

POLAM-ELTA Sp. z o.o.

LED DIODES

LED CONTROL LAMPS

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COMPLIANCE DECLARATION

NR 3/09/2007

Producer: POLAM-ELTA Sp. z o.o.
Jerozolimskie Avenue 202
02-486 Warsaw

KRS Nr: 0000190790
REGON: 001416903

We declare with a full responsibility that **LED signal lamps $\phi 20$** we manufacture:

LG , LW , LY , LR , LB , LO , LRG , LRY , LYG , LRGY (parameters in accordance with catalogue data) comply requirements imposed by:

1. **Low Voltage Directive**

LVD2006/95/WE

2. **The standard norms (relating to the particular parts of a product):**

- PN EN 612 36:2002 Works under voltage – bipolar indexes Nn
- PN-E-90500-1:2001 Wires of polyvinyl chloride insulation 450/750
- PN-80/E-85050 miniature light bulbs of general use
- PN-EN 983:2000 miniature light bulbs

The year of obtaining CE sign: 07

Warszawa 10.09.2007

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Miejsce i data wystawienia

PREZES ZARZĄDU

Ireneusz Tonder

.....
*Nazwisko, stanowisko i podpis
osoby upoważnionej*

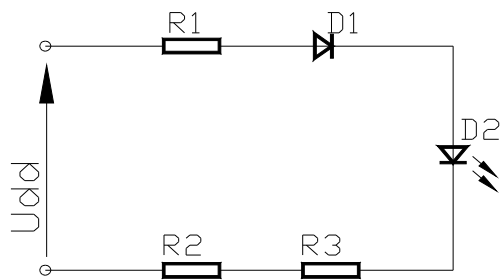
1. Product description:

The declaration is concerned about LED signal lamps produced for a number of voltage ranging 24V-230V – AC (24 V; 30 V; 48V; 60V; 110V; 220V; 230V). The lamps are designed for electric accessories use.

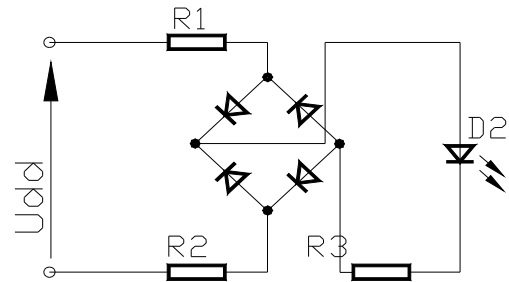
2. Technological documentation:

All the signal LED lamps are based on the following circuitry

Half-wave rectifier

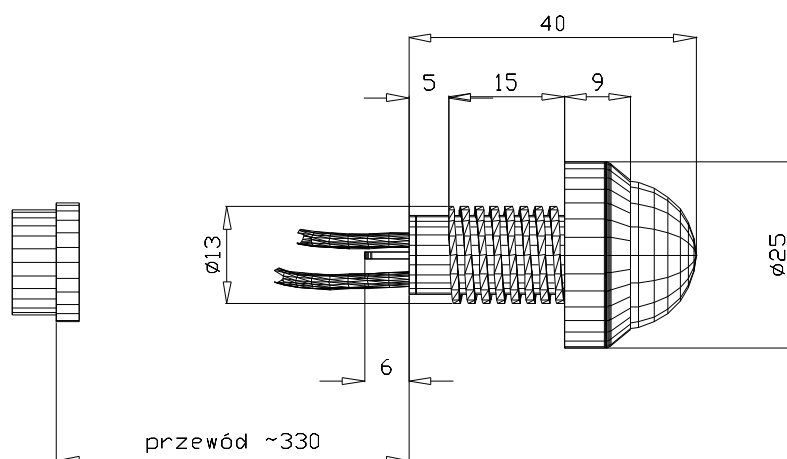


Full-wave rectifier



The elements of casings are made from ABS material. Electric connections are made on glass-epoxy laminate of 1 mm ply. The main wire LGY 0,5v is of 0,5 mm² section 450V / 750 V or connectors j 2.8. For 230 V-AC voltage, power consumption is 0,8W and for 24V-AC, it is 0,25 W.

- signal lamp $\phi 20$



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Technical parameters of lamps (230V-AC)

Color	Luminosity (mcd)	Wave length (nm)	Power
red [R] mat	300-320	635	0,8 W
red super [R] mat	2800-3000	635	0,8 W
green [G] mat	200-220	530	0,8 W
yellow [Y] mat	180-200	590	0,8 W
orange [O] mat	300-320	610	0,8 W
blue [B] mat	100-120	470	0,8 W
white [W] mat	350-400	-	0,8 W

mat : $201/2 = 180^\circ$, $P = 0,8 \text{ W}$

Technical parameters of lamps (24V-AC/DC)

Color	Luminosity (mcd)	Wave length (nm)	Power AC/DC
red [R] mat	700AC/1300DC	635	0,5 W
red super [R] mat	3000AC/6000DC	635	0,5 W
green [G] mat	500AC/1000DC	530	0,5 W
yellow [Y] mat	500AC/1000DC	590	0,5 W
orange [O] mat	600AC/1100DC	610	0,5 W
blue [B] mat	300AC / 600DC	470	0,5 W
white [W] mat	800AC/1800DC	-	0,5 W

mat : $201/2 = 180^\circ$, $P = 0,5 \text{ W}$

Date of modernization: 09-03-2012