



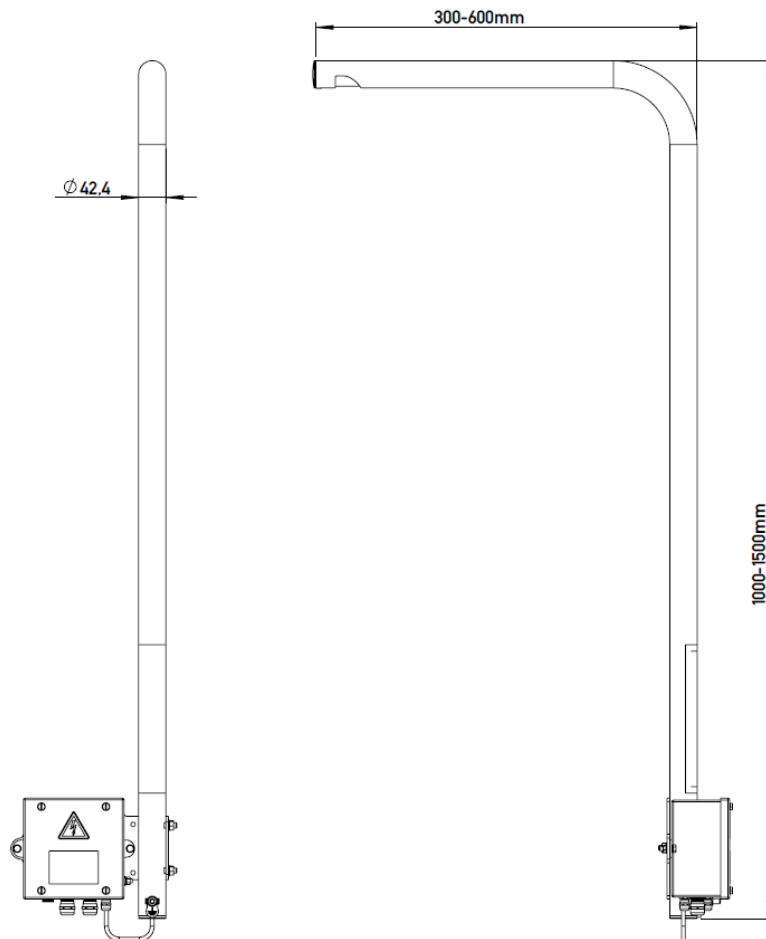
DATASHEET IDSL-1000-AC

- Maintenance-free LED technology for the uniform illumination of ID signs (sign board sold separately)
- Smart photocell

The IDSL-1000-AC is designed for the uniform illumination of ID signs up to 1500 mm high by 2200 mm wide to satisfy IALA G1162 recommendations. The ruggedized stainless-steel design integrates the optical head and mechanical support into a single device.

A smart photocell ensures accurate day to night switching by distinguishing between the light produced by the ID Sign Light and ambient light.

Dimensions & Weight



Edge length of Junction Box	200 mm
Diameter of stainless-steel enclosure	42 mm
Height	1066 mm
Width (arm extension) ^A	513 mm
Weight Junction Box	2.9 kg
Weight IDSL-1000	3.0 kg
Maximum associated sign board dimensions	1500 mm (h) x 2200 mm (w)

