.

One bin only could achieve great color consistency for your today and future projects. Color consistency means we could always offer you the same CCT range from different reel to reel, order to order.

Single Color ranging from 2700K to 6500K and Multi-color is available. You will find what you like here.

No other strip can combine dot-free with high brightness like our Ledline Flex. Homogeneous light attributes to our strong development capability and manufacturing.

The most challenging part is to achieve continuous light in joint. Until now, the flawless light is unsurpassed.

You will not find any spot no matter in how close distance when you check it. It is a gift for who is seeking for perfection.

## IP68 protection

Reliable performance even if submerged

Suitable for outdoor decoration or underwater project

## TUV Certificates

Approved by CE, RoHS, REACH, UV, flame test, glow wire test 650℃ and IP68 Report from TUV.
Our faith is to provide the most reliable products to you.

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## LED LINEAR

Thanks to the customized circuit board, our Ledline Flex has the best combination between the reliability and flexibility. With 150mm bending radius only, it can recover fast after the bending. In a word, it is extremely versatile and allows you to explore organic shapes and advanced pattern.



With full polyurethane coating, the Ledline Flex is totally beyond your imagination.

Fascinating appearance and no disgusting smell make your decoration more comfortable.

Dust free and easy clean on the surface could satisfy your desire for both beauty and function.

UV, saltwater, solvents resistant and no yellowish would accomplish versatile installations. For Ledline Flex, there are no application limits.

Unlike strips made of silicon, PVC or epoxy, which are easily broken and harden in extreme conditions. For our PU strips, -25℃ to 45℃ is never a problem, we promise to you!

## LEDLINE

### Always at your back

Selecting the best chips and quality control system

We are able to guarantee up to 5 years.

### Facade lighting

A perfect partnership!
Use Ledline Flex Top to achieve straight line light, meanwhile, Ledline Flex Side help you accomplish more shapes design light. Straight and curved lines on flat surfaces with our products make splendor possible.
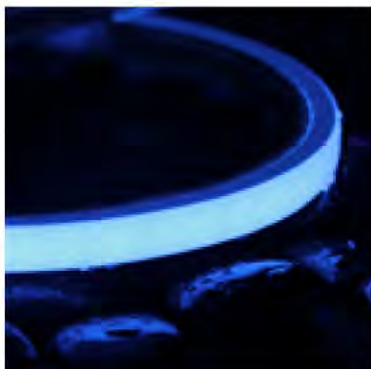
### Contour lighting

Modern architecture can not only be functionally illuminated with a custom light solution but can also be displayed in an attractive way.
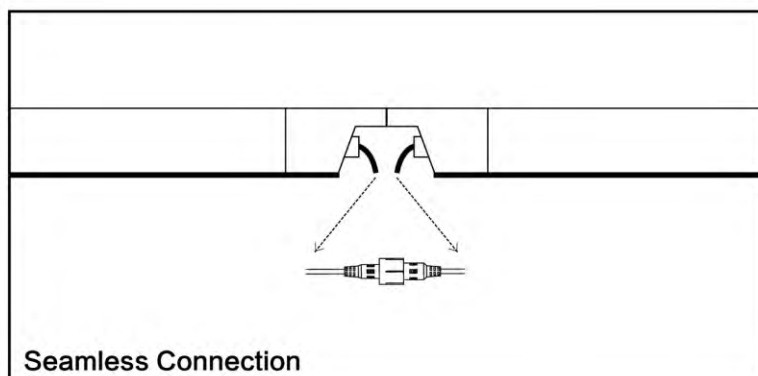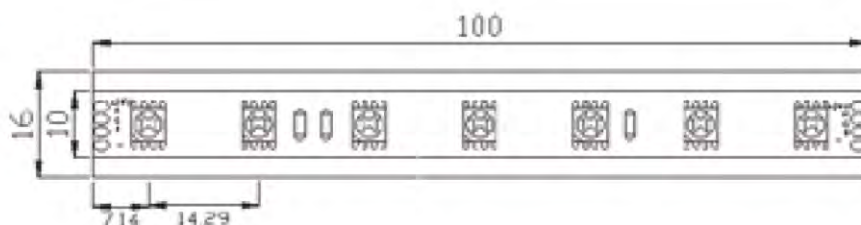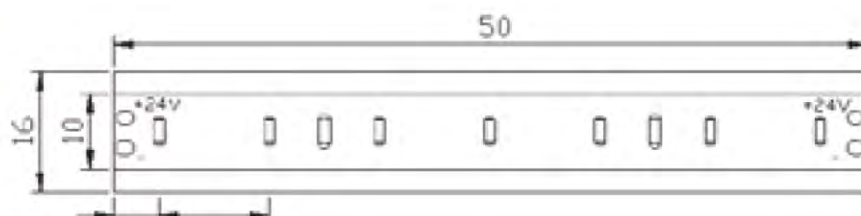
### Underwater lighting

Real IP68 products are safe and durable for your underwater or seashore projects. Moreover, IP67 strong connector strengthen the reliability for outdoor. But for underwater project, please make sure the connector or cable connection is out of water.

