

DATASHEET



**IP00** LEDtape **2700K** CRI95 1000LM 10W 24V 5M G4

Code W1004-927-5M-G4



7506480



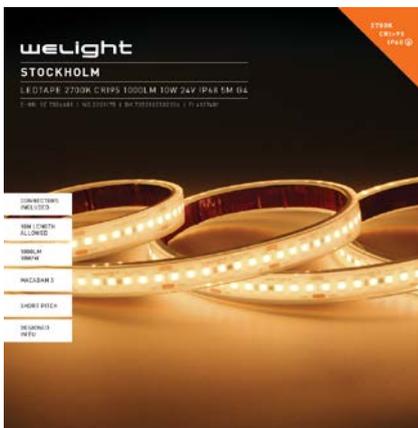
3201174



4127400



7350102530329



**IP68** LEDtape **2700K** CRI95 1000LM 10W 24V IP68 5M G4

Code W1004-927-IP68-5M-G4



7506481



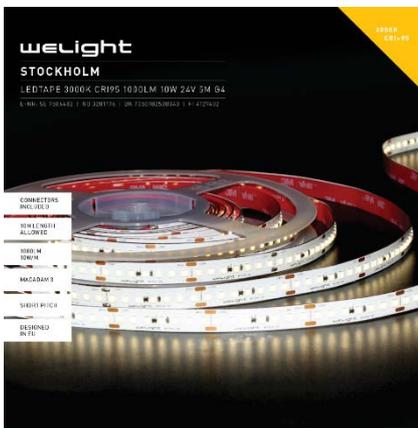
3201175



4127401



7350102530336



**IP00** LEDtape **3000K** CRI95 1000LM 10W 24V 5M G4

Code W1004-930-5M-G4



7506482



3201176



4127402



7350102530343



**IP68** LEDtape **3000K** CRI95 1000LM 10W 24V IP68 5M G4

Code W1004-930-IP68-5M-G4



7506483



3201177



4127403



7350102530350



|   |   |
|---|---|
| <b>IP00</b>   | LEDtape <b>4000K</b> CRI95 1000LM 10W 24V 5M G4 |
| <b>Code</b>   | W1004-940-5M-G4                                 |
|  | 7506484   |
|  | 3201178   |
|  | 4127404   |
|  | 7350102530367                                   |



|   |  |
|---|--|
| <b>IP68</b>   | LEDtape <b>4000K</b> CRI95 1000LM 10W 24V IP68 5M G4 |
| <b>Code</b>   | W1004-940-IP68-5M-G4                                 |
|  | 7506485  |
|  | 3201179  |
|  | 4127405  |
|  | 7350102530374  |

**HIGHLIGHTS**

- Flexible LEDtape for professional lighting applications with high density and light output
- Colour temperature 2700K, 3000K and 4000K
- Ultra-high CRI>95
- Available in IP00 and IP68-version
- High efficiency >100 lm/W
- Best in class colour tolerance – MacAdam 3
- Possible to connect 10 meters in series ☺
- Optimal for homogenous illumination at short distances - 168 LEDs per meter
- High quality adhesive 3M-tape on backside for easy mounting on common surfaces
- Long lifetime: L70 = 50 000h ⓘ
- Optimized for high resolution digital dimming 0.1-100% using Welight LED-driver W71XX-series.
- Can be made to order in any CCT between 2000-6500K. Contact us for more details.

**Accessories**

- Solder-free connectors and bridges (included)
- Aluminium profiles for linear and corner applications
- Wide variety of lenses and covers 15°/30°/60°/120°/Asymmetric/Batwing
- Fixed or adjustable mounting brackets
- Optimised drivers to fit every need and application

**Technical Data**

 pp. 2

**Accessories**

 pp. 5

**Mounting Instructions**

 pp. 7

TECHNICAL DATA

Packaging

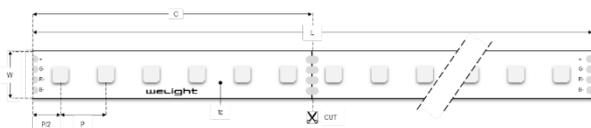
|                |                           |
|----------------|---------------------------|
| Full carton    | 20 pcs                    |
| Weight per pc  | IP00: 320 g   IP68: 700 g |
| Box dimensions | 250 x 250 x 30 mm         |

Electrical ①

|                      |  |
|----------------------|--|
| Supply voltage (VDC) | 24   |
| DC Voltage Range ④⑥  | 22-26V @ L ≤5m<br>24-26V @ L ≤10m                                      |
| Power (W) per m      | 10   |
| Current (mA) per m   | 415  |
| Supply Cable         | L = 1 m (both ends)<br>AWG20 UL standard<br>BK (Black +)<br>RD (Red -) |

Dimensional ②

|                        |   |
|------------------------|---|
| Length (L)             | 5 m   |
| Max length in series ⑥ | 10 m  |
| Min Bending Radius     | IP00: 30 mm<br>IP68: 50 mm                          |
| Width (W)              | IP00: 10 mm<br>IP68: 12 mm   Incl. Endcap: 14 mm    |
| Height                 | IP00: 1,4 mm<br>IP68: 4,5 mm   Incl. Endcap: 6,5 mm |
| Cutting length (C)     | 41,6 mm   |
| Pitch distance (P)     | 6 mm  |



Temperature and Lifetime

|                              |                        |
|------------------------------|------------------------|
| Performance Temp Rating (Tp) | 65 °C                  |
| Operating Temp Range (Ta) ⑤  | -35/+50 °C             |
| Max PCB Temp (Tc)            | 75 °C                  |
| Storage Temp                 | -35/+80 °C             |
| L70F10 @Tp                   | 50 000 h               |
| L90F10 @Tp                   | 35 000 h               |
| Adhesive                     | 3M VHB 5-year warranty |
| Warranty Period @Tp          | 5 years                |

Safety & Compliance

|                                  |  |
|----------------------------------|--|
| Constant Current IC              | Yes, bipolar IC                                      |
| Insulation Voltage               | 0,5kV DC 10mA 60sec                                  |
| IEC Standards                    | IEC 62031<br>IEC 62471<br>IEC 62717<br>IEC 61000-4-2 |
| ESD Class                        | 1  |
| Risk group (EN 62471:2008)       | 1  |
| Classification acc. to IEC 62031 | Class III  |
| Energy Declaration (EEL)         | A+   10 kWh / 1000h                                  |

Optical ①③

|                          |      |
|--------------------------|------|
| Luminous Flux (lm) per m | 1000 |
| Beam Angle               | 120  |
| LED package              | 2835 |
| LED quantity per m       | 168  |
| MacAdam SDCM             | ≤3   |
| CRI (R1-R8)              | >95  |
| CRI (R1-R14)             | >95  |

Photometric Code (according to EN 62717)

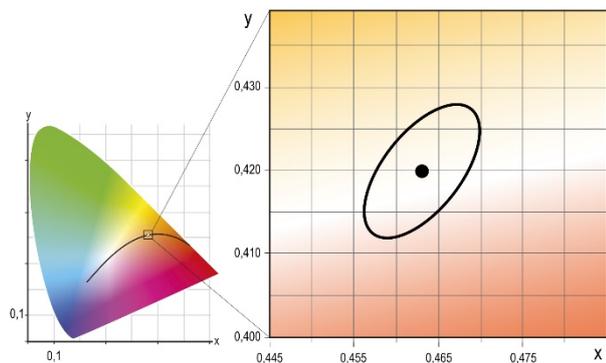
| White Tone   | CCT    | Photometric Code |
|--------------|--------|------------------|
| Incandescent | 2700 K | 927 / 349        |
| Warm         | 3000 K | 930 / 349        |
| Neutral      | 4000 K | 940 / 349        |

① Tolerance range for electrical and optical data ±10%  
 ② Tolerance range for dimensional data ±1%  
 ③ All values for ta = 25 °C / tc = 65 °C  
 ④ Measured at the beginning of the LEDtape. Exceeding the maximum operating voltage leads to an overload on the tape. This may result in a significant reduction in lifetime or even destruction of the tape.  
 ⑤ Self-cooling at ta ≤ 35 °C  
 ⑥ When connecting 10 meters in series, the supply voltage must be between 24-26V at the beginning of the tape. Lower voltage can cause a significant reduction in light output at the end of length.

