

ledix

LED lighting fitting NAVI



Surface mounting by means of double-sided adhesive tapes, glues or mounting screws



The fitting's protection level is suitable to be used outdoor

NAVI is a high quality LED fitting with decorative and application features. It is used for lighting corridors, passageways, for decorative lighting of furniture and lighting arrangement in the interior design.

The features of the fitting:

- easy mounting by means of double-sided adhesive tape or mounting glues,
- IP56 protection level enables mounting outdoor,
- excellent lighting parameters obtained by applying the highest quality LED diodes by CREE
- repeatability of the light colour
- high lighting output with minimum power consumption
- high quality and durability estimated to light continuously for five years (~40 000 h).

CAUTION:

- Power supplies of ZNP and ZNN series and of ZNM series in 14 V DC version by Zamel are dedicated to supply the fittings.
- Power supply should be adjusted to the number of powered fittings.



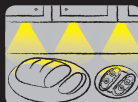
Application:



stairs



corridors,
passageways



furniture,
decorative lighting

zaMEL

14 V DC

LED lighting fitting

NAVI

IP56

ledix

zaMEL

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14 V DC; IP56
weight: 65 g



Declaration of Conformity
is on www.ledix.pl



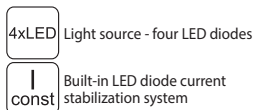
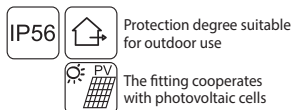
The symbol means selective collecting of electrical and electronic equipment. It is forbidden to put the used equipment together with other waste.

10-111 ENG Ver. 02

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TECHNICAL DATA

Supply voltage	14 V DC	
Power consumption	0,56 W - cold white	
	0,42 W - warm white	
Power consumption	0,28 W - red, green, blue	
	0,84 W - fitting with RGB LED diodes	
	cold white	warm white
Colour rendering index R_a	71	80
Colour temperature T_C [K]	5900	3100
Luminous flux Φ [lm]	37	24
Luminous efficiency [lm/W]	66	57



MOUNTING

CAUTION! The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions.

NAVI fitting is designed to be mounted by means of double-sided adhesive tapes, glues or mounting screws.

1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch-disconnector combined to the proper circuit.
2. Check if there is no voltage on connection cables by means of a special measure equipment.
3. Connect the 14 V DC power supply to 230 V AC.
4. Connect the output cables of the power supply with the fitting cables with proper polarity (red wire of the fitting means „+“ power).
5. In case of a fitting with RGB LED diodes the power supply output cables should be connected to corresponding terminals of the RGB controller. The RGB fitting cables with proper sequence should be connected with the RGB controller.
6. In case of mounting by means of a screw carry out the following activities:
 - a. make a hole in the mounting place and insert a wall plug,
 - b. tighten the screw in the wall plug so it protrudes about 3 mm,
 - c. mount the frame on the screw and move aside to block the frame's position. In case of a double-sided adhesive tape:
 - d. prepare the surface for the fitting to be mounted - the surface must be clean and dry,
 - e. apply the adhesive tape or the mounting glue to the mounted fitting,
 - f. press the fitting to the base in the target mounting place paying attention that the fitting is mounted in accordance with the indicated direction - this will allow to provide the IP level guaranteed by the manufacturer.
8. Switch on the power supply from the mains.
9. Check if the fitting works properly.



INSTALLATION EXAMPLE

NAVI fitting - single colour LED diodes

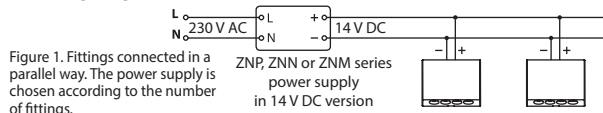


Figure 1. Fittings connected in a parallel way. The power supply is chosen according to the number of fittings.

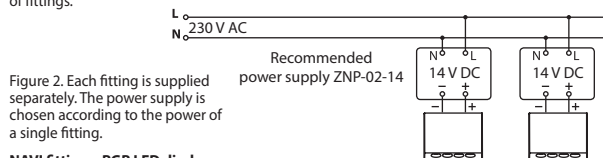


Figure 2. Each fitting is supplied separately. The power supply is chosen according to the power of a single fitting.

NAVI fitting - RGB LED diodes

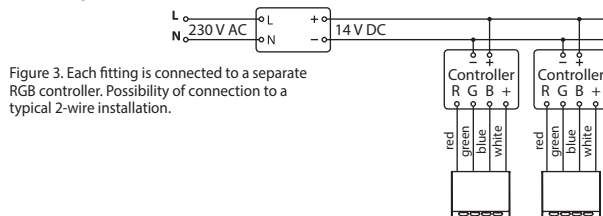


Figure 3. Each fitting is connected to a separate RGB controller. Possibility of connection to a typical 2-wire installation.

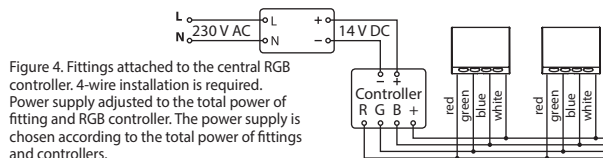


Figure 4. Fittings attached to the central RGB controller. 4-wire installation is required. Power supply adjusted to the total power of fitting and RGB controller. The power supply is chosen according to the total power of fittings and controllers.

CAUTIONS

- 14 V DC power supplies from the Zamel product offer (ZNP, ZNN, ZNM series) should be used to supply the fittings.
- Power supply must be chosen according to the amount of fittings and the way of their installation.
- The light source in fittings is not replaceable - if damaged, replace the entire fitting.
- In case of fittings with standard light colours, the red wire means „+“ power.
- Fittings with RGB LED diodes require an additional external RGB controller.
- One central RGB controller can be used for a few fittings (4 - wire installation) or a separate controller for each fitting (2 - wire installation).
- In case of RGB controllers, it is recommended to use the controllers from the Zamel product offer with the following symbols SLR-11, SLR-12, SLR-13.
- The manufacturer is not liable for damage caused by improper installation and use of the product.