# LEDLINE FLEX TOP

Ledline Flex Top, DC24V, with IP68 polyurethane coating, has a cross section of 16mm*15mm (W*H) and vertical bending direction. It is cuttable with small unit of 50mm and bending radius is 150mm. 3-Step MacAdam and dot free will bring the most excellent performance for high-end projects.
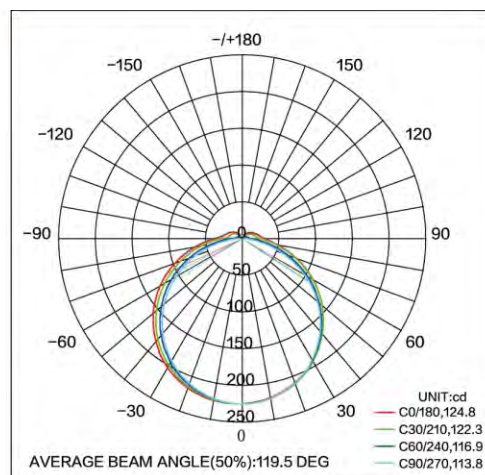




**Seamless Connection**

| 3 STEP | UV PROTECTED |
|---|---|
| TEMPORARY IMMERSION PROTECTION | LM-80 COMPLIANT LM 80 |
| RESISTANT TO SOLVENTS | SALTWATER RESISTANT |

*dimension in mm

| | | |
|---|---|---|
| LED Type | 3014 | (RGB5050) |
| LEDs/Mtr. | 140 | (RGB = 70) |
| Unit cut | 50 | (RGB =100) |
| Voltage | DC24V | |
| CRI | 80 | |
| Wattage | 10W/Mtr. | |

**ONE BIN ONLY**
Color consistency
Today and tomorrow

| Color | temperature | LM/Mtr | IP Rating | Width | Height | Coating | 3M tape |
|---|---|---|---|---|---|---|---|
| | 2700K | 780 | IP68 | 16 | 15 | Y | N |
| | 3000K | 780 | IP68 | 16 | 15 | Y | N |
| | 3200K | 880 | IP68 | 16 | 15 | Y | N |
| | 4000K | 900 | IP68 | 16 | 15 | Y | N |
| | 6500K | 900 | IP68 | 16 | 15 | Y | N |
| | RGB 5050 | 380 | IP68 | 16 | 15 | Y | N |
| | R | 250 | IP68 | 16 | 15 | Y | N |
| | G | 380 | IP68 | 16 | 15 | Y | N |
| | B | 180 | IP68 | 16 | 15 | Y | N |
| | Y | 490 | IP68 | 16 | 15 | Y | N |

1. It is available in PRO/ADV version.
2. IP68= Full coating.
3. The given color temperature is the strip (after coating) color temperature.
4. The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
5. It is no IK-Rated. Please don't walk on it without protection.

AVERAGE BEAM ANGLE(50%):119.5 DEG

UNIT:cd
C0/180,124.8
C30/210,122.3
C60/240,116.9
C90/270,113.8

# ACCESSORIES

### Different Connection Options

1. IP65 connector for semi−outdoor and indoor lighting projects;
2. Open wires for flexible connection;
3. IP67 connector for outdoor lighting projects.
Note: For underwater projects, please contact us for more reliable options.

### Installation with Clips

Clips for curving installation. Please make sure that the bending direction should be vertical and bending diameter should be more than 300mm.

