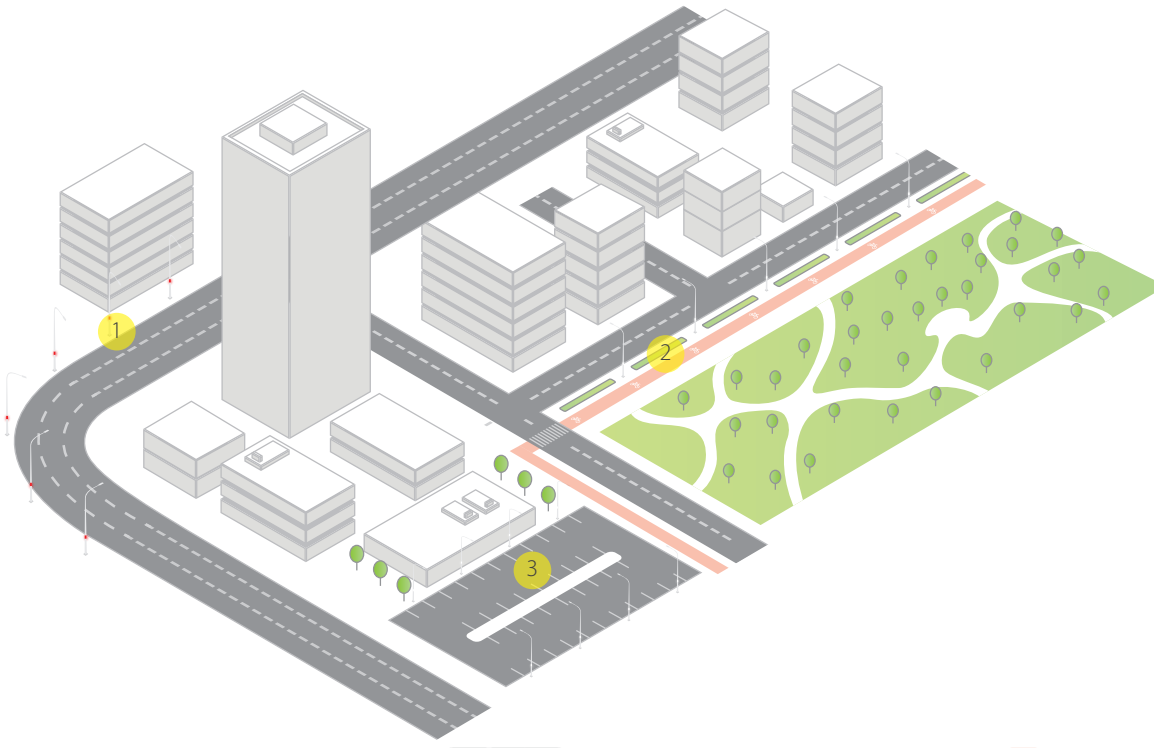
EDGE LED

- latest technology
- multi-functionality (lighting, warning, informing, navigation)
- durable and solid construction
- highly productive and efficient LED light sources
- LED light source life-time of 50 000 hours (L90F10)
- wide luminaire operating temperature range from -40° C to + 55° C

Application

1. Dangerous places (sharp turns)
2. Cycle paths
3. Parking areas



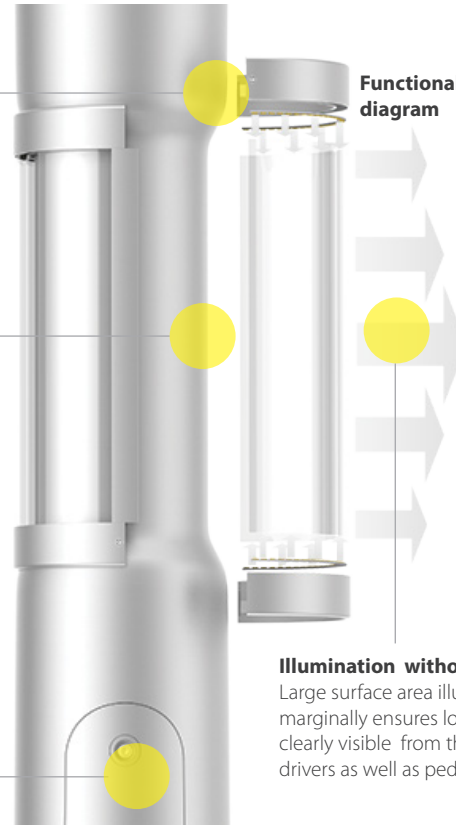
Features

LED light source
Installed in half-ring shapes high-performance LED modules with 3500K warm white and neutral white - 5000K and in an alternative range of colours (blue, red, green)

Smooth design
Built in the contour of the poles provides aesthetic design and solid construction

Driver Philips Xitanium:
DC, high-performance driver with 7 programmable functions according to customer requirements

