

XX - XXX - XX

SERIA	Colours of light
01 MOZA	1 White cold
02 MUNA	2 White warm
03 TERA	3 Red
04 TICO	4 Green
05 TICO	5 Blue
06 TIMO	6 RGB
07 TIMO	
08 RUBI	
09 RUBI	
10 NAVI	
11 NAVI	
12 SONA	
13 SONA	
14 SONA	

Colours of casing
1 Aluminium
2 Stainless steel
3 Graphite
4 Old gold

Functionality
1 Standard
2 Built-in PIR motion sensor
3 Built-in battery backup
4 Built-in radio receiver
5 Built-in radio controller RGB

Power supply
1 14V DC
2 230V AC

Installation
1 Surface
2 Flash

1. The option of the motion sensor and twilight sensor is available in the following series of fittings: MOZA, MUNA, RUBI, NAVI.
2. The option of battery sustenance is available in the following series of fittings: MOZA, MUNA, TIMO, RUBI, NAVI (only in 14 V DC version).
3. The option of the built-in radio receiver is available in the following series of fittings: MOZA, MUNA, TIMO, RUBI, NAVI.
4. The option of the built-in RGB radio controller is available in the following series of fittings: MOZA, MUNA, TIMO, RUBI, NAVI.
5. The option of cooperation with photovoltaic elements is available in the series of fittings powered by 14 V DC voltage.
6. The option of RGB colours of light is available in the following series of fittings: MOZA, MUNA, TERA, TIMO, RUBI, NAVI, SONA.

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A lamp with a motion and twilight sensor

Some lamps of the MUNA, MOZA, RUBI and NAVI series are equipped with a motion and a twilight sensor. The motion sensor is based on a PIR type component and enables to switch on the lamp after motion has been detected in the sensor's detection field. It is switched on as long as the object remains in the operation field of the motion sensor. After the object has left the sensor's detection field, the lamp is still switched on for t=2÷35 seconds, it depends on the potentiometer's time adjustment. The twilight sensor switches on the lamp only at a specified luminous intensity. The twilight switch sensitivity can be adjusted in the range of 2÷20 lx by means of a Lux potentiometer, which enables to adjust precisely the „twilight level”. The selected lens is placed in a lamp in such a way, to ensure optimal motion detection and especially when we take into account the specific mounting of lamps in corridors and staircases. Motion is detected from the distance of 2÷3 meters off the lamp at the angle of 120°. The lamps with a motion sensor are equipped with an additional dry contact normal open with a maximum capacity of 3A. This makes the mounting of simple lighting control systems easy in corridors.

Lamps with battery backup

The selected lamps of MUNA, MOZA, TIMO, RUBI and NAVI series are equipped with a built-in battery backup. This function allows the lamp to operate constantly even after power supply voltage decay. The above function is available only for lamps of 14 V DC. Battery backup is based on NiMh type batteries, which fully charged, allow the lamps to operate for about 1,5 h from the moment of power supply voltage decay. The batteries are charged for about 10 hours after power supply voltage is on and charging is controlled by the electric circuit. The battery backup function can be active or no, it depends on the connection. Apart from the battery backup the lamp switch on / switch off is possible by means of a typical bistable switch.