### Installation with Aluminium Profile

Aluminium profile for straight installation. Please make sure that the endcap should be put out of the aluminium profile.
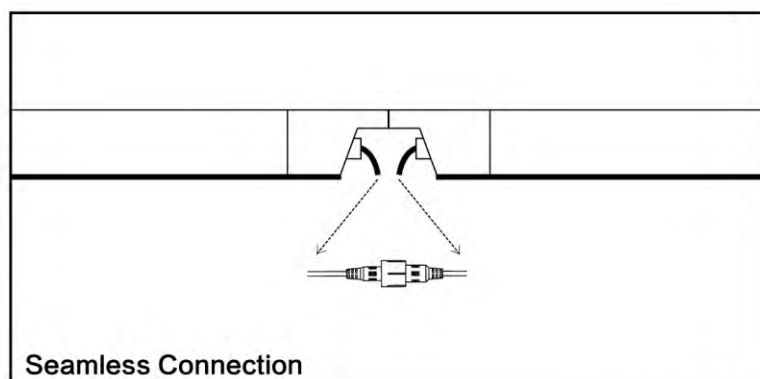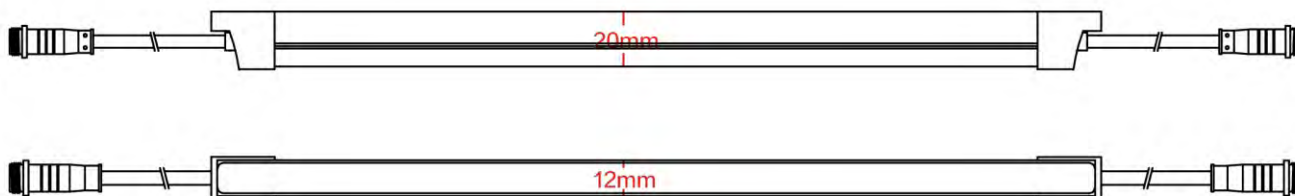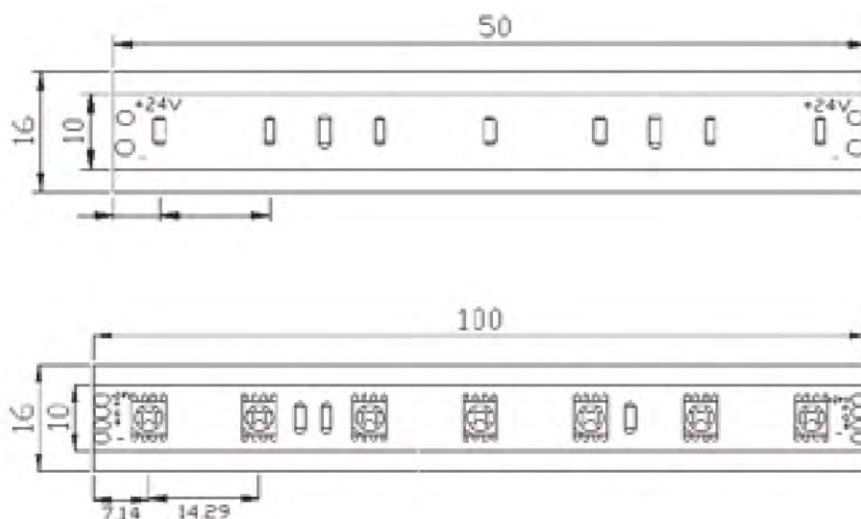
# APPLICATION

The Ledline Flex Top can be both shaped and straight illumination. You could achieve shape decoration with clips, while the straight one with profile. There are different lengths available in unit of 50mm, you could cut or customize in our factory.
Different connectors are available for various applications, there will be IP65 connectors for indoor and IP67 connectors for outdoor, but if you'd like to install under water, please make sure the connector or cable connection is out of water.
The homogeneous light is getting more and more popular thanks to its appealing line.

# RHEA
LED LINEAR

## LEDLINE FLEX SIDE

Ledline Flex Side, DC24V, with IP68 polyurethane coating, has a cross section of 12mm*20mm (W*H) and horizontal bending direction. It is cuttable with small unit of 50mm and bending radius is 150mm. 3-Step MacAdam and dot free will bring the most excellent performance for nice shape projects.
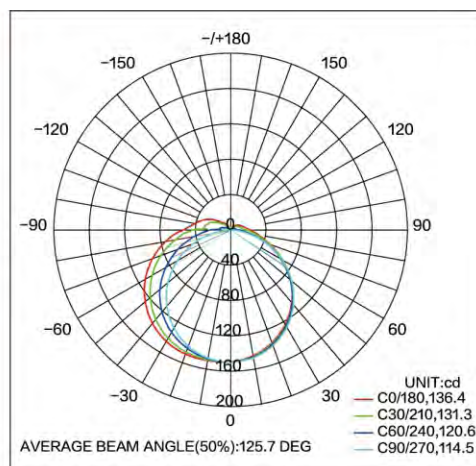
Seamless Connection

