



SL slim L

2 000



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since
2003

custom
made

made in
Slovakia

warranty
5
years

NICHIA
LEDs

high
efficiency
lm/W



Usage areas

- advertising spaces, billboards
- illumination of monuments and statues, architectural lighting
- lighting of machines and working spaces
- sport centers

Product characteristics

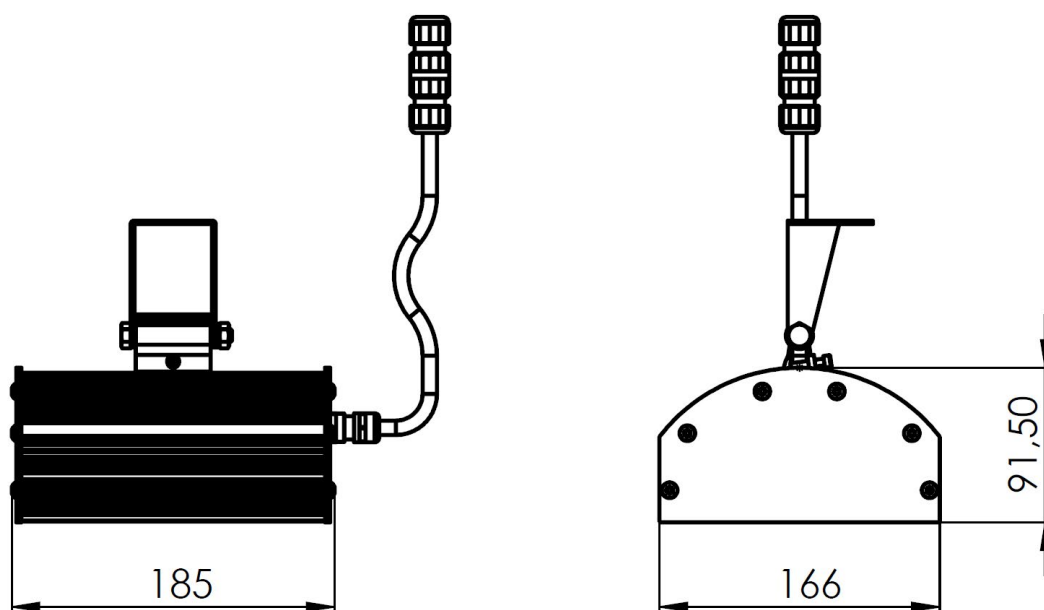
- possibility of light production with **tailored beam angle**, including combination of several optics in one light; tailored beam angle minimalizes light smog and saves your costs
- newest generation of LED diodes from japan company **Nichia**
- real luminous efficacy up to **131 lm/W** - high energy saving
- up to **5 years** warranty

Technical parameters

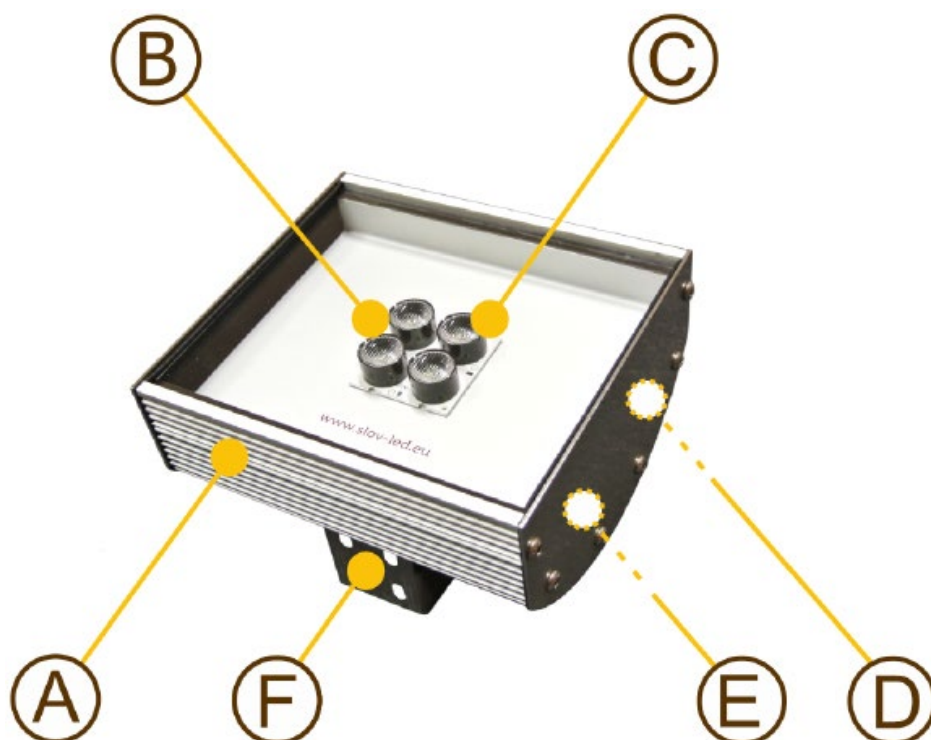
installation	holders, chains, ropes
weight	to 2,3 kg
dimensions	185 x 166 x 91,5 mm
IP protection	IP66
mechanical resistance	IK10
corpus material	aluminum, Makrolon or glass
working temperature	from -30°C to +50°C
reflector cooling	passive, with aluminum reflector corpus
input voltage	90 V-264 V, 50/60 Hz
power factor	> 0,95
diodes input	to 12 W
reflector input	to 14 W
diodes number	4 pcs (NICHIA, made in Japan)
beam angle	8° - 155°
lifetime	> 100 000 h / L70
color temperature	2700-6500 K
CRI (Color rendering Index)	70-95
diodes luminous flux*	2 000 lm (by 4500 K, CRI 70)
reflector luminous flux*	1 840 lm (by 4500 K, CRI 70)
luminous efficacy*	131 lm/W
UV and IR radiation	none
light control systems	for order: DALI, 0-10VDC, 1-10VDC, PWM, WiFi, Apollo, esave, IoT and others

