

Airport Lighting Systems

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OMNIPOL a. s. Prague, Czech Republic



95401

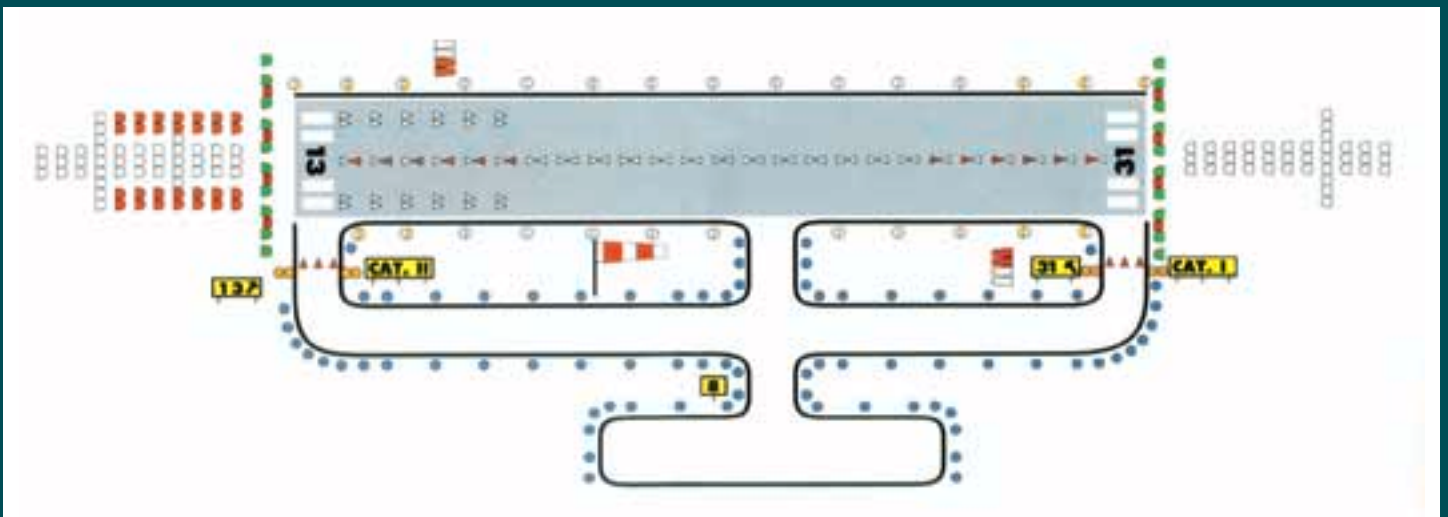


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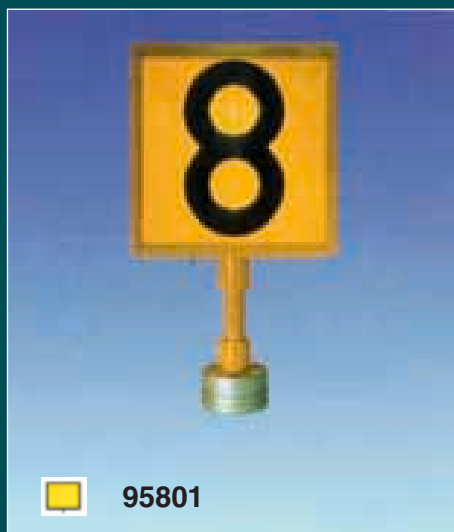
OMNIPOL a. s. is capable to supply a full range of airport lights complying with the latest requirements of ICAO Annex 14 standards for regional airports of the category I, II and III as well as for non-categorized airfields. The lighting systems include runway (uni- and bi-directional inset lights, omni-directional elevated lights, precision approach path indicators, elevated flashing lights) and taxiway lights (holding position lights, uncontrolled signs), mounting elements, complete cabling, installation and adjustment tools, remote control systems and power supply equipment. Lighting systems for heliports are also available. Complete range of product support services include spare parts deliveries, repairs and overhauls, training etc.




Special customer-tailored turn-key projects for airport expansions or renovations as well as for entirely new airports of any size with domestic or international air traffic can be prepared. All delivered systems and products are designed for operation in various climatic conditions (high or low temperatures, low visibility) and feature high accuracy and reliability, low operational costs, easy handling and simple maintenance.



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95201 *Uni-directional Elevated Reflecting High-intensity Lights*

are used as approach, threshold, threshold wing bar and runway end lights.