3 STEP

UV PROTECTED

TEMPORARY IMMERSION PROTECTION

LM-80 COMPLIANT

LM 80

RESISTANT TO SOLVENTS

SALTWATER RESISTANT

*dimension in mm

| LED Type | 3014 | (RGB5050) |
|----------|------|-----------|
| LEDs/Mtr. | 140 | (RGB = 70) |
| Unit cut | 50 | (RGB =100) |
| Voltage | DC24V | |
| CRI | 80 | |
| Wattage | 10W/Mtr. | |

ONE BIN ONLY
Color consistency
Today and tomorrow

| Color | temperature | LM/Mtr | IP Rating | Width | Height | Coating | 3M tape |
|---|---|---|---|---|---|---|---|
| 🟨 | 2700K | 610 | IP68 | 12 | 20 | Y | N |
| ⬜ | 3000K | 610 | IP68 | 12 | 20 | Y | N |
| ⬜ | 3200K | 630 | IP68 | 12 | 20 | Y | N |
| ⬜ | 4000K | 640 | IP68 | 12 | 20 | Y | N |
| ⬜ | 6500K | 640 | IP68 | 12 | 20 | Y | N |
| 🟥🟩🟦 | RGB 5050 | 310 | IP68 | 12 | 20 | Y | N |
| 🟥 | R | 204 | IP68 | 12 | 20 | Y | N |
| 🟩 | G | 300 | IP68 | 12 | 20 | Y | N |
| 🟦 | B | 168 | IP68 | 12 | 20 | Y | N |
| 🟨 | Y | 380 | IP68 | 12 | 20 | Y | N |

1. It is available in PRO/ADV version.
2. IP68= Full coating.
3. The given color temperature is the strip (after coating) color temperature.
4. The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
5. It is no IK-Rated. Please don't walk on it without protection.



AVERAGE BEAM ANGLE(50%):125.7 DEG

UNIT:cd
C0/180,136.4
C30/210,131.3
C60/240,120.6
C90/270,114.5

# ACCESSORIES



## Different Connection Options

1. IP65 connector for semi−outdoor and indoor lighting projects;
2. Open wires for flexible connection;
3. IP67 connector for outdoor lighting projects.
Note: For underwater projects, please contact us for more reliable options.



## Installation with Clips

Clips for curving installation. Please make sure that the bending direction should be horizontal and bending diameter should be more than 300mm;



## Installation with Aluminium Profile

Aluminium profile for straight installation. Please make sure that the endcap should be put out of the aluminium profile.

# APPLICATION





The Ledline Flex Side can be both shaped and straight illumination. You could achieve shape decoration with clips, while the straight one with profile. There are different lengths available in unit of 50mm, you could cut or customize in our factory.
Different connectors are available for various applications, there will be IP65 connectors for indoor and IP67 connectors for outdoor, but if you'd like to install under water, please make sure the connector or cable connection is out of water.
The homogeneous light is getting more and more popular thanks to its appealing line.

# RHEA
## LED LINEAR

# LEDLINE FLEX
# MINI

Seamless Connection

**+**

**Ledline Flex Mini,** 24V, with IP68 polyurethane coating, has a cross section of 10mm*10mm (W*H) and 3-side emitting. It can be cut at any cutting mark(50mm each) and a maximum length is up to 5m. 3-Step MacAdam and dot free will bring the most excellent performance for your projects.

# THE MOST
# REMARKABLE FLEX STR

165°  beam angle

RIPS

# NEW
## LAUNCHED

# LEAD THE MARKET
# PATENTED LEDLINE FLEX MINI

The 3-side emitting could cover both of your top and side bending demand

Listening to the voice of market, we lessen Ledline Flex Mini in size to make it more brisk and flexible. It is lighter, while the light effect is not shrunk. Benefit from its slim size(10mm*10mm), it is more capable in various application, especially less limit to your bending application.

With IP68 protection, it is waterproof. So do not worry about the moisture or water gets in. Also a good option for indoor project, where you like dot -free.

It is variable from 2700K to 6500K, adding RGB and single color series(Yellow, Blue, Green, Red), so just choose one you like!

Have you ever enjoyed the seamless connected strips? Take a look at our extreme slim IP67 connector, the continuous light will give you an enjoyable and life-affirming feeling. In the meantime, the connector could be fit into the aluminium profile.

Slim homogeneous light                    ideal products for high-end projects

# MAKE
# IT EASY

**3**-side emitting and small bending diameter make your project easy and pleasurable. It is user-friendly, cost-effective and no maintenance required.

Cooperating with different accessories, our Ledline Flex could adjust itself to meet multifarious applications.