Lamps with a built-in radio receiver

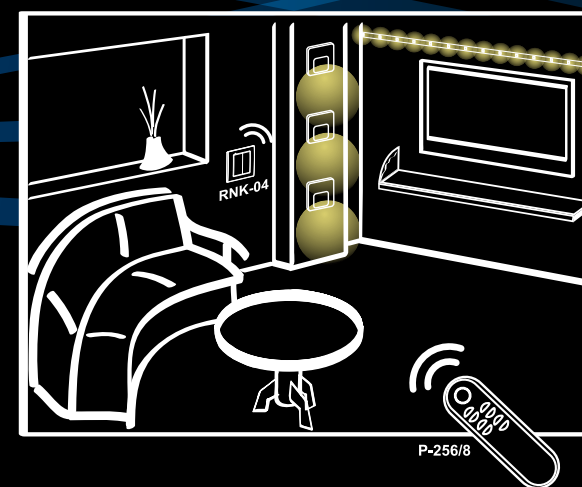
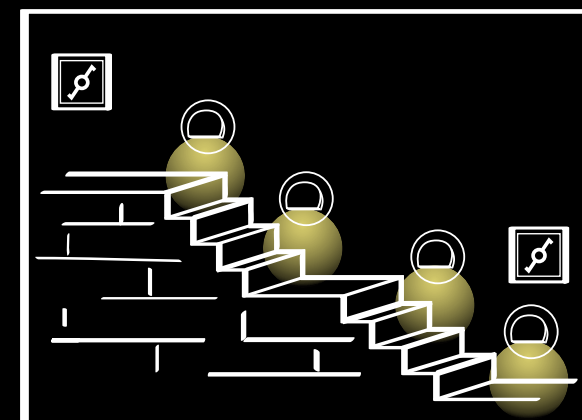
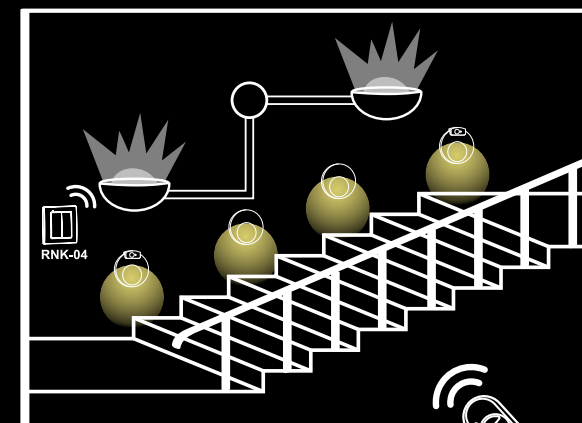
The selected LED lamps of MUNA, MOZA, TIMO, RUBI and NAVI series are equipped with a built-in radio receiver cooperating with selected transmitters of EXTA FREE wireless control system (www.extafree.pl). The lamps are available in two versions: 14 V DC and 230 V AC (the radio receiver operates on the frequency of 868,32 MHz). The transmission includes addressing in order to exclude interruptions of several lamps and eliminate their accidental switching on/switching off. 32 different EXTA FREE system transmitters can be added to a single lamp.

Lamp with built-in RGB radio controller

The selected LED lamps of MUNA, MOZA, TIMO, RUBI and NAVI series with LED RGB diodes version are equipped with a built-in RGB radio controller. The controller cooperates with selected transmitters of EXTA FREE wireless system (www.extafree.pl) and with RGB P-260 dedicated remote control. The lamps are available in following versions: 14 V DC and 230 V AC. The RGB radio controller, which is built in lamps, operates on the frequency of 868,32 MHz. The transmission between a transmitter and a receiver is protected by a suitable addressing. 32 selected transmitters can be added to a single lamp. Transmission between a transmitter and a receiver is led in a way to prolong the battery life in the transmitter to the maximum, and it is about 3 to 5 years.

Cooperation of the LEDIX series lamps with photovoltaic cells

The LEDIX series lamps (14 V DC version) are ideal in a direct cooperation with PV photovoltaic cells, which convert the solar energy into electrical energy. The connection of photovoltaics with hermetic seal of the LEDIX series lamps results in their wide range of application in gardens, summerhouses, holiday homes and other places where electrical installation is troublesome or even impossible.



INTELLIGENT
LED LIGHTING

ledix

Company Cet Lighting Sp. z o.o. wants to present you a modern group of lighting products under the common name of LEDIX. LE-DIX series is a modern line of LED fittings, supplemented by power supply and controlling devices. The LED fittings are distinguished by their high-grade form and wide range of colours, enabling great possibilities with regard to arrangement of spaces located both indoors and outdoors (e.g. lighting of halls and corridors, building façades and furniture). The controlling devices, together with the selected LED fittings, enable creation of applications having diverse functionality::

- turning on and off by means of the motion sensor installed into the LED fitting;
- controlling the colour or intensity of lighting via radio using a remote controller or a button;
- sustaining lighting by means of the built-in batteries during blackout..

