

DWT-OBS-LED-SP-401

Intelligent Obstruction Light





Intelligent Obstruction Light w/ Solarpanel Connector



- > LED-based optics
- > In-built battery
- > Charging port for external solar panel, charging unit or cable
- > Wireless connection with range of 100 m optional
- > EU manufactured

Low Intensity Obstruction Lighting ICAO Type A



Intelligent aviation light DWT-SP-401 for obstruction lighting according to Low Intensity ICAO Type A.

Autonomous operation thanks to internal rechargeable battery and solar panel connector.

The aviation light DWT-SP-401 features various advanced functions and operation modes. These include a built in battery featuring 50 hours of operations or 14 days of stand-by. The built-in microprocessor provides protection against excessive over/discharge of the battery enable reliable operation. The lighting unit microcontroller runs self-diagnostics and provides an integrated radio module for wireless activation (built-in MESH protocol). This way, the lighting system can be activated whenever it is necessary. Autonomous operation (automatic activation / deactivation at dusk / dawn) is possible with optional solar panel Users benefit from maximum flexibility for installations due to external, optional solar panel.

An additional on/off switch button allows for manual operation.

- Fittings / Options:**
- ✓ GSM Monitoring & Activation
 - ✓ VHF Activation
 - ✓ Solar Panel
 - ✓ Mounting Accessories



MECHANICAL CHARACTERISTICS

Material	
Body	Composite technology, RTM
Lens	UV-stabilized Polycarbonate, Grade 2407
Body Colour	Yellow
Dimensions	
Width	228 mm
Length	178 mm
Body Height	271 mm excl. antenna
Height	365 mm incl. antenna
Weight	4 kg
Mounting	4 x M5
Protection Class	IP65 (waterproof)
Operating Temperature	-20°C to + 50°C

OPTICAL CHARACTERISTICS

Light Source	LED
Light Colour	Red (acc. to ICAO Annex 14)
Intensity Settings	<ul style="list-style-type: none"> ◦ Low ◦ Medium ◦ High
Horizontal Divergence	360°