Chromaticity coordinates and tolerances (according to CIE 1931)

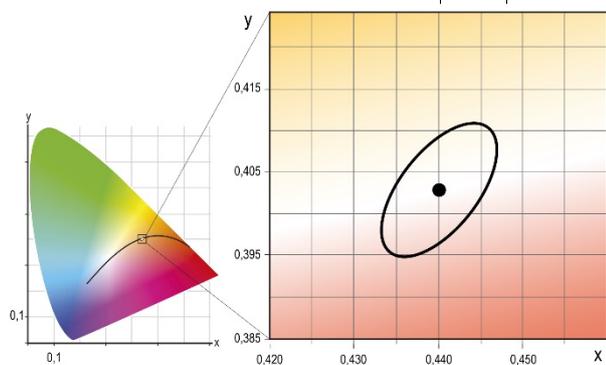
2700 K

|        | x0    | y0    |
|--------|-------|-------|
| Centre | 0,463 | 0,420 |



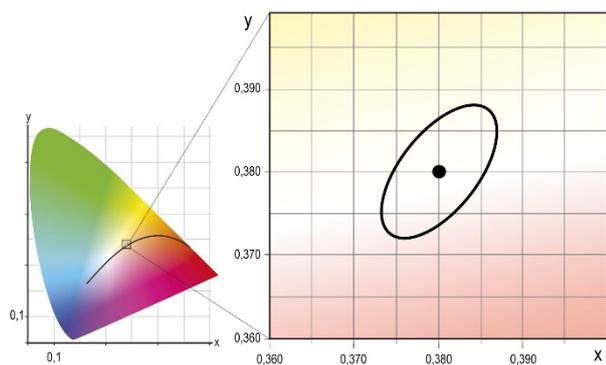
3000 K

|        | x0    | y0    |
|--------|-------|-------|
| Centre | 0,440 | 0,403 |



4000 K

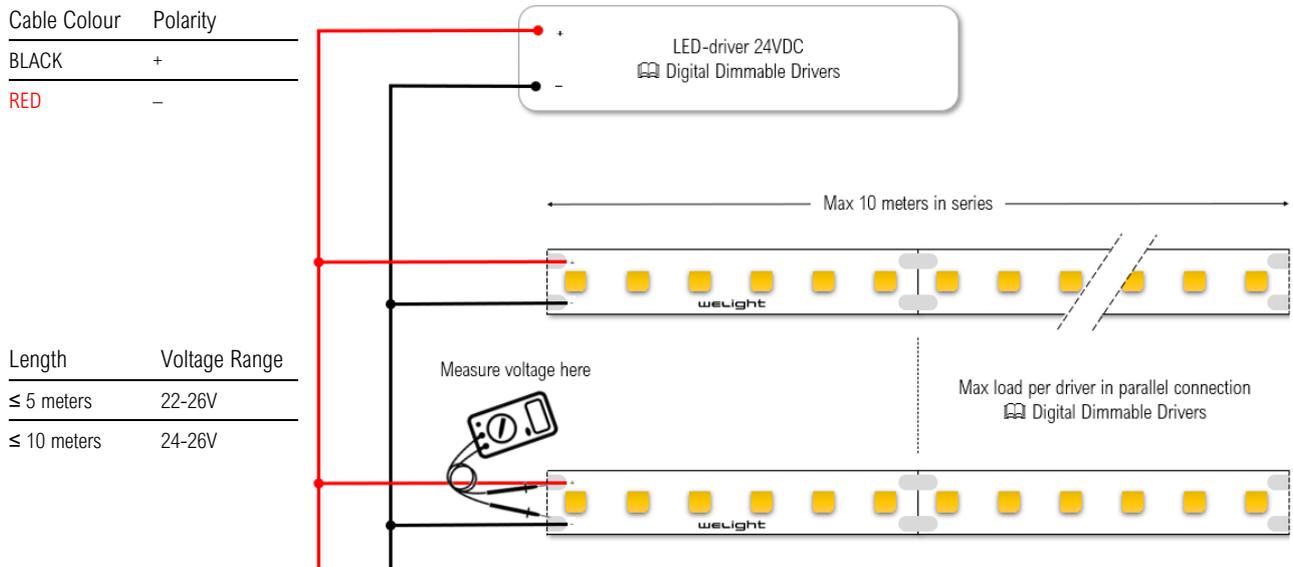
|        | x0     | y0     |
|--------|--------|--------|
| Centre | 0,3800 | 0,3800 |



The specified color coordinates are measured by a current impulse with nominal values of module after a settling time of 100 msec. The ambient temperature of the measurement is  $t_a = 25\text{ }^\circ\text{C}$ . The measurement tolerance of the color coordinates is  $\pm 0.01$ .

WIRING

The LEDtape is delivered with colour coded connection cable at each end, L = 1 m, 2 x 0,5 mm<sup>2</sup> (AWG20). Do not connect more than 10 meters in series and make sure that the voltage is within the specified range at the beginning of the LEDtape.



DIGITAL DIMMABLE DRIVERS

Welight offers a range of suitable LED-drivers especially designed for high-end dimmable applications.



| Control Signal  | Art. Code | Driver Type                           | Max length per driver |
|-----------------|-----------|---------------------------------------|-----------------------|
| 1 DALI-2        | W7101     | LEDdriver LCV 100W 24V 1-4CH DALI2 SR | 10 m                  |
| 2 KNX           | W7102     | LEDdriver LCV 100W 24V 1-4CH KNX SR   | 10 m                  |
| 3 DMX           | W7103     | LEDdriver LCV 100W 24V 1-4CH DMX SR   | 10 m                  |
| 4 one4all ⊕     | 28001920  | LCA 35W 24V one4all SC PRE            | 3,5 m                 |
| 5 one4all ⊕     | 28001921  | LCA 60W 24V one4all SC PRE            | 6 m                   |
| 6 one4all ⊕     | 28001922  | LCA 100W 24V one4all SC PRE           | 10 m                  |
| 7 one4all ⊕     | 28001923  | LCA 150W 24V one4all SC PRE           | 15 m                  |
| 4 bDW / Casambi | 28002677  | LC 35W 24V bDW SC PRE2                | 3,5 m                 |
| 5 bDW / Casambi | 28002674  | LC 60W 24V bDW SC PRE2                | 6 m                   |
| 6 bDW / Casambi | 28002675  | LC 100W 24V bDW SC PRE2               | 10 m                  |
| 7 bDW / Casambi | 28002678  | LC 150W 24V bDW SC PRE2               | 15 m                  |

⊕ The driver can be controlled via DALI DT6, DSI, switchDIM, corridorFUNCTION and ready2mains.