The distinguishing features of LEDIX series in comparison to other LED fittings of this type are:

- high level of IP protection, possibility of using selected fittings outdoors;
- power supply using 14 V DC, 230 V AC and by means of a photovoltaic set;
- the possibility of embedded and unembedded mounting;
- availability of wide range of colours of fittings and colours of light.

Pictograms

	Supply voltage: 10÷14 V DC / 14 V DC / 230 V AC
	Battery backup: 3 x AAA (R03)
	Installation: outside building / indoor only
	Installation: surface / in a hole or in a gang box Ø=60 mm
	Installation: on a TH-35 DIN rail / in a gang box Ø=60 mm
	Protection degree: IP20 / IP44
	Protection degree – protection from dust and heavy water jets - minimum IP56 connection is required
	LED number making up a source of light: 2 / 4
	Built-in PIR motion sensor / Built-in twilight switch
	Built-in radio receiver co-operating with EXTA FREE transmitters
	Built-in radio controller RGB
	Built-in battery backup: 1,5h
	Co-operation with PV solar system
	Casing with RGB diodes
	Brightening/dimming functions
	Compatibility with a potentiometer working within the 1 ÷ 10 V standard
	Protection class: II / III
	Safety transformer resistant to short-circuit
	Independent converter - an electronic transformer with a possibility to use apart from a lighting set
	Cooperation with EXTA FREE transmitters

LED LAMPS

MOZA



Available versions of fittings

MUNA



Available versions of fittings

TERA



Available versions of fittings

TICO



Available versions of fittings

TIMO



Available versions of fittings

RUBI



Available versions of fittings

NAVI



Available versions of fittings

SONA



Available versions of fittings

LED CONTROLLERS

Monochrome controllers



SLR-01
radio/wire
control



SLR-02
potentiometer 1÷10 V
control

RGB controllers



SLR-11
radio
control



SLR-12
wire
control



SLR-13
potentiometer 1÷10 V
control

DALI controllers



SDL-01
monochrome
controller



SDL-11
RGB
controller

RGB amplifiers



WLN-01
output loading capacity
3 x 4 A



WLP-01
output loading capacity
3 x 2,5 A

Junction box receiver



ROP-03
two relay
outputs



ROP-04
three MOSFET power
outputs

Touch switch



WDN-01
10 ÷ 14 V DC
with PWM output
and relay output,
light dimmer function
is available



WDN-02
230 V AC
with relay output

Touch remote control



P-260
with additional light
dimmer function
and function of fluent
and step change of colours

Radio control set



SLR-11P
P-260 touch remote control and the RGB radio controller SLR-11

LED POWER SUPPLIES

Junction box



ZNP-02-14
Power: 2 W



ZNP-08-14
Power: 8 W

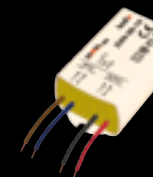


ZNP-15-14
Power: 15 W

12 V versions are also available:
ZNP-02-12, ZNP-08-12, ZNP-15-12

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Surface mounting



ZNN-08-14
Power: 8 W



ZNN-15-14
Power: 15 W

12 V versions are also available:
ZNN-08-12, ZNN-15-12

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Modular



ZNM-08-14
Power: 8 W



ZNM-10-14
Power: 10 W



ZNM-15-14
Power: 15 W

12 V versions are also available:
ZNM-08-12, ZNM-10-12, ZNM-15-12

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Solar systems and controller



SOL-10 with 10 W
SOL-20 with 20 W



SSL-01

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TRANSFORMERS

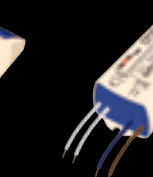
Electronic transformers



ETZ50
Standard version
Power: from 0 to 210 W



ETZ60
Standard version
Power: from 0 to 210 W



ETZ70
Standard version
Power: from 0 to 210 W



ETW50
Hermetic version
Power: from 0 to 210 W



ETW60
Hermetic version
Power: from 0 to 210 W

ETW70
Hermetic version
Power: from 0 to 210 W

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