



# IDSL NAI



SKU: N/A

Categories: [ID Marking](#), [All Products](#), [SeaMark Products](#)

## GALLERY IMAGES

**Technical Specifications:**

Electrical connection	Spring terminal block, max. 2.5 mm <sup>2</sup>
Operating voltage V <sub>AC</sub>	100 V AC 50/60 Hz, 1-250 V AC
Electromagnetic field, max. 100 V/m	1.0 kV/m

**Optical System:**

Color	Standard Beam 5700 K LAMBDA
Housing Junction Box	LEANS <sup>TM</sup> Beam 50x50mm
Housing Optical Head	Black/Black 30x30x70
Beam	1000mm/3281" in 30°/90°
Light source	20W LED
Beamforming beam	1.0°
Beam diameter	max. 25.7x
Installation group code	100-00000000000000000000
Installation group code	100-00000000000000000000
Installation group code	100-00000000000000000000

**Dimensions:**

Dimension of junction box	50 mm
Diameter of junction box entrance	42 mm
Height	100 mm to 1000 mm
Mounting arm extension	100 mm to 1000 mm
Weight	0.5 kg
Maximum associated cable diameter	2000 x 100 mm

**Wiring Diagram:**

1	VPS	Power supply (VPS) (Pre-wired)
2	VAC	Power supply (VPS) (Pre-wired)
3	SP	Not used (Pre-wired)
4	SP	Not used (Pre-wired)
5	VPS	Power supply (VPS) (Pre-wired) - (to meet demand)
6	VPS	Power supply (VPS) (Pre-wired) - (to meet demand)
7	SP	Not used (Pre-wired) - (to meet demand)
8	SP	Not used (Pre-wired) - (to meet demand)

**Labels:**

1	Optical Head
2	Mounting Head Arm
3	Beam
4	Junction Box

**Barcode Labels:**

CHSR-BLE-DC-NAI  
 MFR: 70320008  
 COLOR: 70001000  
 SERIAL: 01190001  
 SP 0V DP 0V VP 1V1 DP 0V

**IDS Signage:**



## PRODUCT DESCRIPTION

### SeaMark ID Sign Light

Designed for the uniform illumination of ID signs up to 1500 mm high by 2200 wide to satisfy IALA recommendation O-139. The rugged stainless-steel design integrates the optical head and mechanical support.

**NAi interface** - Communication and power are provided through the NAI network.

**LED technology** - Using the highest quality LED technology, the LED 160 provides the highest light output with low power consumption.

**Low maintenance** - With simple interfaces, LED technology and remote monitoring, the Seamark Marine Lantern is extremely low maintenance.

**Smart photocell** - A smart photocell ensures accurate day to night switching by distinguishing between the light produced by the ID Sign Light and ambient light. The small photocell also functions as an autonomous fall-back solution should communication on the bus be interrupted. The light is then switched on when the ambient light level falls below a minimum, pre-set, configurable level.

### Configuration Options

Available intensities to illuminate - 350mm & 1000mm signboards\*

\*Signboards sold separately

### Technical Data

#### DIMENSIONS & WEIGHT

Diameter of junction Box	124 mm
Diameter of stainless steel enclosure	42 mm
Height	1495 mm ( $\pm$ 100 mm)
Width (arm extension) A	722 mm ( $\pm$ 50 mm)
Weight	5.9 kg
Maximum associated sign board dimensions	2200 x 1500 mm

#### MATERIAL

Tube	Stainless Steel 316L/ 1.4404
Housing Junction Box	LEXAN™ Resin EXL5689
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
<b>ELECTRICAL CONNECTION</b>	
Electrical connection	Spring terminal block, max. 2.5 mm <sup>2</sup>
Operating voltage VIN	DC 24.0 V (-25 % / +25 %)
Power consumption (Peak, VIN = DC 24 V)	1.6 W
<b>ENVIRONMENTAL CONDITIONS</b>	
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)	IP67
Luminaire classification (acc. To EN 60598-1:2018)	Rough service luminaire
Rough service luminaire	IK08
Wind zone classification (acc. To IEC 61400-1 Ed. 4)	I
Lightning protection zone (acc. To IEC 62305-4:2010)	LPZ0B
<b>ELECTRICAL SAFETY AND HEALTH</b>	
Protection class	Class III
Overvoltage protection	Class III
Pollution degree	3
Reliability	
IALA Category	1 <sup>B</sup> (assumed MTTR of 96 h)
Minimum LED lifetime	100 000 h

Some Product specifications can vary to the below based upon configuration variations. Please double check the appropriate technical datasheet.