



Application:

The Dialight DSYS4002 dual High intensity LED based obstruction light system utilizes state-of-the-art optical design to achieve reliable compact and efficient performance. It has been designed especially for use on wind turbines, towers, building and other structures that requires obstruction light marking. The BT4000 obstruction light beacon features a patented unique optical design that brings the light pollution to an absolute minimum. The beacon combines high intensity white light, medium intensity red light and infra red light in one unit. The interface/power supply cabinet interfaces to external SCADA system via potential free output relays or via the network option. The robust, low power design will provide years of maintenance free service.

Features & benefits:

- 5 years full performance warranty
- Compact and light weight design
- Wide range input power 190-250 VAC (20-30 VDC)
- Weather/corrosion resistant assembly and housing
- Maintenance free*
- Resistant to shock and vibrations
- Photocell integrated in beacon
- Astronomical clock integrated in beacon
- Cold Climate Version available (CCV)
- GPS integrated in beacon for synchronization
- Light can be dimmed to 30% and 10%
- "Hot Start" function interface for radar systems
- Network based controller (optional)

Compliant to:

- ICAO Annex 14, 5th Edition, July 2009
- ICAO Aerodromes Design Manual, chapter 18
- TraFi
- MOD

US Patents # 7,281,821 #7,568,821 #7,698,823 other patents pending

DSYS4002AB-IR High Intensity LED Obstruction Light system

50.000cd day mode / 2.000cd Night mode and Infra red light

Technical specifications Beacon

Input voltage:	24 VDC (Beacon) 230 VAC (Heat elements)
Intensity white:	50.000cd - Day mode
Intensity red:	2.000cd - night mode
Intensity IR:	600mW/sr (PWM adj.)
Power consumption:	200W - Day mode, 40fpm 12W - Night mode, 40fpm 2 x 100W (Heat elements)
Horizontal range:	360
Ingress protection:	IP65
operating temperature:	-40° to +55° C.
Dimensions:	380 x 436 mm (HxDia)
Weight:	19 kg

Technical specifications Power supply

Nom. input voltage:	100-240 VAC
Power consumption:	1100w max. peak
Ingress protection:	IP56
operating temperature:	-40° to +55° C.
Dimensions:	500 x 600 x 210 mm (HxWxD)
Weight:	25 kg

All values typical unless otherwise stated

Dialight reserves the right to make changes at any time in order to supply the best product possible. Please contact Dialight BTI for the most current version of this document

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