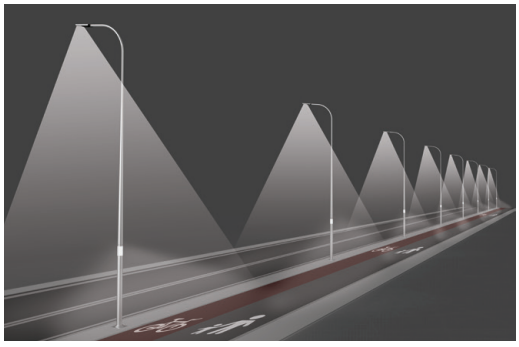
Programmable time profiles
The driver function with maximum 5 power levels in the range from 10 to 100% rated power in the selected luminaire operating time



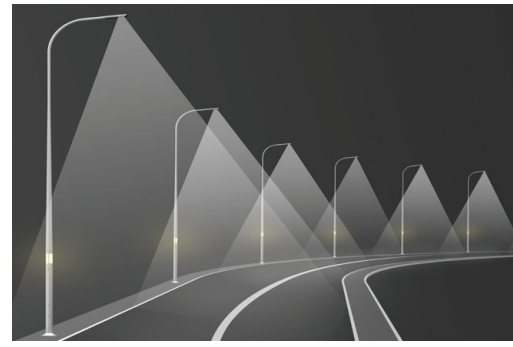
Functional diagram

Illumination without glare
Large surface area illuminated marginally ensures low glare, it is clearly visible from the distance for drivers as well as pedestrians

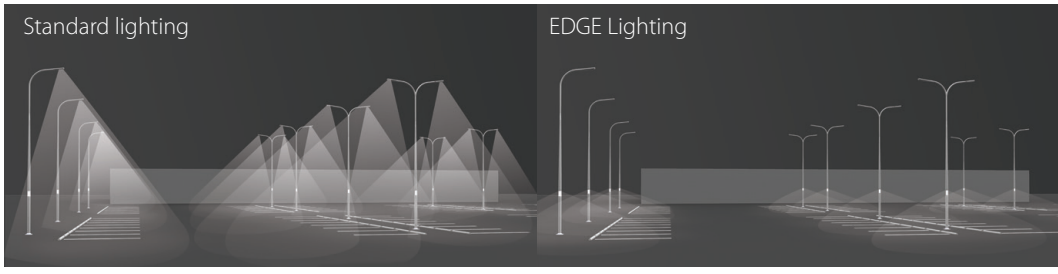
Lighting sidewalks and bicycle paths



Light spatial navigation



Save energy with EDGE technology



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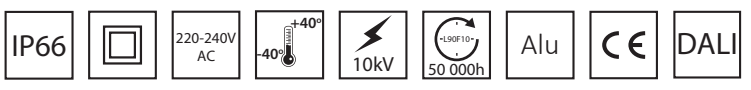
Our inspiration was IT industry using backlight edge lighting mainly in displays construction - (TVs, Smartphones, tablets).



Technology and operation

ROSA EDGE diffusers are made of polymethyl methacrylate (PMMA) with add-ons of spherical grains. Thanks to illumination of the upper and / or lower edge of the transparent diffuser, light is being transmitted uniformly

Functions

- pavement lighting (increased pedestrians safety)
- decorative element making the surrounding stand out
- carrier of information determining urban zones (eg. parking places, pedestrian crossings traffic lights)
- spatial navigation light (e.g. dangerous turns signs)
- increased driving comfort and safety of traffic members thanks to applicable LEDs colour

Environmentally friendly production and usage

Systems of reducing the consumption and cleaning guarantee the ecological model for manufacturing process of EGDE LED. Aluminium housing 100% recyclable. LEDs used do not emit UV infrared radiation. They achieve light efficiency up 90lm /W. They consume less energy compared to traditional light sources resulting in reduction of CO_2 emission.

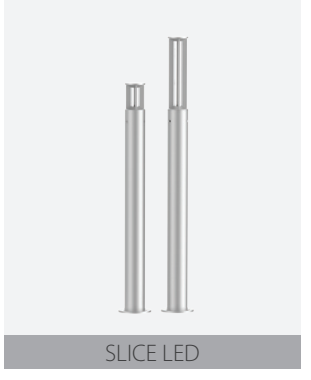
Edge lighting in parks

FLARE LED and LED SLICE as a part of Edge Lighting family are made of anodised aluminum lighting poles with height of 1000 - 1300 mm and are dedicated for parks, squares, residential streets , car parks, etc.

FLARE LED has single or double light diffusers (Ø150 mm). Double light diffuser allows suitable configuration of different lighting effects available in the following colours (white, natural , warm white, red, green, blue).

SLICE LED has a single light shaft shaped diffuser (Ø 40 mm) in length of 100 or 300 mm


FLARE LED


SLICE LED