Navigation Lights User Guide

The information shown is based on the International Regulations Preventing Collisions at Sea 1972 (IMO).
(No responsibility is accepted for any errors or omissions in information given.)

Sailing vessels less than 20 m L.O.A. (*may also be performed)
1 Tricolor sailing light
* 1 All-round red
* 1 All-round green
1 Port
1 Starboard
1 Stern

Sailing vessels more than 20 m L.O.A.
* 1 All-round red
* 1 All-round green
1 Port
1 Starboard
1 Stern

Powercraft underway, less than 7 m L.O.A.
max. speed 7 knots including yacht under power
1 Allround white

Powercraft underway, less than 20 m L.O.A.
1 Masthead
1 Port
1 Starboard
1 Stern

Powercraft underway, less than 12 m L.O.A.
when masthead and stern can’t be mounted.
Motor driven vessels 12 m up to 20 m L.O.A.
1 All-round red
* 1 All-round green
1 Port
1 Starboard
1 Stern

Motor driven vessels 12 m up to 20 m L.O.A.
1 Masthead
1 Bicolor
1 Port
1 Starboard
1 Stern

Motor driven vessels up to 50 m L.O.A.
1 Masthead
1 Port
1 Starboard
1 Stern

Motor driven and sailing boats restricted in manoeuvrability more than 12 m LOA
In addition to prescribed navigation light:
2 Allround red
1 Allround white

Motor driven vessels at anchor, aground or at pier
Less than 50 m at anchor
1 Allround white
1 Allround white
2 Allround red in vertical line
1 All-round white showing out on boardside

Motor driven and sailing boats at anchor, aground or at pier
From 12 m aground
Less than 50 m at pier
1 Allround white
1 Allround white
2 Allround red in vertical line

Motor driven and sailing boats not under command more than 12 m L.O.A.
In addition to starboard, port and stern lights:
2 All Round red in vertical line
Vessels up to 50 m in length (vessels less than 50 m in length only need 1 masthead and 1 anchor light)

- under way
- not under command
- restricted in manoeuvrability
- at anchor
- aground

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<td>1 Masthead</td>
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<tr>
<td>1 All-round red</td>
<td>1 Masthead</td>
<td>1 Port</td>
<td>2 All-round red</td>
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<tr>
<td>1 Port</td>
<td>1 Starboard</td>
<td>1 Stern</td>
<td>1 All-round white</td>
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<tr>
<td>1 Stern</td>
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<td>1 Stern</td>
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<td></td>
<td>2 Masthead</td>
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<tr>
<td></td>
<td>1 Port</td>
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<td>1 Starboard</td>
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<td>1 Stern</td>
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<tr>
<td></td>
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<td>1 Stern yellow</td>
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</table>

The LED Navigation Lights are equipped with an automated control system which becomes effective automatically after 20,000 runtime hours, so as to rule out possible failure. The age of the lights is easily detected by the crew from the blinking signals it emits when it is switched on. The automated control system conforms to the latest BSH regulations.

**Runtime sample calculation:**
20,000 hours runtime by an action time of 8 hours over 120 days, will amount to a runtime of more than 20 years.