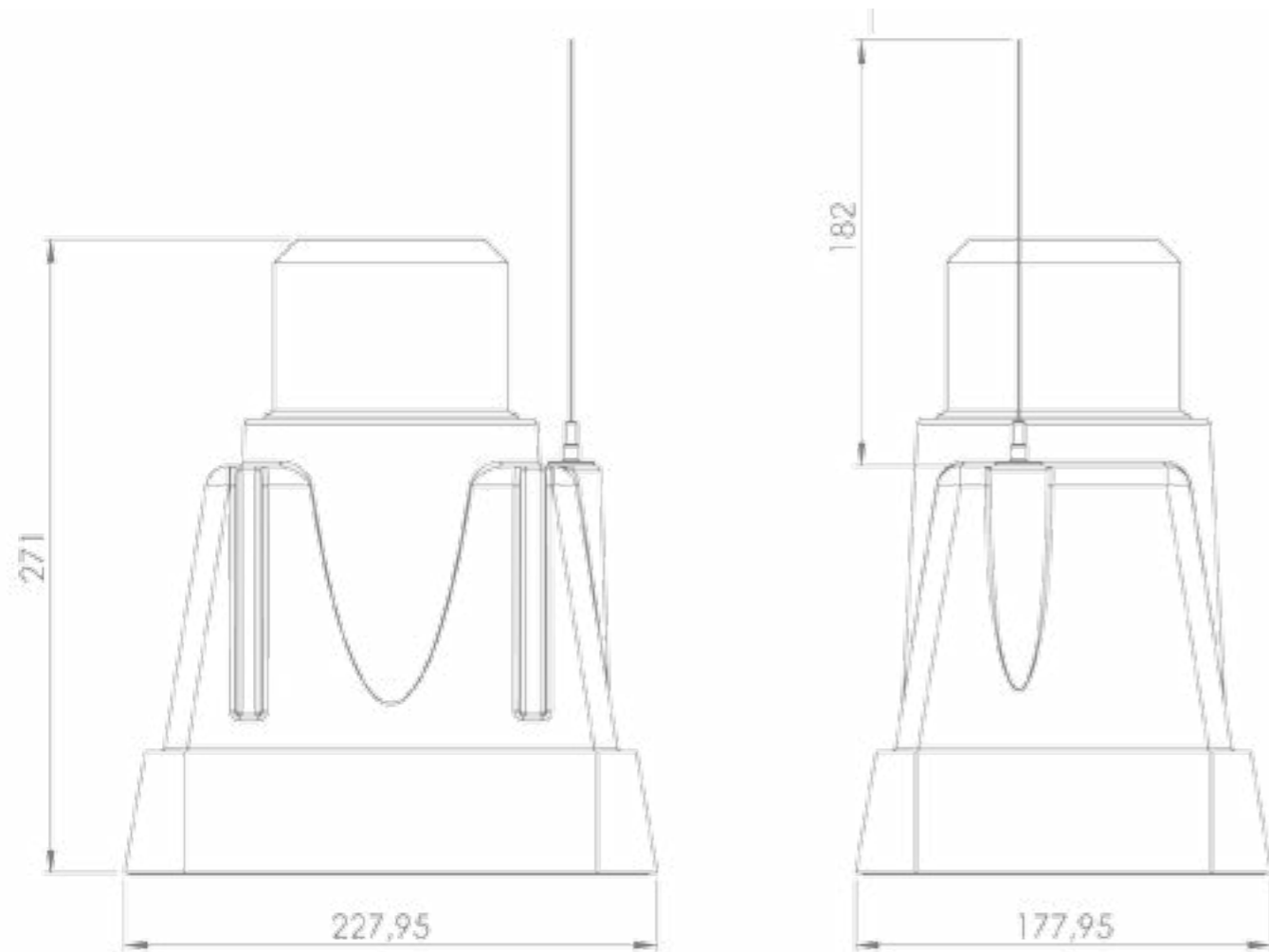
ELECTRICAL CHARACTERISTICS

Battery	
Type	Deep-cycle, VLRA, ISO 9001, ISO14001
Capacity at 25°C	9 Ah
Capacity at 0°C	7,7 Ah
Capacity at -15°C	5,9 Ah
Voltage	12 V
Stand-by time	14 days
Operating time	25-50 hours depending on selected intensity (fully charged battery)
Charging Options	<ul style="list-style-type: none"> ◦ Stationary charging unit ◦ External solar panel ◦ Electrical cable grid
Charging Time	
Stationary Charging Unit	7 hours
Solar Panel	20 min per 1 hour operation
Solar Panel	
Cell Technology	Monocrystalline
Maximum Power	20 W (10 W optional)
Operation Nominal Voltage	12 V
Model Efficiency	13 - 17 %
Dimensions	580 x 289 x 18 mm
Weight	2.3 kg

