



# SL street-A 13 650



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### Usage areas

- street lighting and pedestrian crossings
- parking lots and parks
- industrial areas

### Product characteristics

- possibility of production with **tailored beam angle**, including a combination of multiple optics in a single lamp; tailored beam angle minimizes light smog and saves your costs
- the latest generation of LEDs from the Japanese company **Nichia**
- luminous efficacy up to **149 lm/W** (after deducting losses on power supply and optics)
- custom lamp production and adjustment of many parameters such as color temperature, CRI, dimming, etc.
- up to **5 years** warranty (possibility of extension to 10 years)

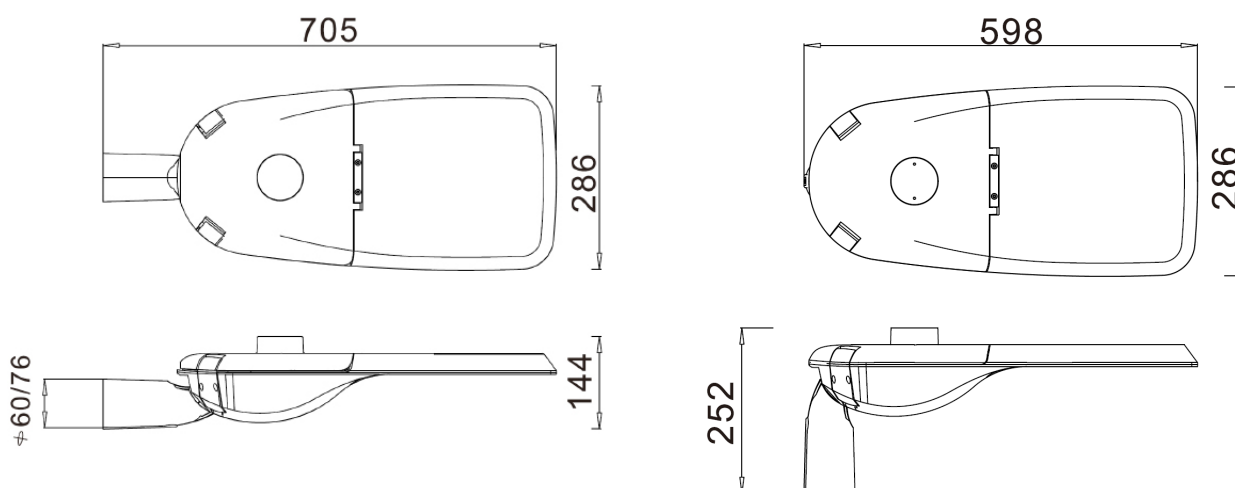
## Technical parameters

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| installation                | standard for pole or boom with a diameter 60 mm (alt. 76 mm)                                                |
| weight                      | 6,9 kg                                                                                                      |
| dimensions                  | 598/705* x 286 x 144/252* mm                                                                                |
| IP protection               | IP66                                                                                                        |
| mechanical resistance       | IK09                                                                                                        |
| body lamp material          | aluminium, tempered glass                                                                                   |
| working temperature         | from -35°C to +50°C                                                                                         |
| cooling                     | passive, with aluminium body lamp                                                                           |
| input voltage               | 90 V-264 V, 50/60 Hz                                                                                        |
| protection class            | I.                                                                                                          |
| surge protection            | 10 kV                                                                                                       |
| power factor                | > 0,97                                                                                                      |
| LEDs input                  | to 80 W                                                                                                     |
| lamp input                  | to 88 W                                                                                                     |
| LEDs number                 | 128 pcs (NICHIA, made in Japan)                                                                             |
| LEDs lifetime (Ta 25°C)     | > 100 000 h / L90 / B10                                                                                     |
| color temperature           | 2000-6500 K                                                                                                 |
| CRI (color rendering index) | 80-95                                                                                                       |
| LEDs luminous flux**        | 14 590 lm (by 4380 K, CRI 80)                                                                               |
| lamp luminous flux**        | 13 100 lm (by 4380 K, CRI 80)                                                                               |
| luminous efficacy**         | 149 lm/W                                                                                                    |
| UV and IR radiation         | none                                                                                                        |
| light control systems       | custom-made: DALI2, 0-10VDC, 1-10VDC, PWM, CLO, chronoSTEP, sensorMODE, inputDIM, MainsDIM, Powerline, etc. |