CABLE & CONNECTION ACCESSORIES

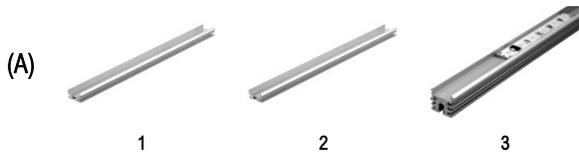


| Pic | Type                                       | Art. Code | Description   | Included | Suitable for LEDtape |      |
|-----|--|-----------|---|----------|----------------------|------|
|     |  |           |   |          | IP00                 | IP68 |
| 1   | LEDtape Connector Strip-Strip              | W8434     | Connect IP00 strips to each other   | 1 pc     | ✓                    | ✗    |
| 2   | LEDtape Connector Strip-Cable              | W8435     | Connect IP00 strip to a 2-wire cable (cable not included). Max cross section AWG20 (0,5mm²).  | 1 pc     | ✓                    | ✗    |
| 3   | LEDtape Connector Slim Strip-Strip         | W8436     | Connect IP00 strips to each other inside a confined space, e.g. a mounting profile (cable not included)   | 1 pc     | ✓                    | ✗    |
| 4   | LEDtape Connector Slim Strip-Cable         | W8437     | Connect IP00 strip to a 2-wire cable inside a confined space, e.g. a mounting profile (cable not included). Max cross section AWG20 (0,5mm²).     | 1 pc     | ✓                    | ✗    |
| 5   | LEDtape Connector IP Strip-Strip           | W8438     | Connect IP68 strips to each other ⚠   | 1 pc     | ✗                    | ✓    |
| 6   | LEDtape Connector IP Strip-Cable           | W8439     | Connect IP68 strip to a cable (20cm cable included) ⚠   | 1 pc     | ✗                    | ✓    |
| 7   | LEDtape Connector Strip-Corner-Strip       | W8451     | Connect IP00 strips in a 90° angle. Suitable for corners.   | –        | ✓                    | ✗    |
| 8   | LEDaccessory Plug Connector 2P IP20 36V 9A | W8412-D2  | Pluggable Cable Joint. Can act as both female and male by turning it upside down. Max cross section AWG20 (0,5mm²).                               | –        | ✓                    | ✗    |
| 9   | LEDaccessory T Splicer 2P IP20 300V 10A    | W8412-T2  | T Splicer. Can be used to split the supply cable in two directions. Max cross section AWG20 (0,5mm²).   | –        | ✓                    | ✗    |
| 10  | LEDaccessory Connector IP68 kit F+M        | W8411-A2  | IP68 connector with lockable female and male plug incl. 30cm cable, white   | –        | ✗                    | ✓    |
| 11  | LEDcable RKUB 2X0.5 AWG20 Rd/Bk 6m         | W8417     | Black/red connection cable, 6m reel. Indoor use only.   | –        | ✓                    | ✓    |
| 12  | LEDcable RKUB 2X0.5 AWG20 W/W 6m           | W8418     | White connection cable, 6m reel. Indoor use only.   | –        | ✓                    | ✓    |
| 11  | LEDcable RKUB 2X0.5 AWG20 Rd/Bk 100m       | W8421     | Black/red connection cable, 100m reel. Indoor use only.   | –        | ✓                    | ✓    |
| 12  | LEDcable RKUB 2X0.5 AWG20 W/W 100m         | W8422     | White connection cable, 100m reel. Indoor use only.   | –        | ✓                    | ✓    |
| 13  | LEDcable RKKB 2X1 Rd/Bk Yd 5,8mm Bk 100m   | W8413     | Black/red connection cable with UV-resistant insulation, 100m reel. Suitable for outdoor use. ⚠ <b>Not compatible with quick connectors!</b>      | –        | ✓                    | ✓    |
| 14  | LEDtape 3M VHB Adhesive 10mm 33m reel      | W8449     | Additional adhesive for repairing or replacing the adhesive on the back of LEDtape IP00 and IP68. Pre-cut to fit PCB width 10mm. Reel length 33m. | –        | ✓                    | ✓    |
| 15  | LEDtape IP Endcap                          | W8432     | Suitable for sealing the end of a cut LEDtape IP68. Use with W8433.   | 5 pcs    | ✗                    | ✓    |
| 16  | LEDtape Silicon Tube with tip              | W8433     | Suitable for sealing the end of a cut LEDtape IP68. Can be used together with W8432 for optimal protection.                                       | 1 pc     | ✗                    | ✓    |
| 17  | LEDtape IP Assembly Kit 10                 | W8901     | Endcaps, Mounting Brackets & Silicon  | –        | ✗                    | ✓    |
| 18  | LEDtape Mounting Clip                      | W8430     | Mounting clip with single screw for IP00-rated LEDtape  | 10 pcs   | ✓                    | ✗    |
| 18  | LEDtape Mounting Clip IP68                 | W8431     | Mounting clip with single screw for IP68-rated LEDtape  | 10 pcs   | ✗                    | ✓    |

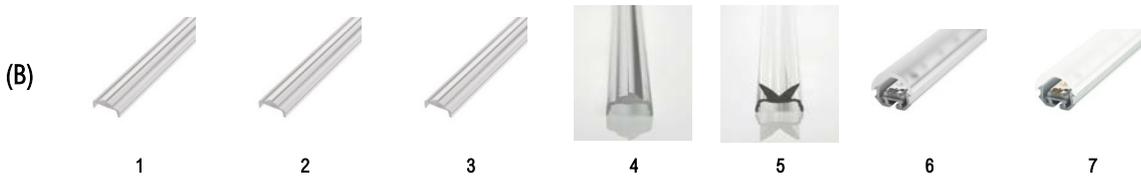
⚠ When properly applied the overall IP-rating of the solution will be IP67.

PROFILE SYSTEMS & LENSES

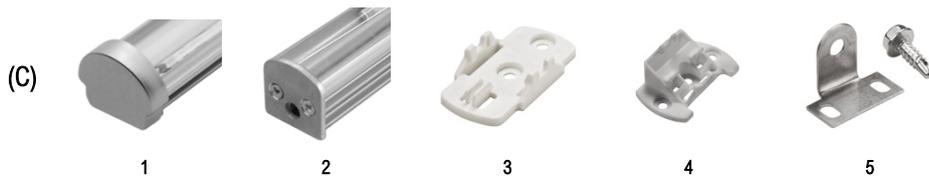
Start by selecting an aluminium **profile (A)** and a suitable **lens cover (B)** and then add optional **accessories (C)**.



| Pic | Type   | Art. Code | L (mm) | W (mm) | H (mm) | W (mm) incl. lens cover | H (mm) incl. lens cover | Application | Optional accessories |         |             |                  |
|-----|--------|-----------|--------|--------|--------|-------------------------|-------------------------|-------------|----------------------|---------|-------------|------------------|
|     |        |           |        |        |        |                         |                         |             | Lens Cover           | End Cap | Fixed Mount | Adjustable Mount |
| 1   | Z200-2 | 24166148  | 2000   | 18     | 9      | 21                      | 16                      | Corner      | ✓                    | ✗       | ✗           | ✗                |
| 2   | Z201-2 | 24166149  | 2000   | 18     | 9      | 21                      | 16                      | Linear Slim | ✓                    | ✓       | ✓           | ✗                |
| 3   | Z22W-2 | 24166150  | 2000   | 18     | 16     | 21                      | 24                      | Linear      | ✓                    | ✓       | ✓           | ✓                |



