



SL PETROL N-S

13 800



...visible difference

SL PETROL N-S 13 800



Best choice for:

- lighting of gas station shelters
- lighting of subways and tunnels
- also suitable for lighting of sports fields

Characteristic features of the product:

- very wide customization options starting from just one piece
- **7 year** warranty - possibility of arranging individual warranties
- use of high-quality diodes from the Japanese manufacturer Nichia
- the luminaire does not flicker and has a pleasant daylight for the eyes
- the luminaire has high mechanical resistance up to IK09

Customization options:

- dimensions of the luminaire, its color according to the RAL palette
- method of attachment, types of holders and suspension systems
- connection of the luminaire via various types of connectors or custom-made cable lengths
- light temperature 2000-6500 K with CRI 70-99, possibility of combining colored light
- diffusion glass and foil
- light, motion, temperature sensors and others
- various dimming and luminaire control systems

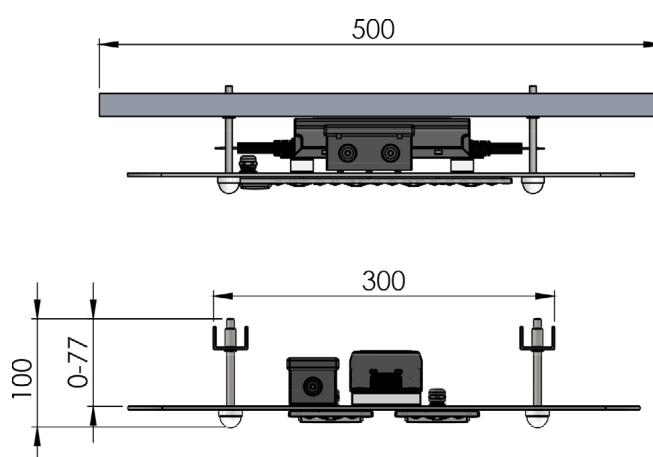
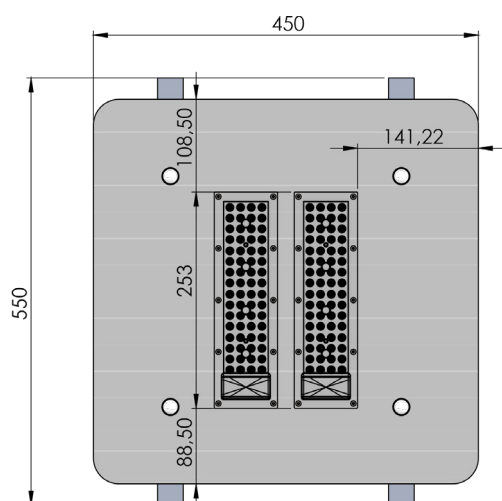
Technical parameters

assembly	using mounting rails, hanging and other
weight	to 4,6 kg
dimensions	see drawing with dimensions below
IP protection	IP65
mechanical resistance	IK09
body lamp material	aluminium alloy, polycarbonate Makrolon + PC
working temperature	from -30°C to +50°C
cooling	passive aluminium luminaire body
input voltage	90 V-264 V, 50/60 Hz*
protection class	I.
surge protection	4 kV, 6 kV, 10 kV*
power factor	> 0,97
input	to 88 W
LED number and type	128 pcs (NICHIA typ Mid-Power, made in Japan)
beam angle	30°, 60°, 90°, 120° (and others)
LEDs lifetime (Ta 25°C)	> 100 000 h / L90 / B10
color temperature	2000-6500 K
CRI (color rendering index)	CRI70-90+
luminous flux**	14 100 lm (by 4000 K, CRI 80)
specific luminous power**	160 lm/W
UV and IR radiation	none
light control systems	to order: DALI2, 0-10V, 1-10V, PWM, WiFi, Bluetooth Casambi and others

