

NEONFLEX10

-NEONFLEX10 1000 mm (APE-244/8010)

-NEONFLEX10 1500 mm (APE-244/8015)

-NEONFLEX10 2000 mm (APE-244/8020)



1. General description

NEONFLEX10 is a flexible LED linear luminous device, covered in silicone and installed inside an aluminum casing.

It emits a warm uniform and continuous light, with adjustable intensity, and it's suited for the signaling of obstacles, passages, doors and automated gates.

The device can be shortened exclusively in the designed cutting spots, placed every 50mm.

2. General warnings for installation and safety

The product must be used exclusively for its intended purpose; any improper use is dangerous and can cause damage and safety risks for the user.

Before any procedure the power supply must be unplugged and the installation, inspection and maintenance of the device must be entrusted to qualified personnel, in compliance with current regulations and the instructions compiled in this manual.

Do not open, modify or use the product if damaged. The packing materials must be kept away from children and disposed of according to local provisions.

3. Technical features

Name	Value
Power supply	24Vdc $\pm$ 10%
Light's temperature	3000 K
Luminous flux	486 lm
Adjustments of the light's intensity.	Dimmable through a compatible controller with a 24Vdc LED
Degree of protection	IP67
Wiring	100 cm Cable
Casing	Aluminum
Power	10 W/m
Use temperature	Da -25°C a +60°C
Dimensions (with casing)	30 x 13 x 1000 mm (APE-244/8010) 30 x 13 x 1500 mm (APE-244/8015) 30 x 13 x 2000 mm (APE-244/8020)
Minimum usable cut	50 mm

4. Dimensions

-NEONFLEX10 1000 – APE-244/8010

30 x 13 x 1000 mm

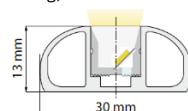
-NEONFLEX10 1500 – APE-244/8015

30 x 13 x 1500 mm

-NEONFLEX10 2000 – APE-244/8020

30 x 13 x 2000 mm

Section of the casing, common to all Neonflex models:



5. Note for the installer

- NEONFLEX10 must be powered by stabilized 24Vdc, through a constant tension supply with sufficient power.
- Before the installation verify the correct functioning of the device.
- Install the aluminum casing on a flat and stable surface, without any unevenness.
- Avoid places prone to water stagnation, dirt build-ups.
- Complete the electrical connections according to the current regulations, using suitable cables and guaranteeing properly insulated and safe connections.
- Before any intervention, unplug the power supply.
- After the installation verify the correct functioning of the device.

6. Mechanical assembly

Preparation and mounting of the casing

Cut the aluminum casing to the desired length using suitable tools, as to obtain a square clean cut.

Carefully remove any possible strings, chips or metal residues from inside the casing and the sides.

Mount the casing on a flat surface and stabilize it using suitable screws and, when needed, dowels. The screw heads must be flush to the surface or slightly embedded, to avoid damaging the luminous section.

Avoid too tight fastenings that could deform the casing.

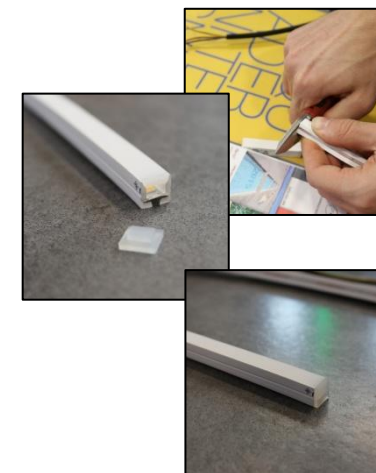


Shortening the device

NEONFLEX10 can be shortened exclusively in the designed cutting spots, placed every 50mm.

The cut must be completed on the opposite side from the power cable, in a clean manner, perpendicular to the length of the device.

After the cut, apply neutral silicon and close the extremity using the included cap, to preserve the IP67 degree of protection.



Inserting into the casing

Before inserting, check the correct functioning of NEONFLEX10 by temporarily connecting it to a 24 Vdc power supply.

Place the device in the casing's front slot by applying slight pressure, without dragging or sliding it.

Complete the assembly, applying the included terminals and verifying the correct fixing and alignment of the device.



7. Electrical connections

Before any procedure the power supply must be unplugged.

Connect NEONFLEX10 to a stabilized 24 Vdc power supply, with constant tension and suitable power for the total charge.

Follow the correct polarity of the conductors:

red: positive (+);

black: negative (-).

The brightness can be adjusted using a compatible dimmer for LED 24 Vdc devices. The regulator must be installed and connected according to the specific guidelines from its manufacturer.

Use only safe and insulated connections, avoid exposed joints that aren't protected from humidity.

At the end of the installation, plug in the power supply and check the correct functioning of the device.

8. Functioning modes

When powered by 24 Vdc, NEONFLEX10 emits a warm, uniform continuous light along its whole length.

The device is designed for the visual signaling of obstacles, passages, doors and automatic gates.

Do not turn on the device while rolled up, because the warmth produced could impair its correct functioning.

9. Information for the user

Use NEONFLEX10 exclusively for its designed purpose and check routinely the correct functioning of the device.

The product must be cleaned exclusively externally, while unplugged, with a dry or slightly humid cloth. Do not use aggressive detergents or jet of water directly onto the device.

Never turn on the device when rolled up, do not bend in a curve with less than a 150mm radius and do not twist it or bend it laterally.

It's forbidden to open, modify or try to repair the device. In case of malfunctions or damage, contact qualified personnel.

10. Warranty and Certifications

The warranty covers the device for 24 months past the purchase date. If during that time malfunctions imputable to manufacturing occur, the product will be repaired or exchanged, at the discretion of the warranty manager.

The warranty doesn't cover mechanical damages, damage caused by improper installation or use, leaks caused by incorrect sealing, failures caused by the user's intervention, weather or components subjected to normal wear and tear.

The recognition of warranty coverage for a defect doesn't give rights to any reimbursement or compensation for missing profits or closure periods.

Information about certifications and the product's conformity is listed in the technical

documents and in the manufacturer's declarations.



AB Tecno srl – Via Cicogna 95 – 40068,
S. Lazzaro di Savena (BO) – 051/6259580

info@abtecno.com

www.abtecno.com – www.abexo.tech