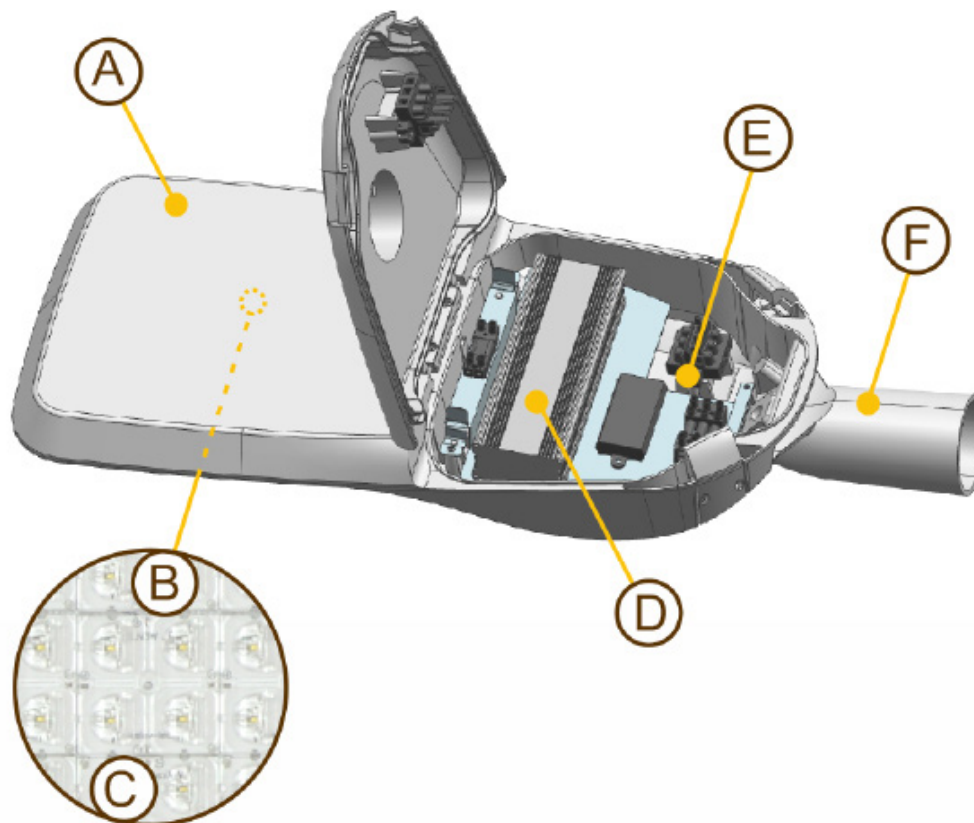
\* depending on how the mounting flange is fitted, see pictures below

\*\* depends, among other things, on the LEDs temperature and their CRI and is within a tolerance of +/- 10%

## Dimensions



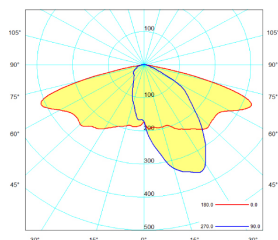
## Body lamp construction



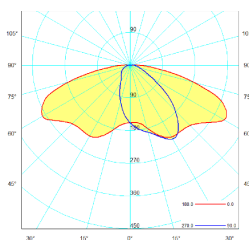
- (A) The base and supporting part of the lamp are made of aluminum casting with tempered glass. We produce it in the METAL GRAY shade as standard. On request, the body can be powder coated in any RAL shade. With the help of clips, the body is opened without the use of tools.
- (B) The heart of the lamp are LED modules manufactured by our company with LEDs from the Japanese company Nichia. In the lamp can be used LED modules with LEDs of different color temperatures and CRI. The modules mounted in the lamp are interchangeable.
- (C) The great advantage of our offer is the production of LED lamps with tailored beam angle. We have more than 20 types of optical lenses at our disposal, thanks to which we can illuminate exactly the space you need. The possibility of combining several optics in one lamp is a matter of course.
- (D) A reliable power supply is an important part of a quality lamp. Depending on the version and lighting control, we use power supplies from Tridonic, Osram and Mean Well.
- (E) To order, we can supplement the lamps with lighting control systems such as DALI, PWM, 0-10VDC, 1-10VDC, CLO, chronoSTEP, sensorMODE, inputDIM, MainsDIM, Powerline and others.
- (F) The mounting flange of the lamp is standardly mounted on a pole or boom with a diameter of 60 mm (alt. 76 mm). The adjustable position of the flange allows mounting vertically and horizontally with an additional inclination of +/- 5, 10 and 15 degrees.

## Optics

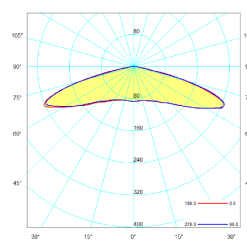
Tailored beam angle minimizes light smog and saves your costs. Below we list only some of the most used types of optics in our lamps. We have more than 20 types of optics for address lighting according to your ideas.



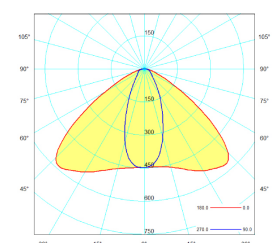
A1S



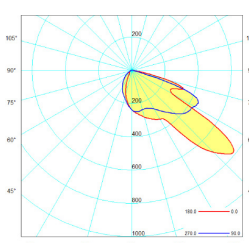
A2S



A3S



A4P



A5P



beam angle to order

## Enviromental protection



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.



The construction of the lamp is made of recyclable materials. The service life of the lamp after years can be extended by replacing the light source or power supply if they become worn.



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.



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.