



# TYPE APPROVAL CERTIFICATE

No. **ELE124223PU**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>NAVIGATION LIGHTS</b>
<i>Type</i>	<b>NaviLED PRO (2NM / 3NM) Port, Starboard, Stern NaviLED Compact (2NM) Port, Starboard, Stern, Towing</b>
<i>Applicant</i>	<b>HELLA NEW ZEALAND LIMITED 81-83 Ben Lomond Crescent Pakuranga 2010 Auckland NEW ZEALAND</b>
<i>Manufacturer</i>	<b>HELLA NEW ZEALAND LIMITED</b>
<i>Place of manufacture</i>	<b>81-83 Ben Lomond Crescent Pakuranga 2010 Auckland NEW ZEALAND</b>
<i>Reference standards</i>	<b>COLREG, 1972 // EN 14744:2005</b>

Issued in **BUSAN** on **October 24, 2023**. This Certificate is valid until **October 23, 2028**



RINA Services S.p.A.  
**Young-Kwang Kim**

This certificate consists of this page and 1 enclosure

**TYPE APPROVAL CERTIFICATE**  
**No. ELE124223PU**  
**Enclosure - Page 1 of 1**  
**NaviLED PRO (2NM / 3NM) Port, Starboard, Stern**  
**NaviLED Compact (2NM) Port, Starboard, Stern, Towing**

**Navigation light for recreational vessels having length L = 12m to 50m**

**Type: NaviLED PRO (2NM)**

**Port light** 2LT 959 900-0xx  
**Starboard light** 2LT 959 908 - 0xx  
**Stern light** 2LT 959 909 - 0xx

- rated voltage: 12 Vdc and 24 Vdc
- mechanical protection: IP 67
- max supply voltage variation allowed: 9 Vdc to 33 Vdc

**Drawings:** 959 900-xx V02, 959 908-xx V02, 959 909-xx V01

**Test Reports:**

HELLA doc n. HNZ403/2LT 959 900 - xxx (22/02/11), HNZ403/2LT 959 908-xxx (22/02/11), HNZ403/2LT 959 909 - xxx, (22/02/11)\_ (supply voltage variations)

TESTLAB doc. n. U61617 (29/09/06) (environmental and IP protection)

EMC Technologies (NZ) Ltd doc. n. 100501.1 and n. 100502.1 (10/06/10)\_ (immunity and emissions)

IMANNA ( Colreg requirements for 12Vdc and 24Vdc)  
n. 16674-5 (Dec/21/2004) and 16674-6 (Dec/21/2004)  
n. 16674-7 (Dec/29/2004) and 16674-8 (Dec/29/2004)  
n. 16674-11 (Jan/14/2005) and 16674-12 (Jan/14/2005)

**Navigation light for recreational vessels having length L = 50 meters or more**

**Type: NaviLED PRO (3NM)**

**Port light** 2LT 959 900 - 2xx  
**Starboard light** 2LT 959 908 - 2xx  
**Stern light** 2LT 959 909 - 2xx

- rated voltage: 12 Vdc and 24 Vdc
- mechanical protection: IP 67
- max supply voltage variation allowed : 9 Vdc to 33 Vdc

**Drawings:** 959 900-2x V02, 959 908-2x V02, 959 909-2X V01



## Test Report:

HELLA doc: HNZ403/2LT 959 909 - xxx, (22/02/11)\_ (supply voltage variations)

TESTLAB doc. n. U61617 (29/09/06) (environmental and IP protection)

EMC Technologies (NZ) Ltd doc. n. 100501.1, n. 100502.1 (10/06/10)\_ ( EMC immunity and emissions)

IMANNA (Colreg requirements for 12Vdc and 24Vdc)

n. 16674-3 (Dec/20/2004) and 16674-4 (Dec/20/2004)

n. 16674-1 (Dec/17/2004) and 16674-2 (Dec/17/2004)

n. 16674-11 (Jan/05/2005) and 16674-12 (Jan/05/2005)

## Navigation light for recreational vessels having length L=12 to 50 meters

Type: NaviLED COMPACT Series (2 NM)

Port light 2LT 980 520-0xx; Stern light 2LT 980 520-5xx ;  
Starboard light 2LT 980 520-2xx; Towing light 2LT 980 520-6xx

- rated voltage: 12 Vdc and 24 Vdc.
- mechanical protection: IP 67
- max supply voltage variation allowed: 8Vdc to 28 Vdc

Drawings: 2LT 980 520-0x V00, 2LT 980 520-2X V00, 2LT 980 520-5x V00, 2LT980 520-6x V00

## Test Reports:

HELLA doc HNZ603/2LT 980 520-0xx (08/11/2011), HNZ603/2LT 980 520-5xx (08/11/2011), HNZ603/2LT 980 520-2xx, (08/11/2011) (supply voltage variations)

TESTLAB doc. n. E082576E (15/12/2008) (EMC immunity and emission)

TESTLAB doc. n. U082576E1 (27/10/2008) (Environmental)

IMANNA docs .

- n. 17895-1 (Colreg requirements for Port side light\_12Vdc - Red)
- n. 17895-4 (Colreg requirements for Starboard side light\_12Vdc - Green)
- n. 17041-1 (Colreg requirements for Stern side light 12Vdc - White )
- n. 17895-3 (Environmental for Port side light)
- n. 17895-6 (Environmental for Starboard side light)
- n. 17041-3 (Environmental for Stern side light)
- n. 17608-1 (Environmental for Towing Light)

## Note/Remark

- Navigation lights to be installed according to COLREG 72 Requirements as well as the manufacturer instruction.
- The product is always subject to the compliance with RINA Rules and other Standards mentioned on certificate
- Type Approval certifies that a representative sample of the product has been found to meet the applicable design criteria
- Any modification or change shall not be valid until approval is granted by RINA as a result of due assessment
- RINA annual audit to the Manufacture's production site is required in case of products for which testing of each unit or batch is not required to be attended by the surveyor.

## Renewal/Revision

- 24/10/2018: Certificate No. ELE254518CS
- 24/10/2023: renewed. New certificate annuls and replaces previous certificate.

**BUSAN October 24, 2023**

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