Aluminium profile contributes to straight and diffuse light. Supremely appropriate to outline architecture with elegant lighting atmosphere.
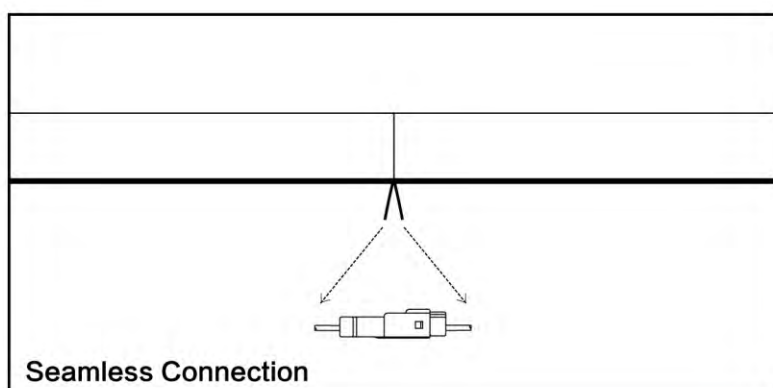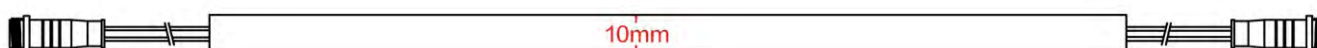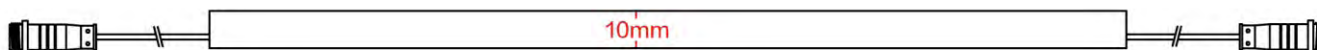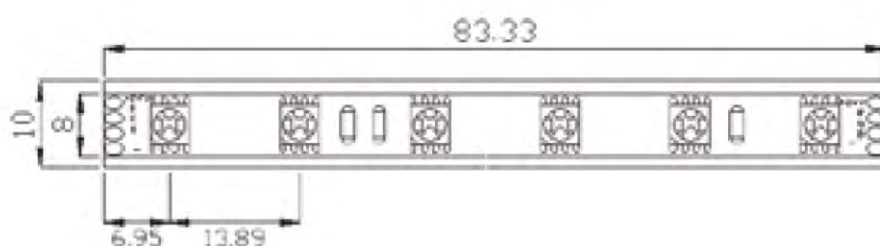
Clips are good at fixing special shape. It is ideally suitable for wonderful design project, such as bars, logo, billboard, countour lighting, facade lighing.

You can also choose to paste it with 3M tape directly when the suface is smooth. As easy as anyone can do.

# LEDLINE FLEX MINI

Ledline Flex Mini, 24V, with IP68 polyurethane coating, has a cross section of 10mm*10mm (W*H) and 3-side emitting. It can be cut at any cutting mark(50mm each) and a maximum length is up to 5m. 3-Step MacAdam and dot free will bring the most excellent performance for your projects.
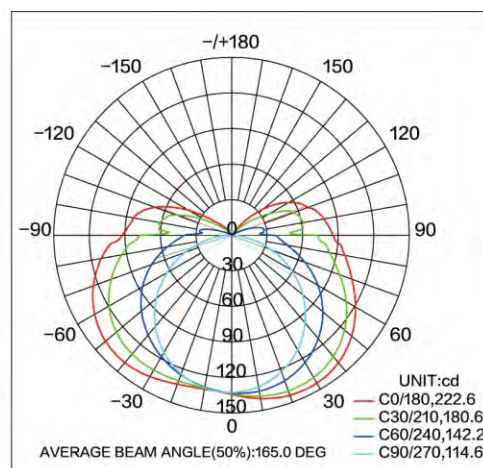
50
7.14
8.0
+24V
+24V

83.33
10
8
6.95
13.89

10mm

10mm

Seamless Connection

3 STEP

UV PROTECTED

TEMPORARY IMMERSION PROTECTION

LM-80 COMPLIANT

LM 80

RESISTANT TO SOLVENTS

SALTWATER RESISTANT

*dimension in mm

| LED Type | 3014 | (RGB5050) |
|----------|------|-----------|
| LEDs/Mtr. | 140 | (RGB = 72) |
| Unit cut | 50 | (RGB =83.33) |
| Voltage | DC24V | |
| CRI | 80 | |
| Wattage | 10W/Mtr. | |