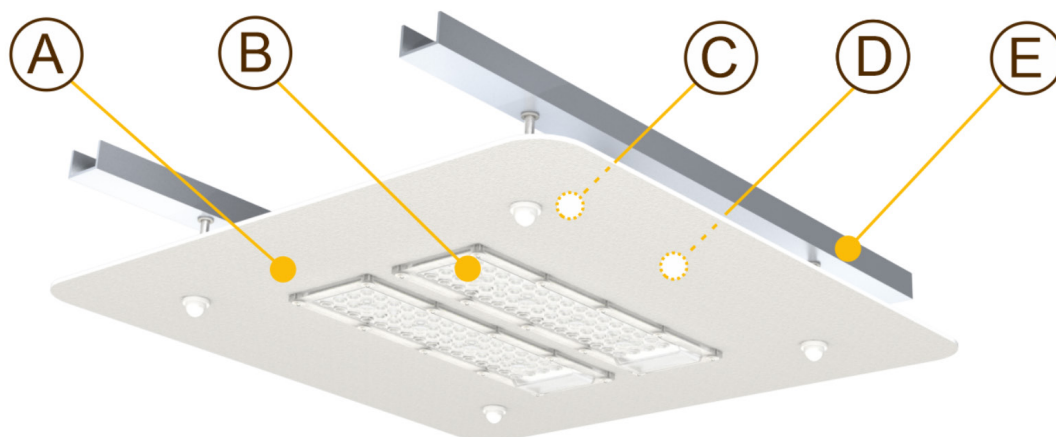
* according to the luminaire design

** depends, among other things, on the light temperature and CRI of the diodes used and is within a tolerance of +/- 10%

Dimensions

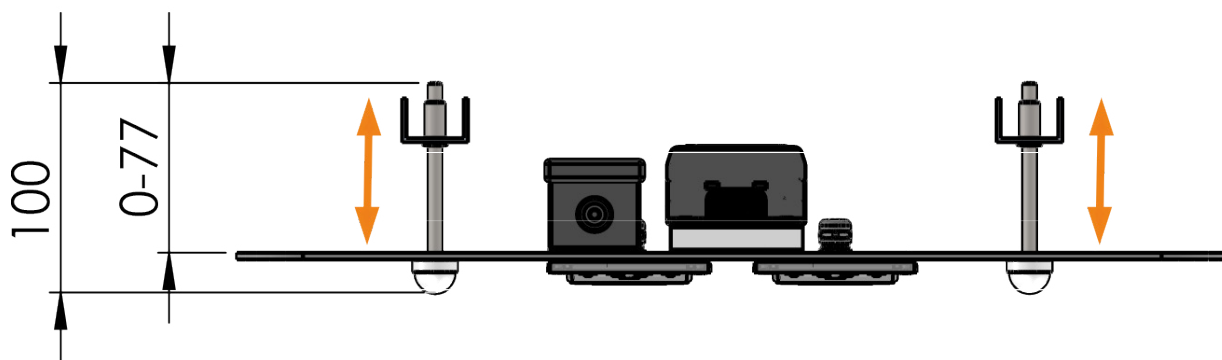


Construction



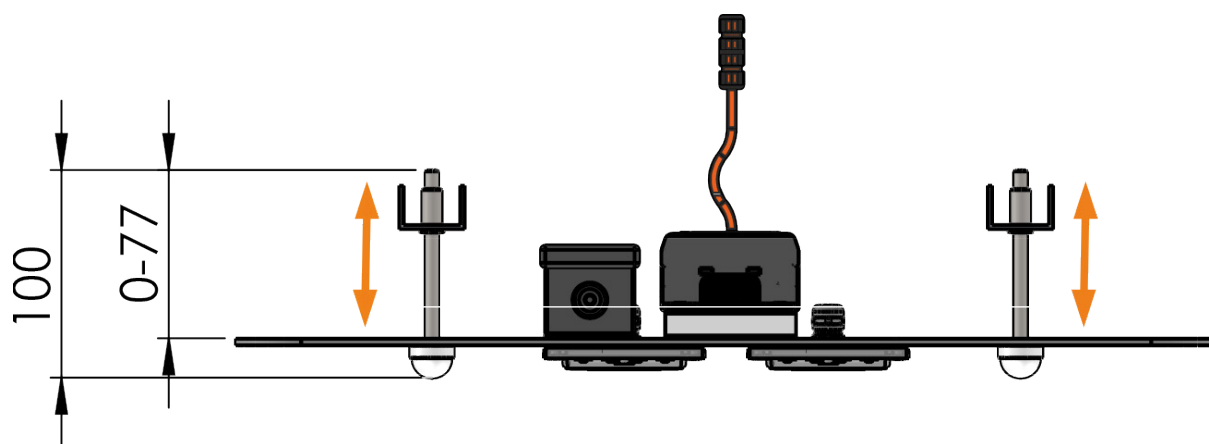
- (A) The supporting part of the luminaire is an anodized aluminum body, the function of which is to ensure good cooling of the heat generated by the LED diodes. Upon request, the luminaire can be powder-coated in a selected RAL shade. When mounted in openings (for example, in gas station shelters), the luminaire body also serves to cover the opening. The size of this supporting part and the cover plate can be adjusted to the dimensions of the opening.
- (B) The light part consists of Mid-Power LED diodes from the Japanese manufacturer NICHIA. We offer you different light temperatures and CRI. After the service life, it is possible to replace the used LED diodes. LED diodes - modules are protected by silicone varnish, lenses.
- (C) In the luminaire, we use high-quality and time-tested power supplies of various types depending on the design of the luminaire (dimming, etc.). We offer the option of increasing the surge protection to 10 kV.
- (D) The luminaires can be supplemented with motion and light sensors. We use various dimming and light control systems on request, the most common are 0-10V, DALI2, Bluetooth, PWM, WiFi and others.
- (E) The luminaire is connected to a cable with an IP68 connector. The cabling and connector types can be customized according to your needs.