^A arm extension can be modified to meet project specific requirements

Material

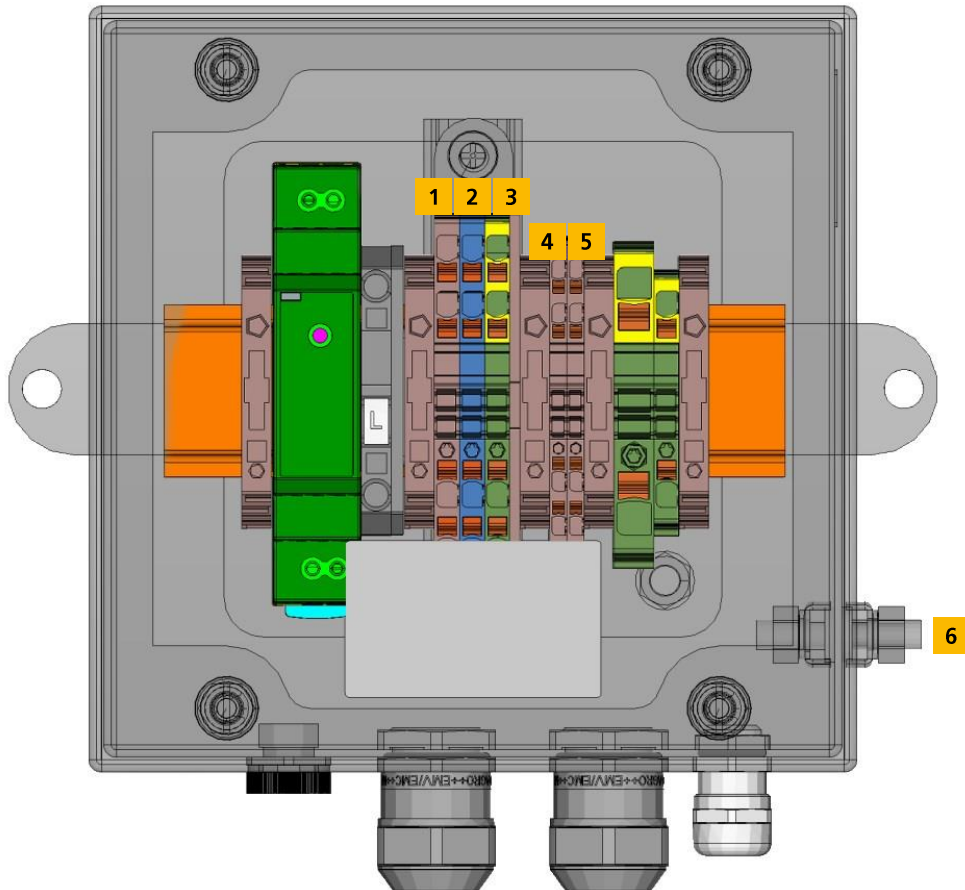
Tube	Stainless Steel 316L / 1.4404
Housing Junction Box	Stainless Steel 316L
Housing Optical Head	Makrolon® AL2647
Gasket	THERMOLAST® K TC3GPZ

Optical System

Light colour	3000 k (White)
Uniformity Ratio	1:10
Illuminance	min. 25 lx
Radiance lamp group (acc. To EN 62471:2008)	RG1
Irradiance lamp group (acc. To EN 62471:2008)	RG0

Electrical Connection

Electrical connection	Spring terminal block, max. 2.5 mm ²
Operating voltage V_{IN}	AC 230 V (-10 % / +10 %)
Power consumption (Peak, $V_{IN} = AC 230 V$) IDSL-JBOX-AC	0.5 W
Power consumption IDSL-1000	2.2 W



XD001 Power Connection

1	+Vin	Power supply input (Positive) 2.5 mm ²
2	-Vin	Power supply input (Negative) 2.5 mm ²
3	PE	Protective Earthing 2.5 mm ²