Lamps: type PK30d - 100 W (200 W), 6.6 A, 1,000 h. Net weight of one unit is 4.5 kg.

92302 *Miniature Omni-directional Elevated Lights*

are used as approach, threshold, runway end or taxiway lights in dependence on the airport category. Lights are used in four modifications (A - D). Lamps: type PK30d - 45 W (100 W, 200 W), 6.6 A, 1,000 h. Net weight of one unit is 1.5 - 2.3 kg.

95302 *Miniature Omni-directional Elevated Lights*

are used mainly as taxiway lights. Lamps: type PK30d - 33 W, 6.6 A, 1,000 h. Net weight of one unit is 0.6 kg.

95401 *Flashing Lights*

are used for marking out the extended runway center line and enable easier identification of approach lighting systems in low visibility conditions. The lamps are of the xenon discharge (80 W/sec, 1,000 V).

95605 *Uni-directional Inset Lights*

are installed in the surface of the runway (version A) and taxiways (version B).

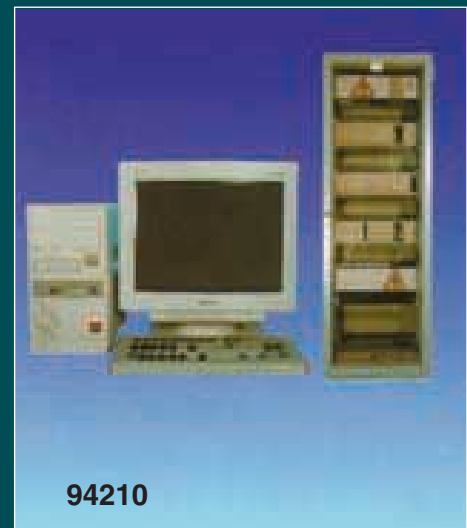
Lamps: type PK30d - 33 W (45 W, 100 W, 200 W), 6.6 A, 1,000 h. Net weight of one unit is 11.5 kg.

95651 *Bi-directional Inset Lights*

are installed in the surface of runways (version A) and taxiways (version B). Lamps: type PK30d (two pieces in each unit) - 33 W (45 W, 100 W, 200 W), 6.6 A, 1,000 h. Net weight of one unit is 11.5 kg.



94455 - 94460



94210

95293 Precision Approach Path Indicators (PAPI)

are a simple and reliable visual aid enabling pilots to establish an exact glide path to facilitate safe and precision guidance of airplanes during the final approach phase to the touchdown on the runway. Lamps: type PK30d (two pieces in each unit) - 100 W (200 W), 6.6 A, 1,000 h. Net weight of one unit is 15 kg.

95801 Uncontrolled Signs

provide information about the movement of planes and ground airport traffic. Signs are supplied in a set of five modifications (A - E) for different placements. Lamps: type PK30d - 45 W, 6.6 A, 1,000 h. Net weight of one unit is 6.3 kg.

95802 Holding Position Lights

form a part of the mandatory equipment of taxiway lighting system for the precision approach in the category III. Lamps: type PK30d - 45 W, 6.6 A, 1,000 h. Net weight of one unit is 10 kg.

94210 Airport Remote Control System

allows to control and monitor the airport lighting system supplied from the constant current regulator. The information is displayed in the form of tables and diagrams.

AMS Control and Monitoring System

is designed for comfortable and safe operation of technical equipment at the airport. It collects information influencing operation under the ICAO conditions of the cat. II and III. The system enables control and monitoring of constant current regulators, energetics, meteorology, diesel generators, UPS, radio navigation, fire and safety alert, AFTN, time (GPS or DCF), AIP, voice output and data recording.

94455 - 94460 Constant Current Regulators

are designed for the supply of airport lighting series circuits at various intensity levels (5 - 7). Their power output is 3, 6, 8, 16, 24 and 32 kVA. Net weight is from 86 up to 376 kg.

TCR.2 Constant Current Regulators

are designed for the power supply of serial current loops of airport lights. The regulators comply with the FAA Advisory Circular AC. Their power output is 4, 10, 20 and 30 kVA at the luminous intensity degree 5 - 7. Net weight is from 126 up to 268 kg.

Mobile Airport Set

is designed for a short or long-term operation under any weather conditions. The set contains all necessary equipment for the airport operation as well as for a longer stay of operators. One set of a mobile airport in the basic configuration consists of six modules (normalised 20' ISO containers) and contains airport lighting system, diesel generators and fully equipped airport tower. The basic configuration set enables to operate an airport with one runway up to 3,000 x 45 m.

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