ONE BIN ONLY
Color consistency
Today and tomorrow

| Color | temperature | LM/Mtr | IP Rating | Width | Height | Coating | 3M tape |
|---|---|---|---|---|---|---|---|
| ■ | 2700K | 780 | IP68 | 10 | 10 | Y | N |
| ■ | 3000K | 780 | IP68 | 10 | 10 | Y | N |
| ■ | 3200K | 780 | IP68 | 10 | 10 | Y | N |
| ■ | 4000K | 780 | IP68 | 10 | 10 | Y | N |
| ■ | 6500K | 800 | IP68 | 10 | 10 | Y | N |
| ■■■ | RGB 5050 | 400 | IP68 | 10 | 10 | Y | N |
| ■ | R | 210 | IP68 | 10 | 10 | Y | N |
| ■ | G | 230 | IP68 | 10 | 10 | Y | N |
| ■ | B | 150 | IP68 | 10 | 10 | Y | N |
| ■ | Y | 450 | IP68 | 10 | 10 | Y | N |

1. It is available in PRO/ADV version.
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3. The given color temperature is the strip (after coating) color temperature.
4. The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
5. It is no IK-Rated. Please don't walk on it without protection.

# ACCESSORIES



## Different Connection Options

1. IP65 connector for semi−outdoor and indoor lighting projects;
2. Open wires for flexible connection;
3. IP67 connector for outdoor lighting projects.
Note: For underwater projects, please contact us for more reliable options.
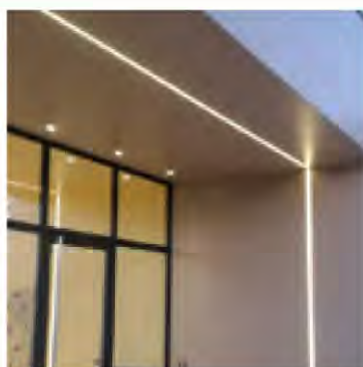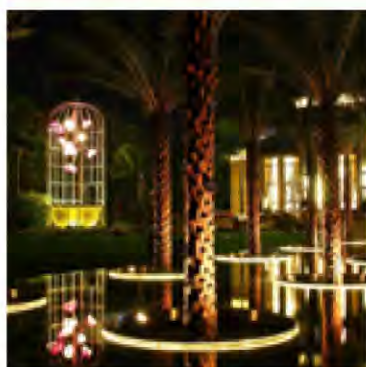


## Installation with Clips

Clips for curving installation. Please make sure that the bending direction should be vertical and bending diameter should be more than 150mm.



## Installation with Aluminium Profile

Aluminium profile for straight installation. Please make sure that the endcap should be put out of the aluminium profile.

# APPLICATION





The Ledline Flex Mini can be both shaped and straight illumination. You could achieve shape decoration with clips, while the straight one with profile. There are different lengths available in unit of 50mm, you could cut or customize in our factory.
Different connectors are available for various applications, there will be IP65 connectors for indoor and IP67 connectors for outdoor, but if you'd like to install under water, please make sure the connector or cable connection is out of water.
There are more possibilities thanks to its very flexible bending feature, the bending radius is 75mm only.
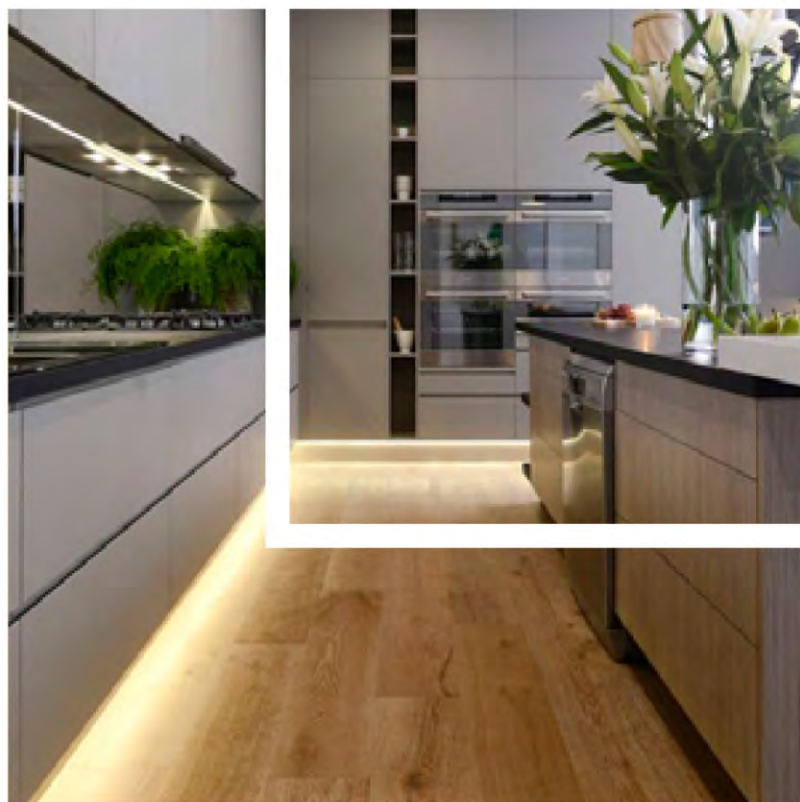
# RHEA
## LED LINEAR

## YACHT LIGHTING

Full protection of LED strips can be durable enough for resisting sea water.



