



## PUBLIC LIGHTING

- ELEKTRO-LUMEN lamps with wide application
- Excellent optical properties
- Long lifetime
- Resistance against vandalism
- Fast and easy installation

### General Description

Lamps are designed for illumination of expressways, highways, local communications, municipal estate, historic monuments, tunnels, sports grounds, or as supplementary lights for pedestrian crossings. They have excellent optical properties and are resistant against vandalism.

Maintenance and installation is fast and easy. Long lifetime is guaranteed by selected material – aluminium body, polycarbonate diffuser or a diffuser from tempered safety glass and stainless steel clip.

### Public Lighting of Roads and Municipal Estate

For lighting of streets, parking lots, pedestrian zones and city parks in cooperation with ELEKTRO-LUMEN company we offer:

- two part aluminium lamps CALLISTO IP54/65 for 100–250 W high-pressure sodium discharge lamps, or metal-haloids discharge lamps with a ceramic burner
- aluminium street lights TITANIA IP65 for 50–150 W high pressure sodium discharge lamps, compact fluorescence tubes 57 and 70 W, or metal haloid's discharge lamps with a ceramic burner



CALLISTO lamp



TITANIA lamp

- aluminium bicameral lamps IVC IP23/54 for 70–100 W high pressure sodium discharge lamps, or metal haloids discharge lamps with a ceramic burner.

In general lamp construction consists of two parts. The optical part includes aluminium polished pressed piece – reflector and transparent diffuser made of plastic polycarbonate, or tempered glass. The electrical part is installed on the assembly metal sheet fastened by bayonets or the aluminium clamp. The exchange of a light source can be carried out without tools in couple of seconds.





The lamp is installed to 42–60 mm diameter cantilever beam, or to a stem of a lamp pole.

The lamp can be equipped by a reducer of sodium or mercury discharge lamps of a nominal output.

### Illumination of Historical Monuments, Tunnels and Sport Grounds

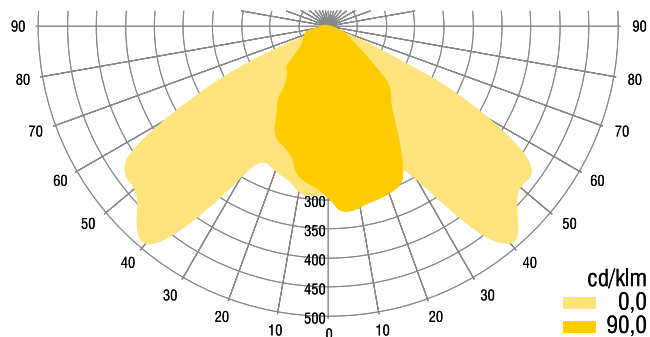
NEREIDA lamps are designed for illumination of distinguished objects and architectonic monuments.

Their body and hood are manufactured from aluminium pressed piece varnished by dust paint. Optical system includes aluminium reflectors according to specific illumination requirements. Diffuser is made of tempered safety glass.

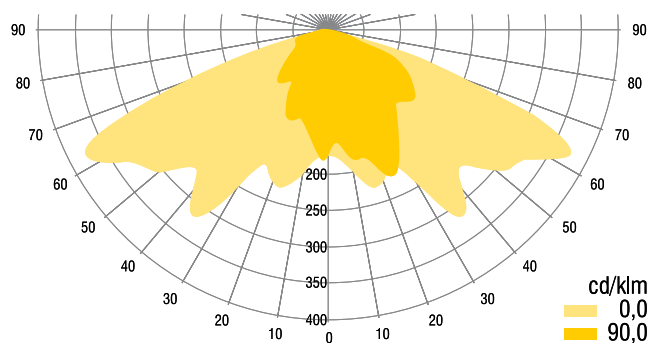
For the attachment the lamp body is fitted by a firm aluminium stirrup with a possibility of setting a tilt accurately. As an accessory a screening grate and a protective grid are supplied.

### Supplementary Illumination for Pedestrian Crossings

Lamp body IVA-Z designed for pedestrian crossing is cast from aluminium alloy. To obtain required positive contrast of a person at the pedestrian crossing against a dark background the optical system is formed by polished aluminium sheet of special construction. Lamp body is equipped by metal haloids lamps, in order to meet next condition – other colour rendering. For more details see „High-lighting of pedestrian crossings“.



CALLISTO 250S luminosity curve



TITIANA 150S luminosity curve