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## NAVIGATION LIGHTS USER GUIDE

## 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.)


| Motor driven and sailing boats at anchor, aground or at pier |  |  | Motor driven and <br> sailing boats restricted <br> in manoeuvrability <br> more than 12 m LOA |
| :--- | :--- | :--- | :--- |
| Less than 50 m <br> at anchor | Less than 50 m <br> at pier |  |  |

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## VISIBIIITY REQUIREMENTS

| Required visibility in nautical miles (nm) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type of navigation light | Angle | Type of boat | Boats $<12 \mathrm{~m} / 39 \mathrm{ft}$ | Boats $<20 \mathrm{~m} / 65 \mathrm{ft}$ | Boats $<50 \mathrm{~m} / 164 \mathrm{ft}$ | $\begin{aligned} & \text { Boats } \\ & >50 \mathrm{~m} / 164 \mathrm{ft} \end{aligned}$ |
| Starboard | $112,5^{\circ}$ | Sailing and motor boats | 1 nm | 2 nm | 2 nm | 3 nm |
| Port | $112,5^{\circ}$ | Sailing and motor boats | 1 nm | 2 nm | 2 nm | 3 nm |
| Stern | $135^{\circ}$ | Sailing and motor boats | 2 nm | 2 nm | 2 nm | 3 nm |
| Masthead | $225^{\circ}$ | Motor boats | 2 nm | 3 nm | 5 nm | 6 nm |
| All-round | $360^{\circ}$ | Sailing and motor boats | 2 nm | 2 nm | 2 nm | 3 nm |
| Bicolor | $\begin{aligned} & 112,5^{\circ} / \\ & 112,5^{\circ} \end{aligned}$ | Sailing and motor boats | 1 nm | 2 nm |  |  |
| Tricolor | $\begin{aligned} & 112,5^{\circ} / \\ & 112,5^{\circ} / \\ & 135^{\circ} \end{aligned}$ | Sailing boat | 1-2 nm | 2 nm |  |  |


| Visibility of aqua signal navigation lights in nautical miles (nm) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type of navigation lights | Angle | Type of boat | Series $20,25$ | $\begin{aligned} & \text { Series 32, 34, } \\ & 40.41,42 \text {, } \\ & 43,50 \end{aligned}$ | $\begin{aligned} & \text { Series } \\ & 55 \end{aligned}$ | $\begin{aligned} & \text { Series } \\ & 70,70 \mathrm{M}, 70 \mathrm{D} \end{aligned}$ |
| Starboard | $112,5^{\circ}$ | Sailing and motor boats | 1 nm | 2 nm | 2 nm | 3 nm |
| Port | $112,5^{\circ}$ | Sailing and motor boats | 1 nm | 2 nm | 2 nm | 3 nm |
| Stern | $135^{\circ}$ | Sailing and motor boats | 2 nm | 2 nm | 2 nm | 3 nm |
| Masthead | $225^{\circ}$ | Motor boats | 2 nm | 3 nm | 5 nm | 6 nm |
| All-round | $360^{\circ}$ | Sailing and motor boats | 2 nm | 2 nm | 2 nm | 3 nm |
| Bicolor | $\begin{aligned} & 112,5^{\circ} / \\ & 112,5^{\circ} \end{aligned}$ | Sailing and motor boats | 1 nm | 2 nm |  |  |
| Tricolor | $\begin{aligned} & 112,5^{\circ} \text { / } \\ & 112,5^{\circ} / \\ & 135^{\circ} \end{aligned}$ | Sailing boat | 1-2 nm | 2 nm |  |  |
| Please refer to the table above to see what the definition of the IMO COLLREGS 1972 is with regards to the relation between the requested visibility per type of navigation light and the length and type of boat or vessel where applied. |  |  |  |  |  |  |
| For example: <br> According to IMO COLREGS 1972 aqua signal series $32,40,41,42,43$ and 50 can be used on boats < $50 \mathrm{~m} /$ 164 ft . with only one exception which is the masthead light since this one has to have 5 nm visibility instead of 3 nm . |  |  |  |  |  |  |
| For regulations in various countries please refer to the detailed approval list in this catalogue. |  |  |  |  |  |  |