## KITCHEN LIGHTING

Bright and homogeneous light makes kitchen more efficient and enjoyable. No smelling and easy cleaning features support you to build a comfortable kitchen lighting system.

# FACADE LIGHTING

Modern architecture can not only be illuminated with a custom light solution but can also be displayed in an attractive way.



# INTERIOR LIGHTING

Simple final solution for your interior lighting projects. Light design provides customers more enjoyable shopping experiences.

| Discription | Power Supply 90W |
|---|---|
| Articles | JPS021 |
| Output | 24 VDC |
| I max | 3.75 A |
| P max | 90W |
| Input | 90 – 305 VAC |
| Dimensions LxWxH | 161 x 61 x 36 mm |
| Warranty | 5 years |



| Discription | Power Supply 120W |
|---|---|
| Articles | JPS022 |
| Output | 24 VDC |
| I max | 5 A |
| P max | 120W |
| Input | 90 – 305 VAC |
| Dimensions LxWxH | 191 x 63 x 37.5 mm |
| Warranty | 5 years |

# CONTROL UNIT
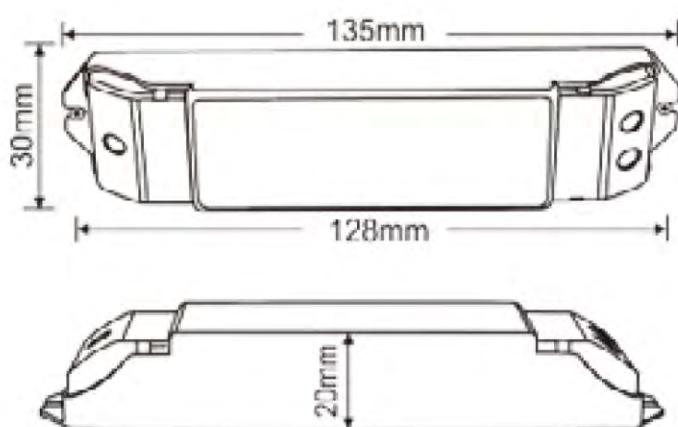## RGB LED controller



## 1. Parameter:

**Receiver:**

· Model: M3−3A

· Power Input: 12~24V DC

· Max Current Load: Max 3Ax3CH

· Max Output Power: 108W(12V)/216W(24V)

· Working Temp.: −30℃ ~55℃

· Dimensions: L135 × W30 × H20(mm)

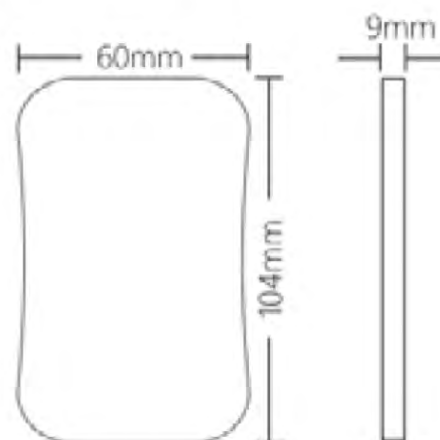· Weight(N.W.): 47g

**Total Weight(G.W.):** 135g

**Remote:**

· Model: M6

· Working Voltage: 3V (battery CR2032 not included)

· Working Frequency: 433.92MHz

· Remote Distance: 30m

· Working Temp.: −30℃ ~55℃

· Dimensions: L104 × W58 × H9(mm)

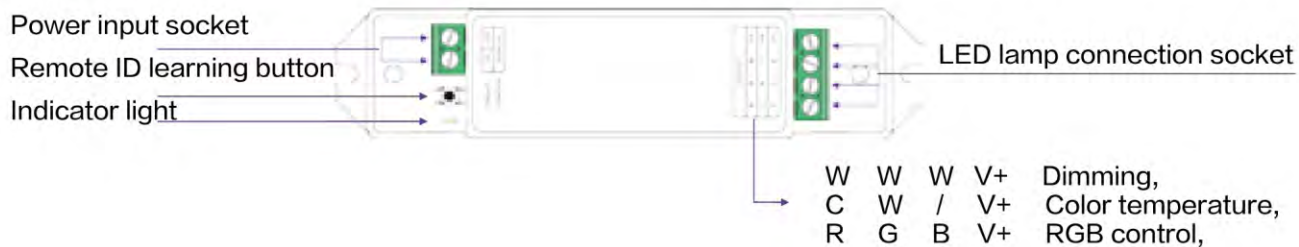· Weight(N.W.): 42g

## 2. Product Size:



Receiver

RF remote

## 3. Operating Instruction for Receiver:

Power input socket

Remote ID learning button

Indicator light

LED lamp connection socket

| W | W | W | V+ | Dimming, |
| C | W | / | V+ | Color temperature, |
| R | G | B | V+ | RGB control, |

