

Technical Datasheet

NEREUS 300 LED



TECHNICAL DATA

Type:	Submarine Lighting LED dimmable
Housing material:	Amagnetic stainless steel 1.4571
Lamp unit material:	Diffuse or clear polycarbonate cover available. Anodized LED heat-sink made of high-quality seawater-resistant aluminum. Lamp unit holder made of RG5 CuSn5Zn5P5 C
Housing colour:	All surfaces white powder-coated RAL 9016, other colors on request
Cable glands:	M18x1.5 in accordance with VG88846
Weight:	ca. 3.95 kg $\pm 3\%$ bis 10%
Ambient temperature:	-25°C to +45°C
IP protection:	IP 56 according to EN60529

ELECTRICAL DATA

Input Voltage:	115 V AC – 277 V AC, 115 V DC – 277 V DC, 24 V DC on request
Power Input:	11 W
Dimmable:	Potentiometer 0-10 V (electrical resistance)

LIGHTING DATA

Color temperature:	5,300 K; 3,000 K
Color rendering index (CRI):	> 80 R_a
Luminous flux:	1,600 lm
Lighting efficiency:	168 lm/W
Beam angle:	> 120°
Flicker:	< 3%



Date of issue: 18.10.2023
Doc.no.: DB-8NER-04
Rev.no.: 00

Headquarters in Hamburg
KARL DOSE GmbH
Försterweg 73-77
22525 Hamburg
Germany

Contact us:
Website: www.karl-dose.com
Phone: 0049 (0)40 547322-0
E-Mail: sales@karl-dose.de

