

Wind Direction Indicator, illuminated (IWC)

For indication of wind direction and approximate wind speed

The illuminated Wind Direction Indicator IWC indicates the wind direction and approximate wind speed at airports and heliports.

The IWC is equipped with an obstruction light, windsock lights and a tilting device. The tilting device facilitates necessary maintenance works like for example the exchange of the windsock.

The height of the IWC is available from 3.50 m to 8.00 m. Other heights are available on request.

The windsock is available in the following sizes (in accordance with ICAO):

- Length 1.80 m; diameter 0.30 m
- Length 2.50 m; diameter 0.40 m
- Length 3.50 m; diameter 0.65 m
- Length 4.50 m; diameter 0.90 m

Mounting solutions:

The IWC can be installed at surface level and elevated heliports. Several mounting solutions are available. The illuminated wind direction indicator can be mounted at a ground foundation, at a holding device for flat roofs or a wall holder.

Tilting device:

For maintenance works the Wind Direction Indicator is equipped with a tilting device and a cable winch. This tilting device guarantees an easy handling of the IWC.

The IWC can be equipped with a tilting device either in a height of approx. 170 cm or with a breakover point at the bottom. Also possible is the installation with a simple wall holder at vertical walls without a tilting device.



Parts of the IWC:

- Holding- & tilting device, zinc-plated steel, powder-coated, for installation at foundation or wall holder
- Main tube, aluminium, powder-coated, red-white-red. Mounted inside of holding device
- Upper tube, zinc-plated steel, powder-coated red. Slidably mounted in the main tube. Including turning device with stainless steel bearings and windsock-basket in different sizes, installed at the turning device
- Obstruction light 60 W, 230 V or LED 15 W, 230 V
- Windsock lights each 150 W (halogen R7s 230 V) or 13 W (LED 230V) for illumination of the wind sock
- Junction box can optionally be equipped with function for sending a fault message or an status message via dry contact

Technical Data:

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| ■ Input voltage | 230 VAC (other voltages on request) |
| ■ Power Consumption | max. 510 W (depending on configuration) |
| ■ Light source | Obstruction light LED or signal lamp E27
Wind sock lights LED or halogen R7s (74,9 mm) |
| ■ Obstruction light intensity | min. 10 cd (32 cd, 50 cd, ... available) |
| ■ Total height | 3.50 m – 8.00 m selectable |
| ■ Weight | 50 - 90 kg (depending on configuration) |
| ■ Wind resistance capacity | 140 km/h |

In accordance with the following recommendations:

- ICAO Annex 14 Vol. I
- ICAO Annex 14 Vol. II Ch.5.1.1.
- Heliport manual