## 4. Wiring Diagram:

RGB strip

Power Adapter

M3-3A

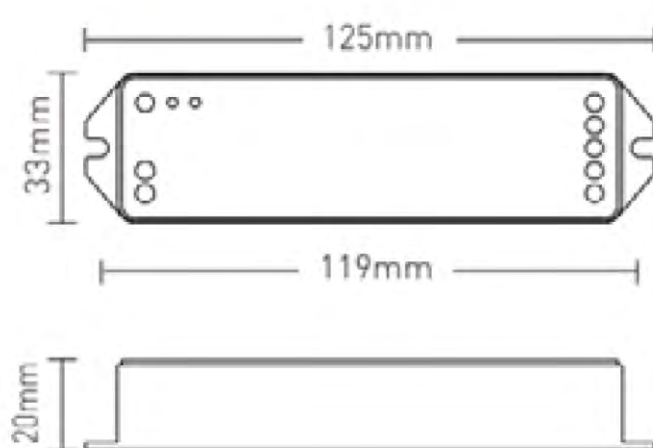# RGBW LED controller



## 1. Parameter:

**RGBW Receiver:**

· Model: M4−3A

· Power Input: 12~24V DC

· Max Current Load: 3Ax4CH Max 12A

· Max Output Power: (0−36...72W)x4CH

· Working Temp.: −30℃ ~55℃

· Dimensions: L125 × W33 × H20(mm)

· Weight(N.W.): 60g
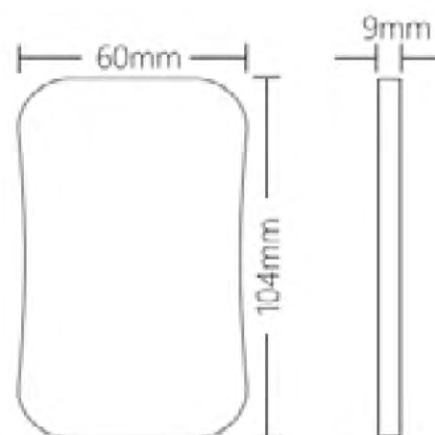
**Total Weight(G.W.):** 102g

**RGBW Remote:**

· Model: M8

· Working Voltage: 3V (battery CR2032 not included)

· Working Frequency: 433.92MHz

· Remote Distance: 30m

· Working Temp.: −30℃ ~55℃

· Dimensions: L104 × W58 × H9(mm)
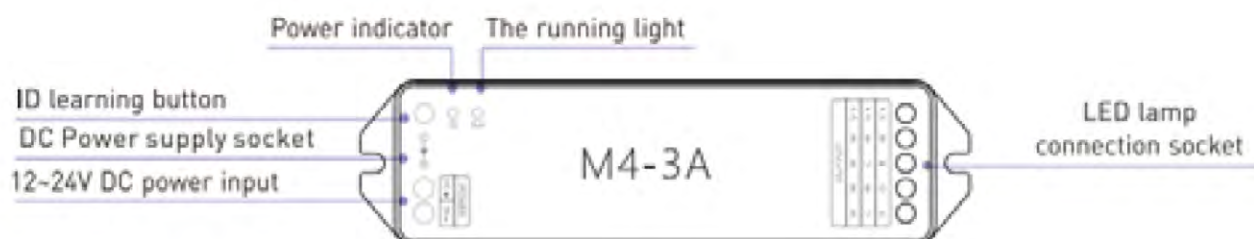
· Weight(N.W.): 42g

## 2. Product Size:



Receiver

RF remote

## 3. Operating Instruction for Receiver:



Power indicator    The running light

ID learning button
DC Power supply socket
12~24V DC power input

M4-3A

LED lamp
connection socket

## 4. Wiring Diagram:



Power Adapter

RGBW LED Strip

M4-3A Receiver

RHEA
LED LINEAR

03
SECTOR
A

03
SECTOR
A

03
SECTOR
JRI
LIGHT F

17

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