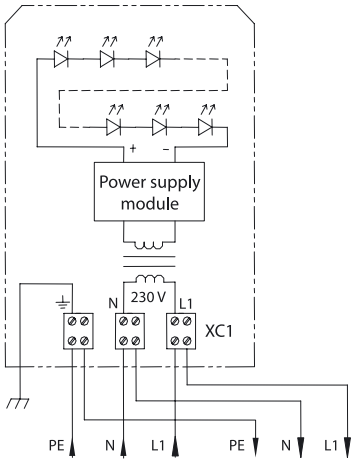
LOW INTENSITY OBSTACLE LIGHT SIGNAL PNL 1.1 AND PNL 1.2 TYPE

- Meets ICAO (PNL1.1) and FAA (PNL1.2) Regulation
- 230 V/50 Hz power supply
- Set of high luminous intensity LEDs as a source of light
- Compact design for easier assembly and disassembly of the signal light or its parts
- Low input 8 VA (PNL1.1) and 16 VA (PNL1.2)

General Description
Low intensity obstacle light signal type PNL 1.1 and PNL 1.2 are light signals with the permanent red colour light. They are used for identification of high structures that are or might be an obstruction for air traffic (smoke-stags, high-rise buildings, towers etc.).



Wiring block diagram

Basic Technical Description
The signal consists of optical unit and power supply box. These units are connected by two screws. At the bottom of the power supply box the signal is equipped by protective M6 grounding clamp.

The optical unit consists of transparent dioptre made of Simax molten glass and 3 (PNL 1.1) or 5 (PNL 1.2) levels of high intensity LEDs. In each level 24 LEDs is distributed in circle. Connection of LED diodes is in series.

The power supply box consists of a box, a transformer, a power supply module and a connecting terminal strip (XC1). The box is made of aluminium alloy. At the bottom of the box there are two seal bushings. One is used for a power supply line and the second one is blinded to connect additional signal light.

230 V/50 Hz line voltage is brought into a transformer. From a transformer the required voltage goes to the power supply module connected to the LED loop emitting red light.

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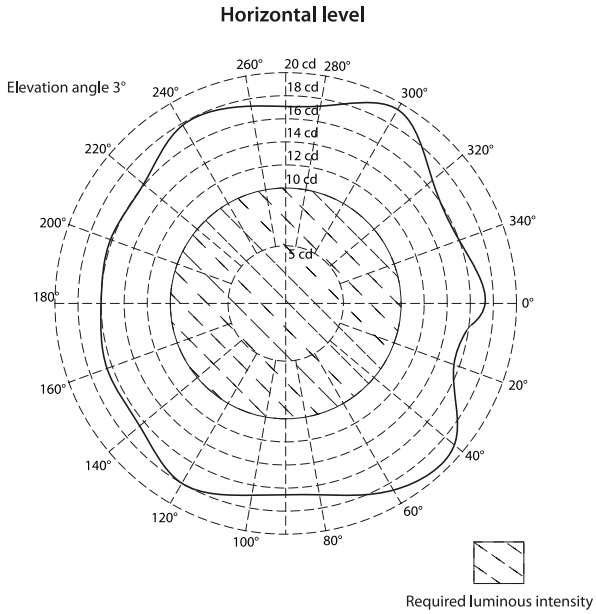
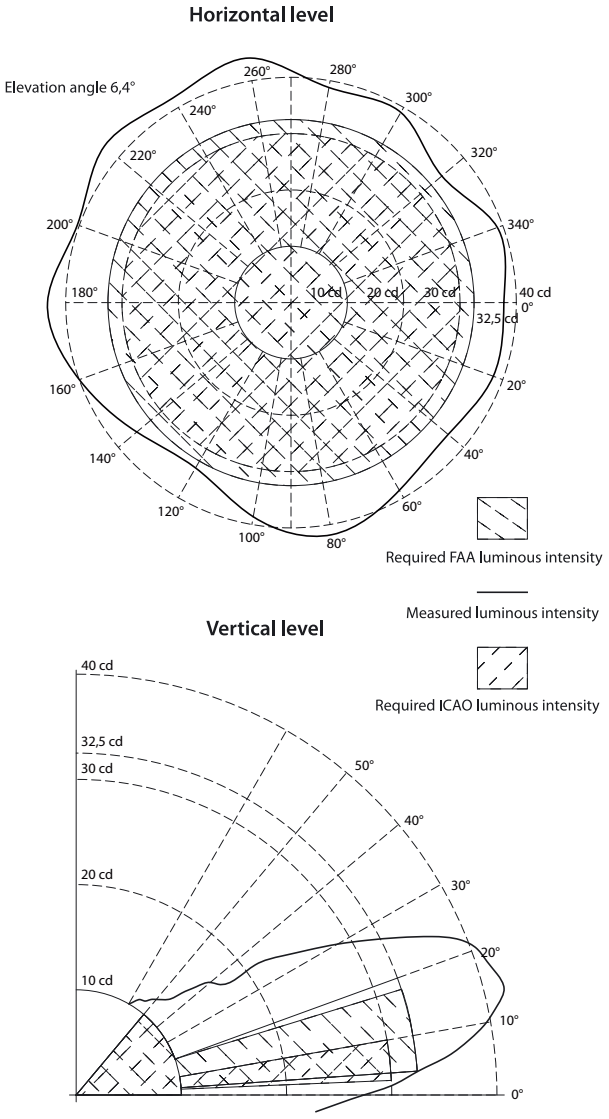
Basic Technical Parameters

Dimensions (w × h × d)	PNL 1.1	approx. 125 × 125 × 405 mm
	PNL 1.2	approx. 125 × 125 × 455 mm
Diameter × spacing of fixing screws		M6 × 80 mm vertically M6 × 100 mm horizontally M22 (bottom central attachment)
Weight	PNL 1.1	3,2 kg ±10 %
	PNL 1.2	3,4 kg ±10 %
Nominal input max.	PNL 1.1	8 VA
	PNL 1.2	16 VA
Nominal voltage		230 V ± 10 %, 50 Hz
Cover rating		IP 55



Signal light PNL 1.1 luminous intensity



Signal light PNL 1.2 luminous intensity