| Pic | Type      | Art. Code | L (mm) | Mounting Method | Typ. application   | Profile |        |        |
|-----|-----------|-----------|--------|-----------------|--------------------|---------|--------|--------|
|     |           |           |        |                 |                    | Z200-2  | Z201-2 | Z22W-2 |
| 1   | 15°       | 24166405  | 2000   | Slide-on        | Wall wash $\Delta$ | ✓       | ✓      | ✓      |
| 2   | 30°       | 24166409  | 2000   | Slide-on        | Wall wash          | ✓       | ✓      | ✓      |
| 3   | 60°       | 24166410  | 2000   | Slide-on        | Shelf/Cabinet      | ✓       | ✓      | ✓      |
| 3   | 90°       | 24166411  | 2000   | Slide-on        | Shelf/Cabinet      | ✓       | ✓      | ✓      |
| 4   | 30° x 60° | 24166412  | 2020   | Slide-on        | Asymmetric         | ✓       | ✓      | ✓      |
| 5   | Batwing   | 24166123  | 2000   | Snap-on         | Side-emitting      | ✗       | ✗      | ✓      |
| 6   | 120°      | 24138743  | 2000   | Snap-on         | Accent / Cove      | ✓       | ✓      | ✓      |
| 7   | Opal      | 24138742  | 2000   | Snap-on         | Accent / Cove      | ✓       | ✓      | ✓      |



| Pic | Type                          | Art. Code | Profile |        |        |
|-----|-------------------------------|-----------|---------|--------|--------|
|     |                               |           | Z200-2  | Z201-2 | Z22W-2 |
| 1   | End cap Grey PMMA             | 24166334  | ✗       | ✓      | ✗      |
| 2   | End Cap Aluminium             | 24139174  | ✗       | ✗      | ✓      |
| 2   | End Cap Aluminium Cable Entry | 24139173  | ✗       | ✗      | ✓      |
| 3   | Mounting Bracket 0°           | 88166859  | ✗       | ✓      | ✓      |
| 4   | Mounting Bracket 15°          | 88167372  | ✗       | ✓      | ✓      |
| 4   | Mounting Bracket 30°          | 88167373  | ✗       | ✓      | ✓      |
| 4   | Mounting Bracket 45°          | 88167374  | ✗       | ✓      | ✓      |
| 4   | Mounting Bracket 60°          | 88167375  | ✗       | ✓      | ✓      |
| 5   | Mounting Bracket Adjustable   | 24166024  | ✗       | ✗      | ✓      |

LEDtape Indoor Series IP00

INSTRUKTIONER  
 INSTRUCTIONS  
 ANLEITUNG  
 ISTRUZIONI  
 INSTRUCCIONES



INSTALLATION

**1**

Never bend the LEDtape at a radius smaller than 30 mm.

**2**

Assembly must not damage or destroy conducting paths on the PCB.

**3**

**Perform the Pre-connection Checklist:**

- Maximum length connected in series:  
 → Datasheet | Wiring
- Polarity and Cable Colour Coding:  
 → Datasheet | Wiring
- Maximum length per driver:  
 → Datasheet | Digital Dimmable Drivers

**4**

The fixing/cooling surface must be properly cleaned to remove grease, dirt and silicon before application, e.g. using Isopropyl alcohol.

**5**

Remove the adhesive tape from the backside and fix the LEDtape on the cleaned fixing/cooling surface.

**6**

When fixing the LEDtape to a surface, apply an even but gentle pressure and try to avoid applying pressure directly on the LED itself (the maximum allowed pressure is 20 N/cm<sup>2</sup>).

After assembly always check that the entire length has attached properly to the surface and that there is no air pockets underneath.

**7**

Length > 2m

If the total length is longer than 2 meters it is recommended to use the included screw mounting clips in addition to the adhesive tape.

**8**

Always use our approved drivers and controls to power the LEDtape. If the wrong type of driver is used the product warranty is void.

→ Datasheet | Digital Dimmable Drivers

**9**

Tc

≤ 65°C

The temperature on the surface of the LEDtape (tc) may under no circumstances be higher than 65 °C if the expected lifetime of the LEDtape is to be met.

**CUT & SOLDER**

The LEDtape is separable at the middle of every solder pad with the full function of each LED segment. It is only allowed to cut at the indicated cutting line.

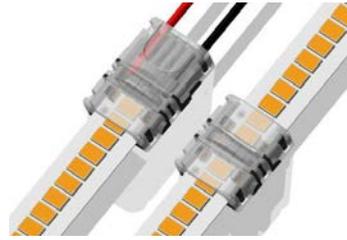
Always cut the LEDtape in a straight line – 90° in relation to the PCB edges. Use Welight's official connection accessories to split, connect, and bridge the LEDtape.

If you need to solder the LEDtape, pre-tin the cables only. Soldering temperature max 300 °C for 4 seconds.

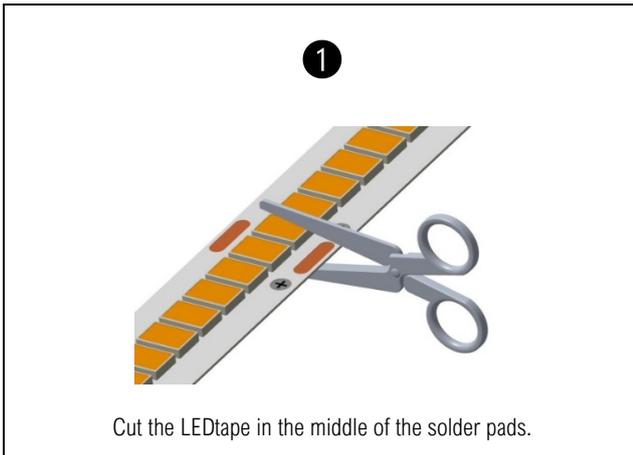
For details on how to solder an IP00 LEDtape, please watch this VIDEO TUTORIAL:

LEDtape Indoor Series IP00

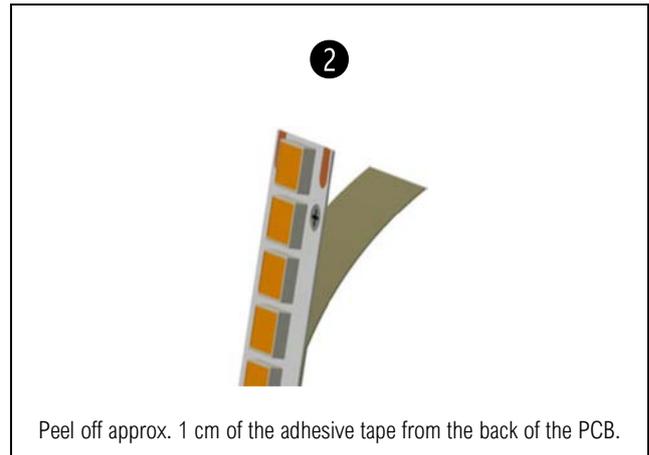
KOPPLINGSBON  
CONNECTORS  
VERBINDER  
CONNETTORI  
CONECTORES



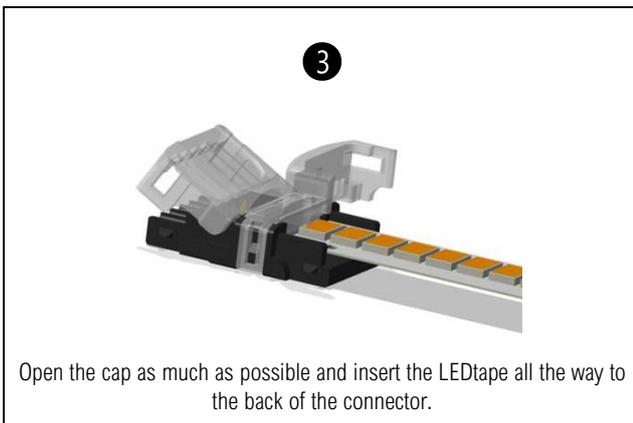
STRIP TO CABLE



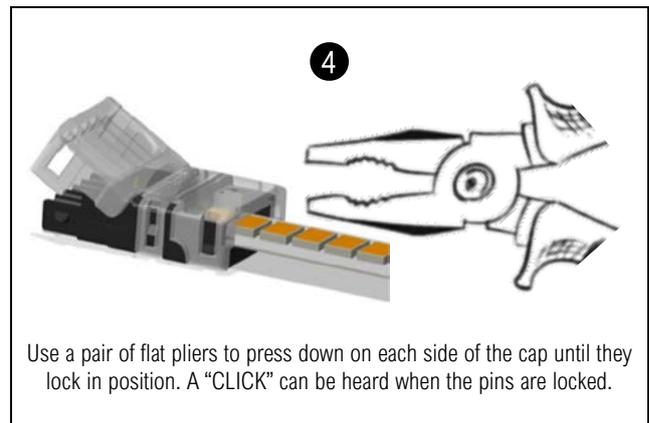
1  
Cut the LEDtape in the middle of the solder pads.