* depends among other things also from temperature and CRI of used diodes and is in toleration +/-10%

Dimensions



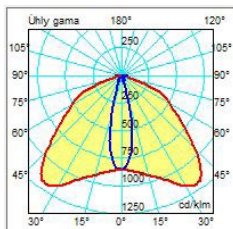
Construction



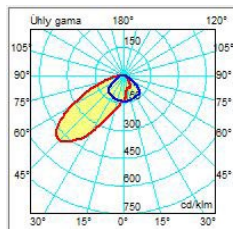
- (A) Reflector carrying part is anodized corpus from aluminum, which function is to ensure good cooling of the generated heat from the LED diodes. On order is possible to powder paint the reflector in selected RAL shade.
- (B) The lighting part of reflector are forming LED diodes from the japan producer NICHIA. We offer different color temperature and CRI. After the lifetime service is possible to change the used diodes. For better mechanical resistance we produce this reflector type with clear plastic Makrolon.
- (C) Great advantage of our offer is LED reflector production with tailored beam angle. We have more than 200 types of optical lenses available, thanks to them we are able to illuminate exactly the space you need. It goes without saying that combination of several optics in one reflector is possible.
- (D) In reflectors we use power supplies with high quality and which are verified over the time. We offer possibility to increase overvoltage protection on 10kV. To achieve the increased IP66, is the power supply positioned inside the reflector.
- (E) As addition we offer the possibility to order moving sensors and light control systems– WIFI, PWM, 0-10VDc, 1-10VDc, Apollo, DALI, IoT, esave and others.
- (F) Reflector installation is made with help of practical moveable and turn-able holders. Alternatively is possible to produce the reflector with suspended system. For them we can add also customized installation flanges. We can produce custom made power supply cables with reliable IP68 connector.

Optics

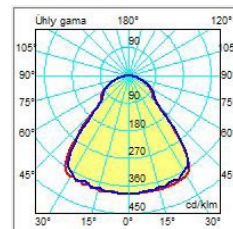
Tailored beam angle minimalizes light smog a saves your costs. Below we present just some of our most used optics types in our lights. We have more than 200 optics types available for lighting exactly spaces you need or wish.



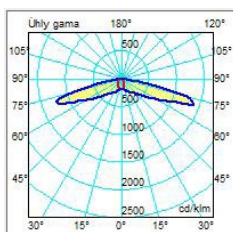
beam angle 26 x 108°



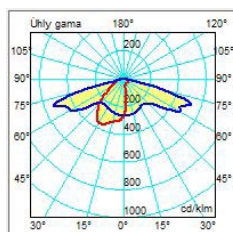
asymmetric beam angle



beam angle 90°



beam angle 80° x 155°



asymmetric beam angle



tailored beam angle on order

Environmental 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.



Reflector construction is from recyclable material. Lifetime of the lights can be extended with light source change or power supply change, if they were deteriorated.



For production we use available common components with best quality. Quality confirmation is the above standard warranty up to 5 years.



High efficiency has of course direct relation with energy savings and natural resources saving.



LED reflector does not emit harmful UV and IR radiation, what confirms also photo-biological tests.

Thank you for your interest in our LED lights.