The luminaire is mounted using practical rails that serve to easily anchor the luminaire in the opening. The luminaire is then securely tightened to the ceiling with the lower screws and covers the opening in which it is inserted. These mounting rails can be customized.

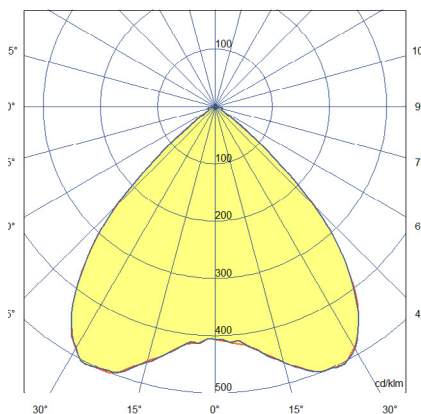


Connecting the luminaire

Custom-made cable with IP68 connector (more information about the connector [here...](#))



Optics



most commonly used beam angle 90°



beam angle on request

Environmental protection:

eco

Ecology isn't just a slogan for us, we take ecology in the whole production process into consideration. Long lifetime and high efficiency saves markedly natural resources. Tailored beam angle minimalizes light smog and also saves costs for lighting.



After years, we will be happy to refurbish the lamp for you if there is wear and tear.



The construction of the lamp is made of recyclable materials.

CO₂

In addition to the high-quality LED diodes made in Japan, all components of the lamp are mainly produced in Slovakia and the EU.

warranty
7
years

We use the highest quality commonly available components for the production of the lamp. Confirmation of quality is an above-standard up to 7 year warranty with the possibility of extension.

high
efficiency
lm/W

The high efficiency has of course direct relation with energy and natural resources savings.



Our lamps do not emit harmful UV and IR radiation, what confirms also photo-biological tests.

Thank you for your interest in our LED lamps.