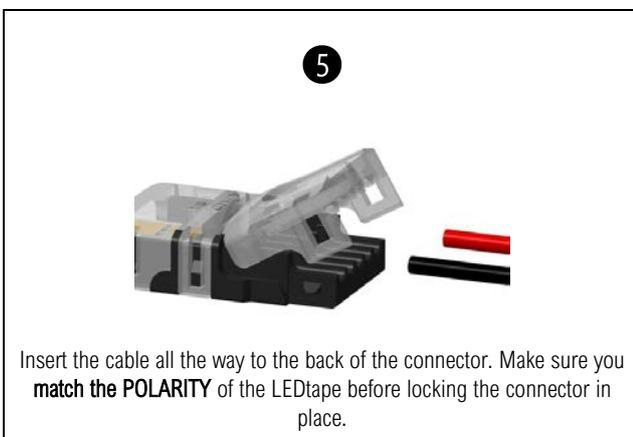
2  
Peel off approx. 1 cm of the adhesive tape from the back of the PCB.



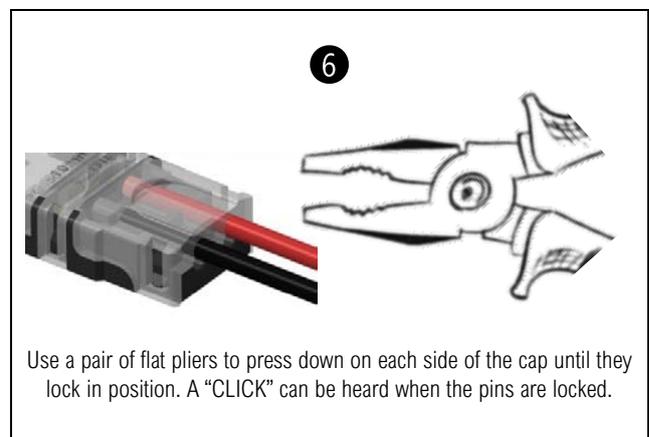
3  
Open the cap as much as possible and insert the LEDtape all the way to the back of the connector.



4  
Use a pair of flat pliers to press down on each side of the cap until they lock in position. A "CLICK" can be heard when the pins are locked.



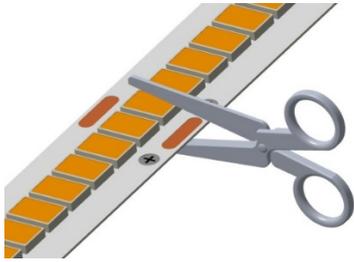
5  
Insert the cable all the way to the back of the connector. Make sure you **match the POLARITY** of the LEDtape before locking the connector in place.



6  
Use a pair of flat pliers to press down on each side of the cap until they lock in position. A "CLICK" can be heard when the pins are locked.

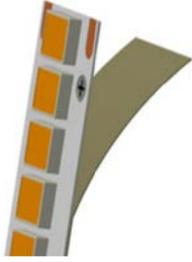
STRIP TO STRIP

**1**



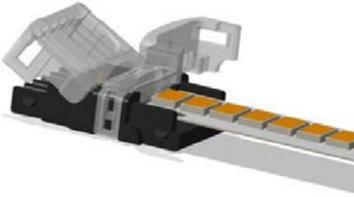
Cut the LEDtape in the middle of the solder pads.

**2**



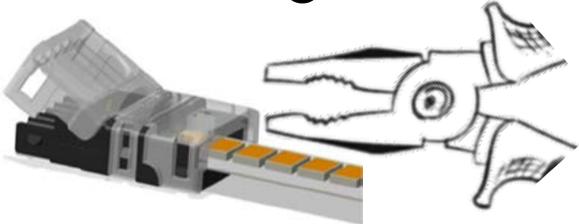
Peel off approx. 1 cm of the adhesive tape from the back of the PCB.

**3**



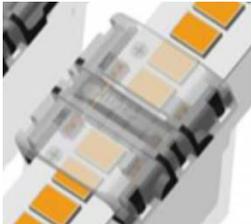
Open the cap as much as possible and insert the LED-strip all the way to the back of the connector.

**4**



Use a pair of flat pliers to press down on each side of the cap until they lock in position. A "CLICK" can be heard when the pins are locked.

**5**



Repeat steps 1-4 for the other connecting end of the LEDtape. Make sure you check that both ends are facing the **SAME POLARITY** before locking the last connector in place.

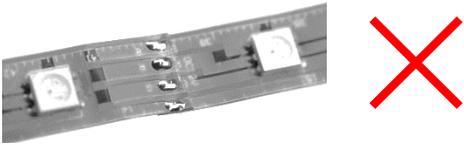
If you are in doubt, consider soldering your connection instead. There is no substitute for a permanent soldered connection.

VIDEO TUTORIAL:



**Do NOT use Quick Connectors when...**

- ✗ You need to connect a pre-soldered joint.

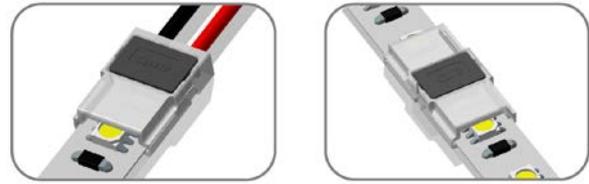


- ✗ Your LED strips might be subjected to movement - as in installations on cars, boats, or other vehicles; or in installations that might be installed or set up several times, such as portable shelving or displays.