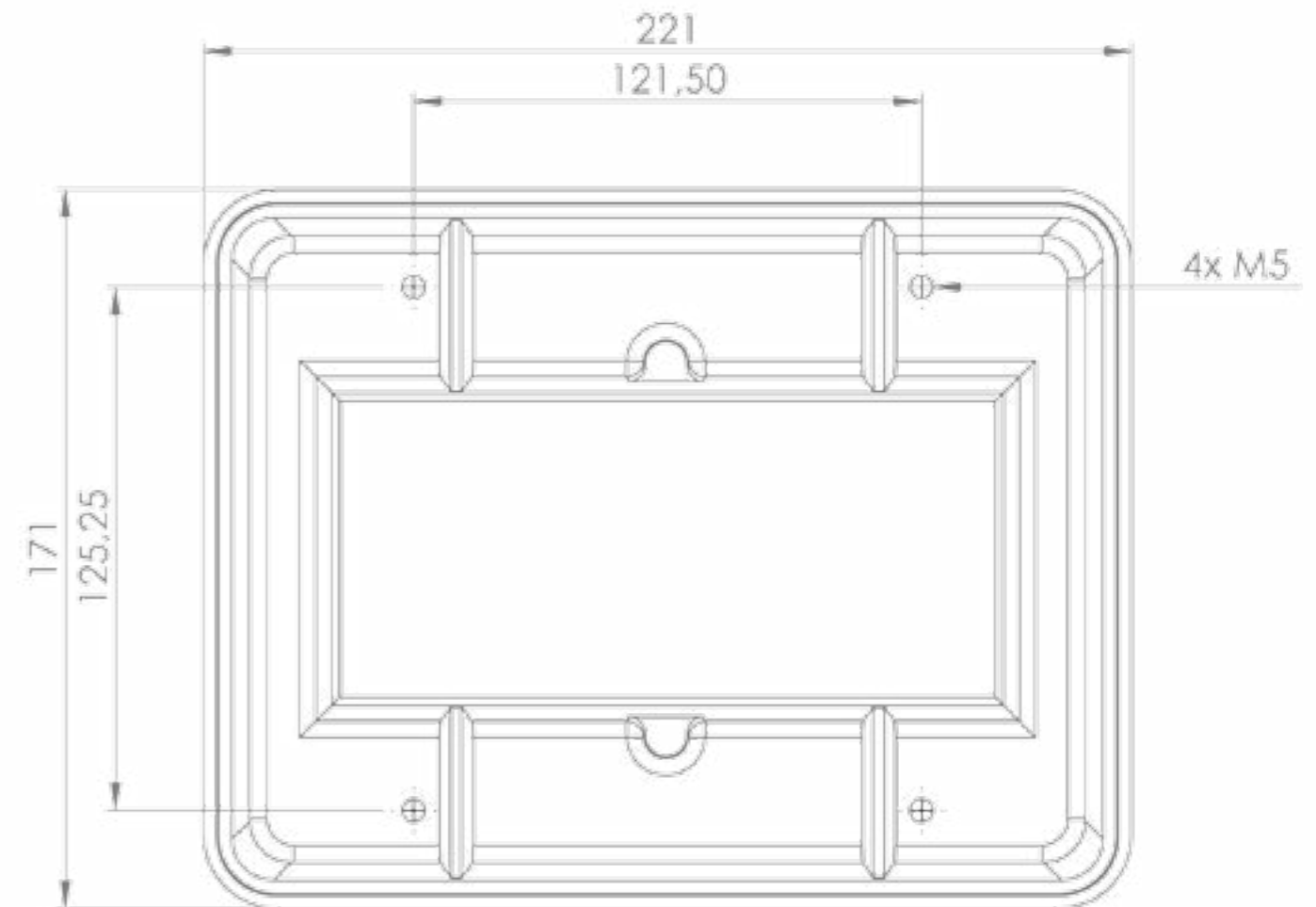
Intensity setting subject to solar availability

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MAIN DIMENSIONS



BASE DIMENSIONS



FEATURES



**Manual On/Off Push Button
 and Battery Status Indicator**



**Waterproof Charging Port for
 Solar Panel, Charging Unit or Cable**

ADDITIONAL CONTROL UNIT

DWT-UR-201 (Optional)

Key Features:

- Remote activation of Lighting Sytem via GSM / Air-Band Radio (optional)
- Adjustable lighting intensity
- Time out adjustable from 10, 15, 30 or 60 min (via GSM)
- Main source of power: 230 V / Backup Source of Power - 18 Ah, 12 V battery
- Solar powered version (optional)



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OPTIONAL SOLARPANEL

MASTER SLAVE ACTIVATION VIA RADIO WITH AUTOMATIC TWILIGHT SWITCH