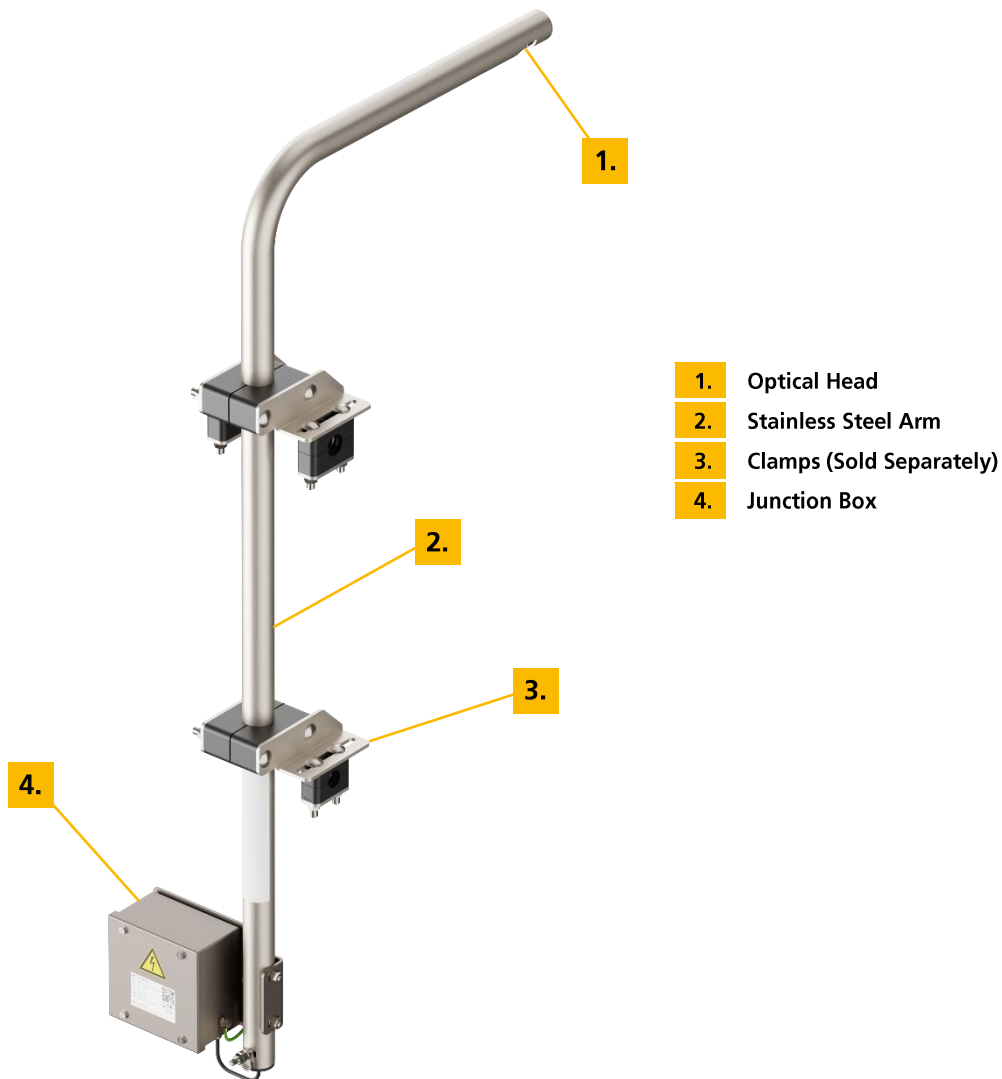
XD002 Optical Head

4	+V	Power supply output (Positive)
5	-V	Power supply output (Negative)

XE002 External Earthing Bolt

6	PE	Protective Earthing (M6)
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Components



- 1. Optical Head
- 2. Stainless Steel Arm
- 3. Clamps (Sold Separately)
- 4. Junction Box

Note: All housing components including the cable glands satisfy the IP67 degree of protection requirements according to IEC 60529. During connection and assembly, ensure that no moisture or dirt penetrates into the open socket.

	Size	For cable diameter	Key width
EMC Cable Gland	M20 x 1.5	10.5 – 15.0 mm	24 mm

Environmental Conditions

Ambient temperature (operation)	-25 °C to +55 °C
Ambient temperature (storage / transport)	-40 °C to +70 °C
Humidity (operation / storage / transport)	95 % r.h. up to +45 °C 70 % r.h. for T > +45 °C
Atmospheric pressure (operation / storage / transport)	80 kPa to 108 kPa
Degree of protection (acc. to IEC 60529)	IP66 and IP67
Luminaire classification (acc. to EN 60598-1:2018)	Rough service luminaire
Impact protection (acc. to IEC 62262-1:2018)	IK08
Wind zone classification (acc. to IEC 61400-1 Ed. 4)	I
Lightning protection zone (acc. to IEC 62305-4:2010)	LPZ 0 _B

Electrical Safety and Health

Protection class	Class III
Overvoltage protection	Class III
Pollution degree	3

Reliability

IALA Category	1 ^B (assumed MTTR of 96 h)
Minimum LED lifetime	100 000 h

^B IALA Recommendation O-130-Categorisation and Availability Objectives for Short Range AtoN

Compliance

Electromagnetic Compatibility	EN 60945:2002, category "exposed" EN 61547:2009 EN 61000-6-2:2005 EN 61000-6-4:2007 + A1:2011 EN 55015:2013 EN 62479:2011
Environmental	EN 60945:2002, category "exposed" IEC 61892-1:2019 EN 60598-1:2015 + A1:2008
Product Safety	EN 60598-1:2015 + A1:2018 EN 60598-2-5 :2015
Health	EN 62471:2008
Mechanical	EN 60945:2002, category "exposed" EN 60598-1:2015 + A1:2018 EN 60598-2-5:2015 IEC 61892-1:2019 IEC 61892-3:2019

Ordering Information

Item Number	Product ID	Details
30292300	IDSL-1000-AC 1	ID Sign Light for ±1000 mm letters, AC 230 V
Consists of	30292200	IDSL-1000
	30072900	IDSL-JBOX-AC
30292301	IDSL-1000-AC 2	2x ID Sign Light for ±1000 mm letters, AC 230 V
Consists of	30292200	IDSL-1000
	30072900	IDSL-JBOX-AC