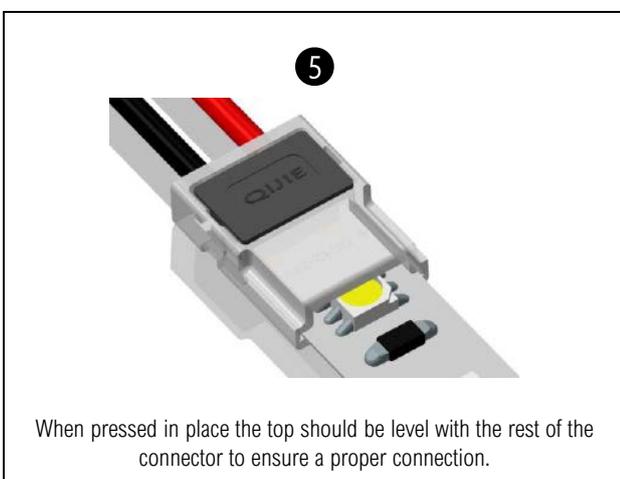
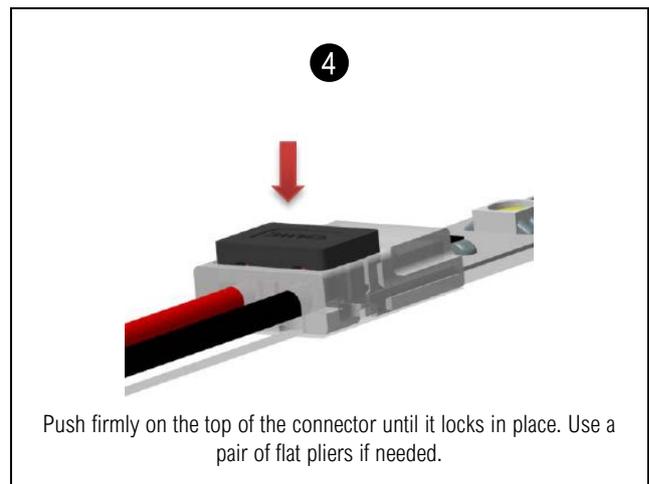
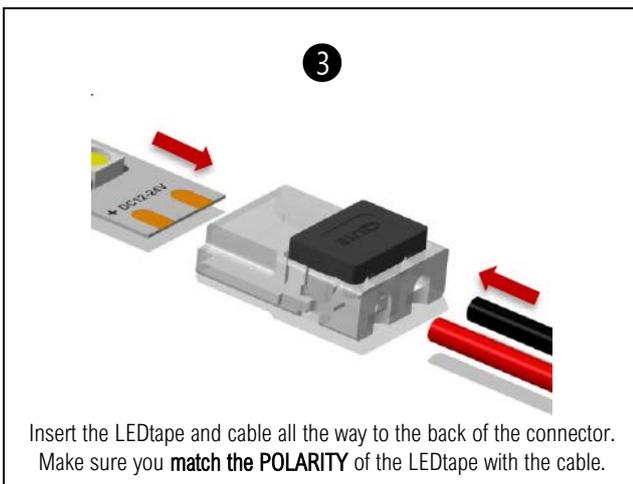
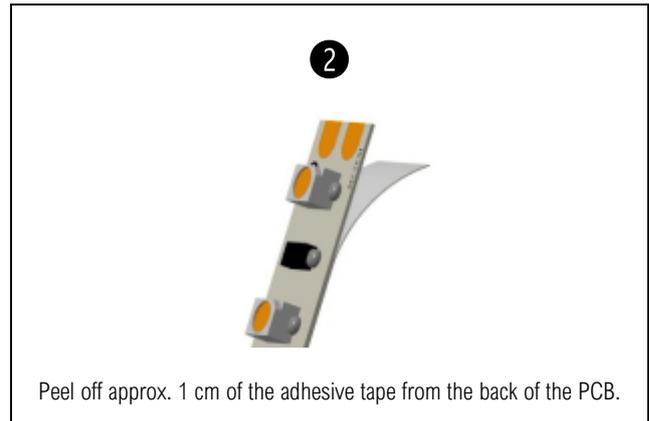
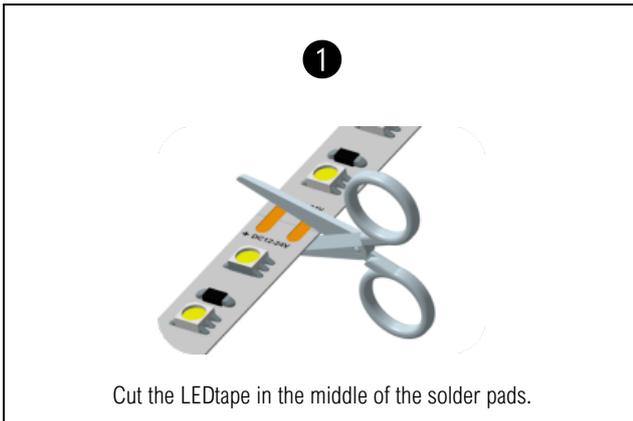
- ✗ You have a large number of connections to make - particularly in installations that require many connections back to back, where one failure would result in the loss of large sections of light.
- ✗ You are installing in tight places - when the added size of the connector would make your LED strip installation difficult or impossible.
- ✗ Your connectors absolutely **MUST NOT** fail - as in connectors installed in hard to reach places, in products or installations you're delivering or shipping to a customer.

LEDtape Indoor Series IP00

KOPPLINGSDON MINI  
CONNECTORS SLIM  
VERBINDER KLEIN  
CONNETTORI SOTTILE  
CONECTORES DELGADO

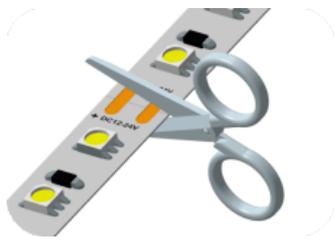


STRIP TO CABLE



STRIP TO STRIP

1



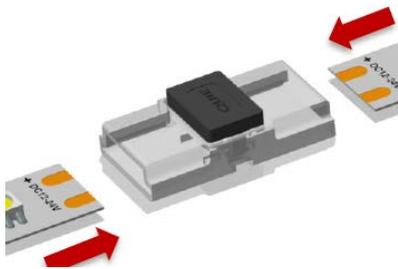
Cut the LEDtape in the middle of the solder pads.

2



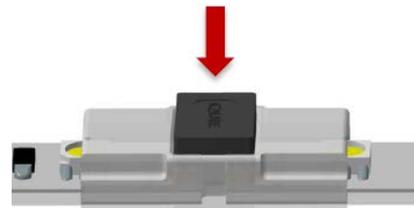
Peel off approx. 1 cm of the adhesive tape from the back of the PCB on both ends that you want to connect.

3



Insert the ends of the LEDtape all the way to the back of the connector. Make sure you **match the POLARITY** on both sides.

4



Push firmly on the top of the connector until it locks in place. Use a pair of flat pliers if needed.

5



When pressed in place the top should be level with the rest of the connector to ensure a proper connection.

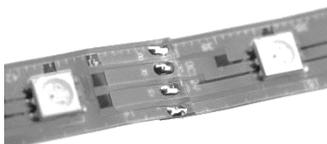
If you are in doubt, consider soldering your connection instead. There is no substitute for a permanent soldered connection.

VIDEO TUTORIAL:



Do **NOT** use Quick Connectors when...

- ✗ You need to connect a pre-soldered joint.



- ✗ Your LED strips might be subjected to movement - as in installations on cars, boats, or other vehicles; or in installations that might be installed or set up several times, such as portable shelving or displays.

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LEDtape Outdoor Series IP68

INSTRUKTIONER  
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 INSTRUCCIONES



INSTALLATION

**1**

Never bend the LEDtape at a radius smaller than 50 mm.

**2**

Assembly must not damage or destroy conducting paths on the PCB.

**3**

**Perform the Pre-connection Checklist:**

- Maximum length connected in series:  
 → Datasheet | Wiring
- Polarity and Cable Colour Coding:  
 → Datasheet | Wiring
- Maximum length per driver:  
 → Datasheet | Digital Dimmable Drivers

**4**

The fixing/cooling surface must be properly cleaned to remove grease, dirt and silicon before application, e.g. using Isopropyl alcohol.

**5**

Remove the adhesive tape from the backside and fix the LEDtape on the cleaned fixing/cooling surface.

**6**

When fixing the LEDtape to a surface, apply an even but gentle pressure and try to avoid applying pressure directly on the LED itself (the maximum allowed pressure is 20 N/cm<sup>2</sup>).

After assembly always check that the entire length has attached properly to the surface and that there is no air pockets underneath.

**7**

Length > 2m

If the total length is longer than 2 meters or when used in environments with large variations in temperature (e.g. outdoor applications) it is recommended to use the included screw mounting clips in addition to the adhesive tape.