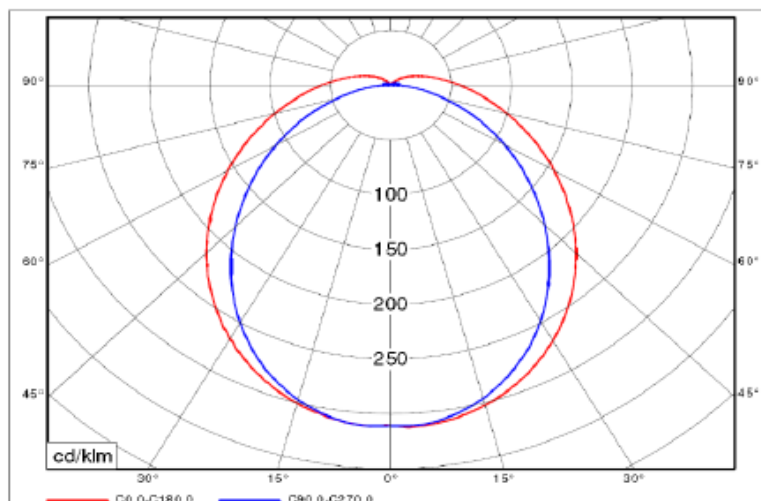


Technical Datasheet

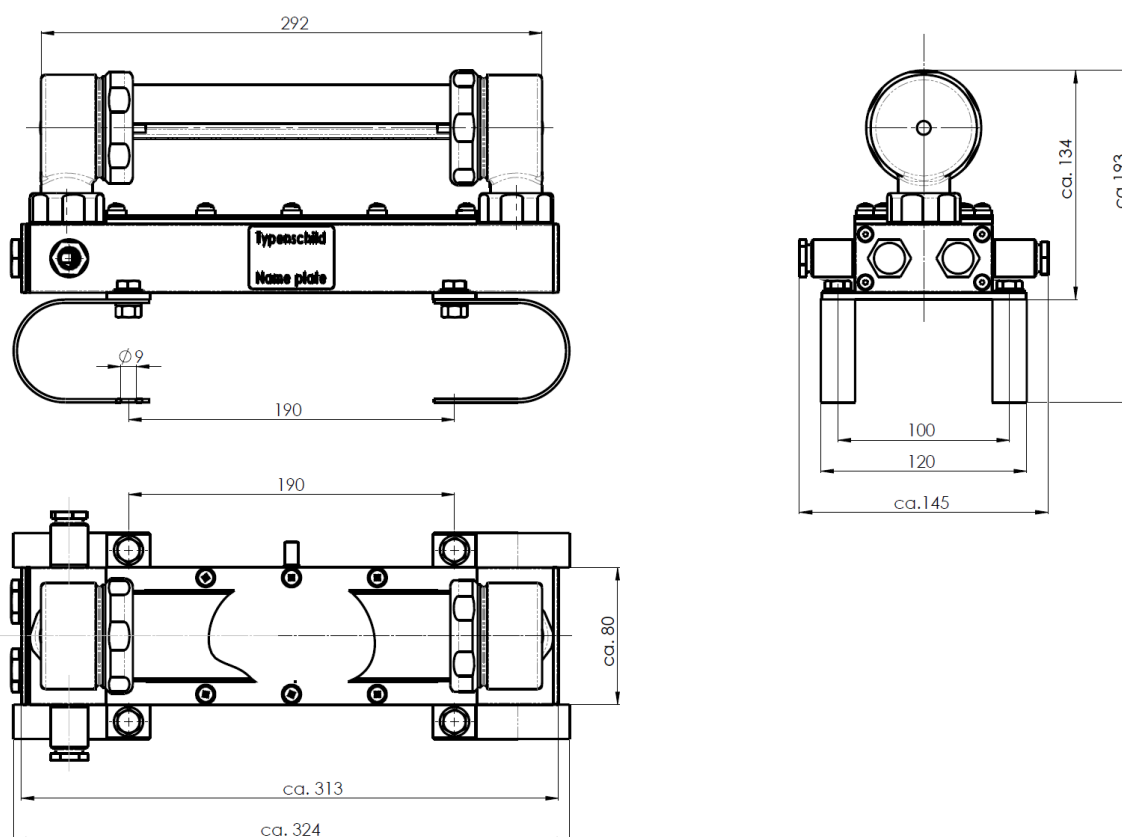
NEREUS 300 LED



LIGHT DISTRIBUTION



FIGURES



Date of issue: 18.10.2023
Doc.no.: DB-8NER-04
Rev.no.: 00

Headquarters in Hamburg
KARL DOSE GmbH
Försterweg 73-77
22525 Hamburg
Germany

Contact us:
Website: www.karl-dose.com
Phone: 0049 (0)40 547322-0
E-Mail: sales@karl-dose.de



Technical Datasheet

NEREUS 300 LED

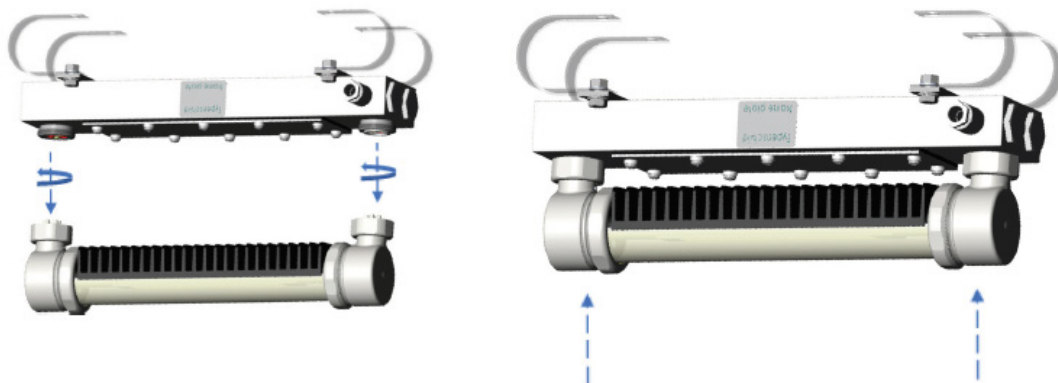


FEATURES

- High-performance LEDs with a lifetime of over 60.000 hrs.
- LEDs and circuit board with very low heat generation
- Short circuit and overload protection
- UV resistant
- Homogeneous light
- Almost flicker free
- Adjustable LED unit for indirect light
- Dimmable
- A-magnetic
- Easy and fast assembly and maintenance
- Replacement for 2x13 W

MAINTENANCE „PLUG AND PLAY“

The LED unit can be replaced quickly and easily by turning the connector without any tool.
Just plug and play.



Date of issue: 18.10.2023
Doc.no.: DB-8NER-04
Rev.no.: 00

Headquarters in Hamburg
KARL DOSE GmbH
Försterweg 73-77
22525 Hamburg
Germany

Contact us:
Website: www.karl-dose.com
Phone: 0049 (0)40 547322-0
E-Mail: sales@karl-dose.de

