Ice Warning Sign

Technical Specifications:

Sign Structure: Three-sided frame made of steel profiles (20 × 20 × 2 mm), powder-coated.

Sign Panels: 3 panels measuring 800 × 800 mm, made of Dibond aluminium composite panels (CNC-milled) with a plexiglass backing, covered with ORALITE 5510-050 (reflective dark blue) and ORACAL 551 (white) films

Lighting: Cool white LEDs installed in 3 lighting fixtures behind each sign panel, powered by a 12V power supply with a 230V power cable

Control Module: Dedicated weatherproof LED controller with a temperature sensor (12–24V power supply, max. load 5A)

Support Pole: 1.5″ diameter galvanized steel pipe, 3.5 m long

Weight: Approx. 14 kg

Operating Principle

The ice warning sign automatically activates its lighting when the temperature drops below 2°C. The snowflake symbols on the sign panels begin to flash. LED backlighting ensures visibility during both day and night while maintaining low energy consumption. Warning messages on the sign: UWAGA Światło miga – oblodzenie / CAUTION Lights flash / risk of ice.

Installation:

The device is supplied in two parts. The frame, integrated with the sign panels, lighting, and control module, must be mounted onto the support pole and secured with 6 bolts. The device is designed for permanent installation in a concrete foundation. Ground conditions and wind loads must be taken into account during installation.