**8**

Before you connect the power supply, make sure all cable connections have been properly sealed using weatherproof connectors, e.g. 3M Scotchlok (not included). Always use our approved drivers and controls to power the LEDtape. If the wrong type of driver is used the product warranty is void.

→ Datasheet | Digital Dimmable Drivers

**9**

Tc

≤ 65°C

The temperature on the surface of the LEDtape (tc) may under no circumstances be higher than 65 °C if the expected lifetime of the LEDtape is to be met.

CUT & RE-SEAL

**1**

The LEDtape is separable at the middle of every solder pad with the full function of each LED segment. It is only allowed to cut at the indicated cutting line.

**2**

Always cut the LEDtape in a straight line – 90° in relation to the PCB edges. Failure to do so can result in damage of the internal conducting paths. Use Weilight's official connection accessories to split, connect, bridge and re-seal the LEDtape.

**3**

Locate the accessories included in the LEDtape box. Puncture the seal of the tube using the backside of the tube cap. Screw the dispersion needle onto the tube. Cut the top of the needle at an angle of 45-60°.

**4**

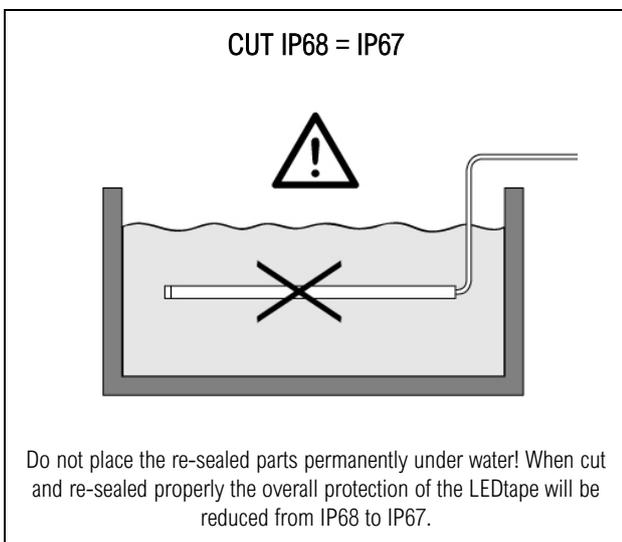
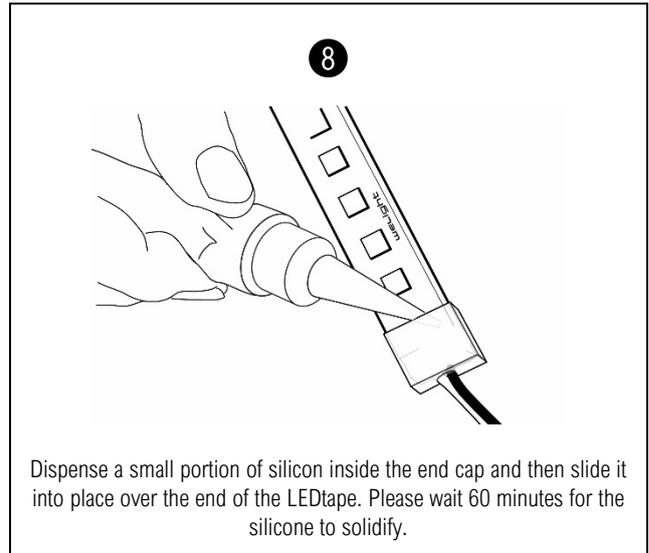
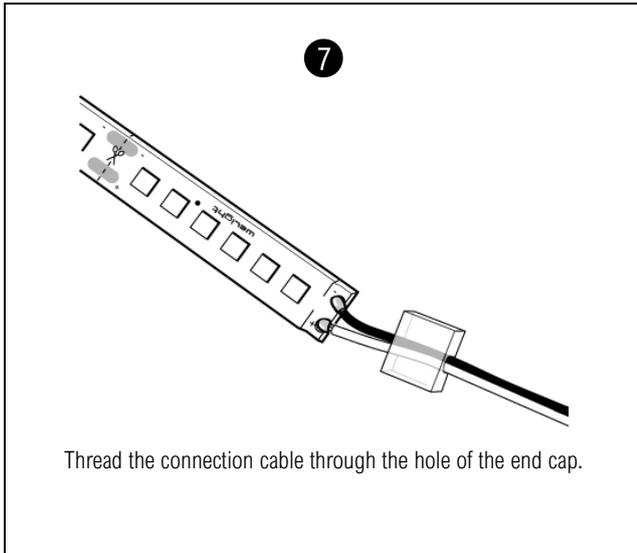
Dispense the silicone inside the open end of the LEDtape.

**5**

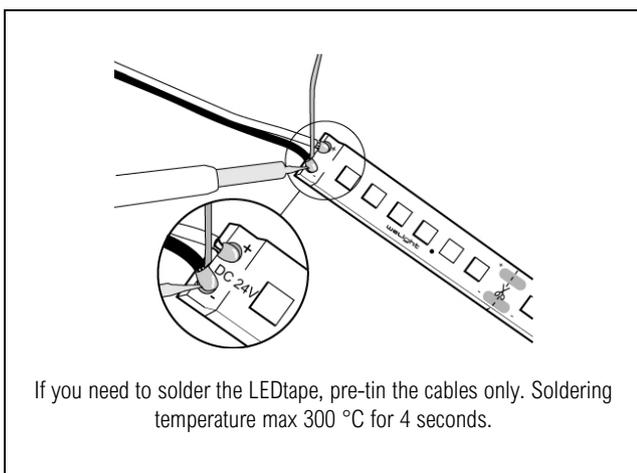
Then use your finger dipped in soapy water to smoothen out the opening creating a solid wall of silicon.

**6**

Using a sharp knife or blade, make a small hole in the end cap.



**SOLDERING**



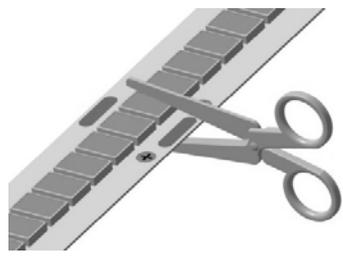
LEDtape Outdoor Series IP68

KOPPLINGS  
 DON  
 CONNECTORS  
 VERBINDER  
 CONNETTORI  
 CONECTORES



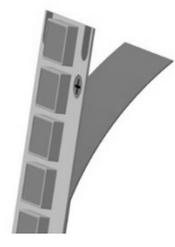
STRIP TO CABLE

1



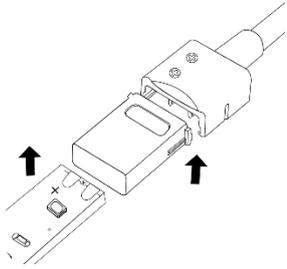
Cut the LEDtape in the middle of the solder pads.

2



Peel off approx. 1 cm of the adhesive tape from the back of the LEDtape.

3



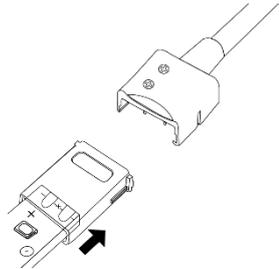
Position the connector sleeve to match the LEDtape with the hole facing upwards.

4



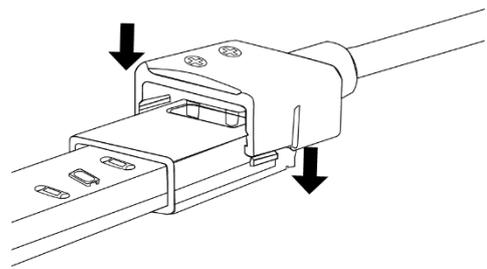
Use the included Silicon Tube to dispense silicon around the end of the LEDtape to facilitate the insertion into the connector sleeve.

