

THE STANDARD FOR NAVIGATION LIGHTING



SINCE 1922

Den Haan Rotterdam



A PIONEER SINCE 1922

In over 90 years the family owned business Den Haan Rotterdam has grown from a small tinsmith to a modern, worldwide known manufacturer of maritime signalling equipment. We have built up extensive know-how and continuously improve our navigation lighting products to guarantee safety at the highest international standards.

Our navigation lights have undergone many transformations over the years, from oil lamps and lanterns using electrical bulbs to the next level: LED-technology. Today, we set the standard for the sustainable future with our new LED navigation lanterns. It is our uncompromising answer to robust durability at sea, especially in extreme temperatures and heavy weather.

Made in Holland.

1933



**In production since 1933
and still going strong**

2013



**In production since 2013
and ready for the sustainable future**

SAFETY FIRST IN ALL WEATHER CONDITIONS

Made in Holland





WE PROUDLY PRESENT
THE DHR-LED
NAVIGATION LIGHTS

LONG OPERATIONAL
LIFETIME, MAINTENANCE
FREE AND ENERGY SAVING

DHR-LED COLLECTION



TYPE: DHR40 LED

One LED-module
5+ years lifetime

Application

Small vessels for inland navigation
Seagoing vessels up to 20 m of length

Operational lifetime
50.000 hrs

Operation temperature
-25 up to 55°C



TYPE: DHR60 LED

Two LED-modules
Main & Spare
10+ years lifetime

Application

For all types of inland navigation vessels
Seagoing vessels up to 50m of length

Operational lifetime
100.000 hrs

Operation temperature
-25 up to 55°C



TYPE: DHR80 LED

Two LED-modules
Main & Spare
10+ years lifetime

Application

For all types of inland navigation vessels
Seagoing vessels with a length
of 20m or more

Operational lifetime
100.000 hrs

Operation temperature
-25 up to 55°C



TYPE: DHR73 LED

One LED-module
5+ years lifetime

Application

General signalling purposes
Obstacle lighting
Helideck lighting

Operational lifetime
50.000 hrs

Operation temperature
-25 up to 55°C

FACTS ABOUT DHR-LED

1

Robust electrical design

- Luminous intensity and the colour of the emitted light is not affected in case of power input fluctuations of 19V – 32V
- Use of ceramic components
- Protection from indirect lightning strikes and other air discharges using transient voltage suppressors
- Well-considered electrical design to minimize chance on failure

2

Excellent thermal management

- The whole housing is made of marine graded aluminium with a hard-coated anodized surface to manage high ambient temperatures. This ensures a long sustained operational lifetime

3

Reliable rugged design for heavy-duty applications

- Use of precision machined components
- Resistant to extreme shocks and vibrations
- Water ingress protection of IP66 and higher to withstand beating of waves and water submersion
- UV-radiation has no adverse effect, because of borosilicate glass lens and aluminium housing

4

No interference noise with radio or radar

- All DHR LED-products comply with the imposed EMC-requirements. DHR also tested their LED-products in the vicinity of radio antennas at a distance of less than 1 meter. No interference noise was detected.

ADVANCED NAVIGATION LIGHT SOLUTIONS BY DHR

Den Haan Rotterdam extends the offer of LED navigation lights to advanced navigation light solutions. Our experienced sales staff is able to advise you about the minimum required navigation light system for each specific type of vessel.

Maintenance friendly design



We offer maintenance kits for replacing damaged components. This guarantees safety at sea.



TYPE:
DHR60 LED
NAVIGATION



TYPE:
DHR40 LED
NAVIGATION



TYPE:
DHR260RCN
METAL HALIDE
SEARCHLIGHT



BURTONE
AIR HORN

DHR NAVIGATION
LIGHT MONITORING
CONTROL SYSTEM



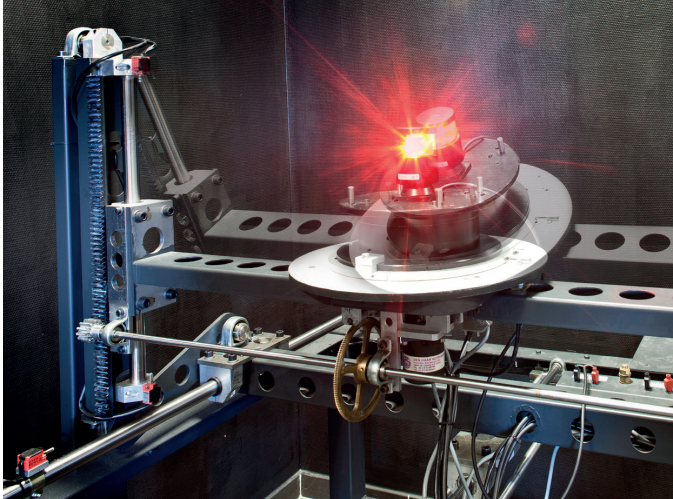
DHR navigation light systems offer many advantages:

- Monitoring and control up to 48 navigation lights
- Connections for main and spare LED-modules
- Each single navigation light is controlled individually
- Continuous monitoring for failures and operational lifetime
- Main and back-up power supply
- Class type approved

- ① Starboard
- ② Port
- ③ Masthead
- ④ Anchor light / all-round white
- ⑤ Not Under Command / all-round red
- ⑥ Towing light
- ⑦ Stern light
- ⑧ Searchlights
- ⑨ Air Horn

MADE IN HOLLAND

DHR LED navigation lights are designed and tested in our own R&D-lab. Since 1922, our factory houses all assembling and manufacturing. Over 90 years of product development and manufacturing has resulted in a vast experience of know-why and know-how.



FIRST CHOICE

For decades, Den Haan Rotterdam is the first choice for major players in the maritime industry and navies around the globe. Our personal and dedicated organization is known for its fast response and flexibility. In general, orders will be processed within 24 hours. We offer you customized solutions upon request.

references

DAMEN



Koninklijke Marine



CoCo Yachts



BOURBON
Entre la mer et vous



NAUTIC[®]
STRENGTH FOR AFRICA



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PRODUCT
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