5

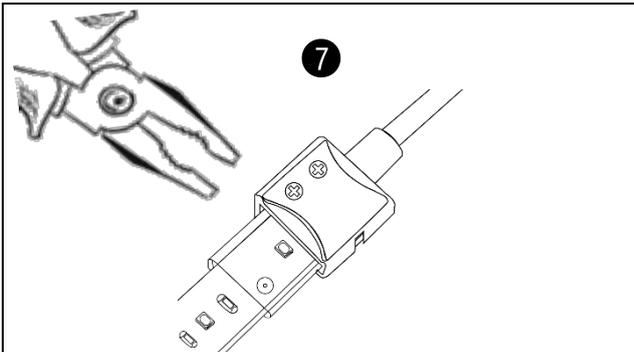


Push the lubricated end of the LEDtape all the way into the sleeve.

6



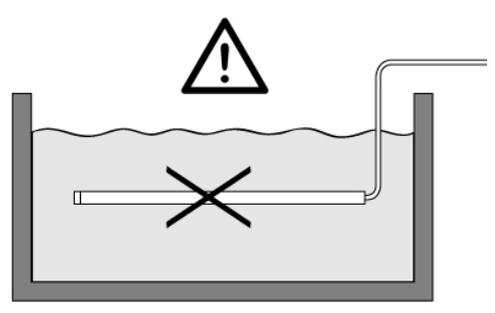
Put the cable connector on top of the sleeve and push downwards. Make sure you **match the POLARITY** of the LEDtape with the connector before locking the connector in place.



**7**

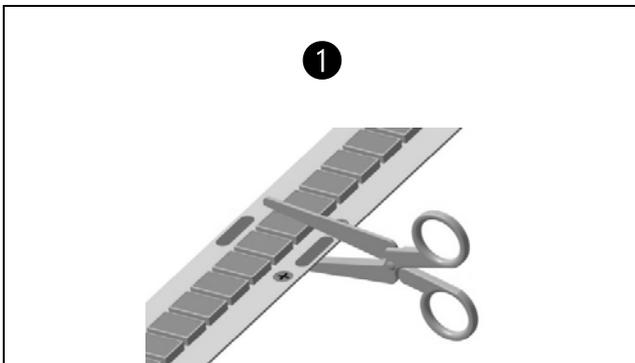
Use a pair of flat pliers to press down on each side of the cap until they lock in position. A "CLICK" can be heard when the pins are locked.

**LEDtape IP68 + Connectors = IP67**



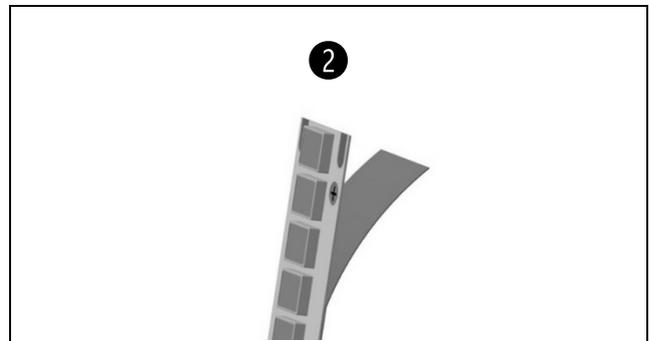
Do not use connectors permanently under water! When using connectors, the overall protection of the LEDtape will be reduced from IP68 to IP67.

**STRIP TO STRIP**



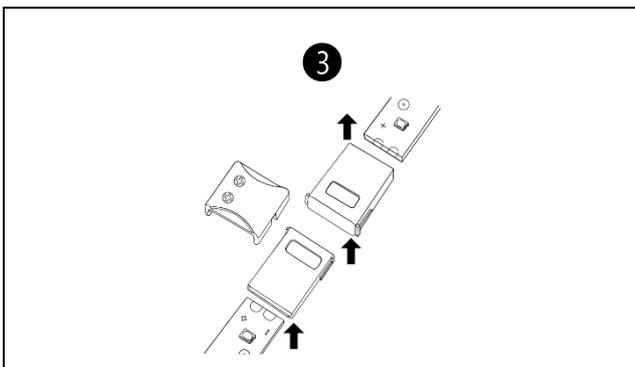
**1**

Cut the LEDtape in the middle of the solder pads.



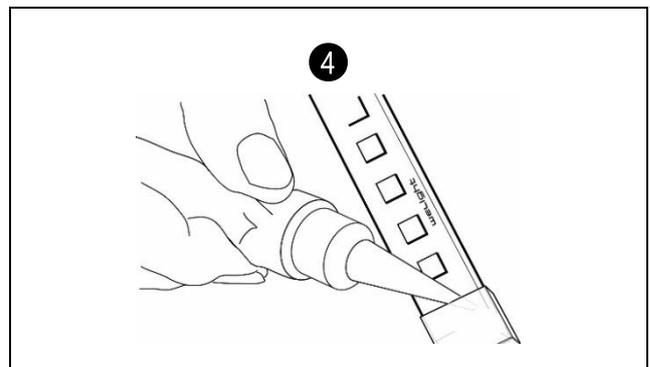
**2**

Peel off approx. 1 cm of the adhesive tape from the back of the LEDtape.



**3**

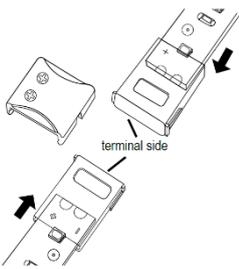
Position the connector sleeves to match both ends of the LEDtape with the holes facing upwards.



**4**

Use the included Silicon Tube to dispense silicon around the ends of the LEDtape to facilitate the insertion into the connector sleeves.

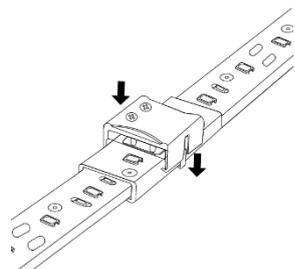
**5**



terminal side

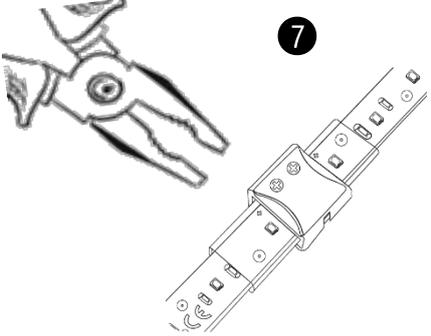
Push the lubricated ends of the LEDtape all the way into the sleeves.

**6**



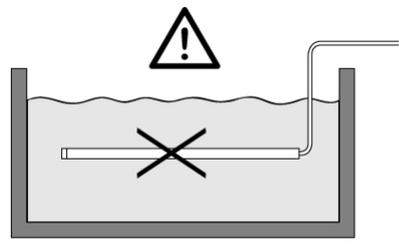
Put the bridge connector on top of the sleeves and push downwards. Make sure you **match the POLARITY** of the LEDtape with the connector before locking the bridge connector in place.

**7**



Use a pair of flat pliers to press down on each side of the cap until they lock in position. A "CLICK" can be heard when the pins are locked.

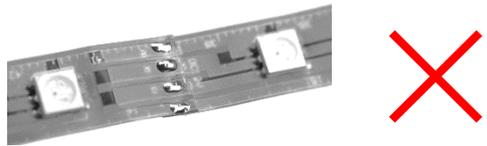
**LEDtape IP68 + Connectors = IP67**



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VIDEO TUTORIAL:

