

POLAM-ELTA Sp. z o.o.

LED DIODES

LED CONTROL LAMPS

www.polamelta.com

e-mail: polamelta@polamelta.com.pl

Jerozolimskie Avenue 202

02-486 Warsaw, POLAND

tel. (+48) 22-837-22-07

fax (+48) 22-207-24-28



COMPLIANCE DECLARATION

NR 1/09/2007

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 $\phi 5$** 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

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*Nazwisko, stanowisko i podpis
osoby upoważnionej*

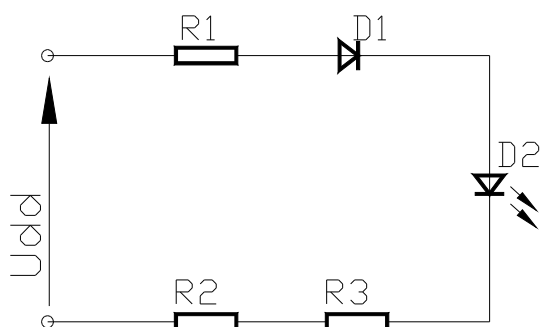
1. Product description:

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:

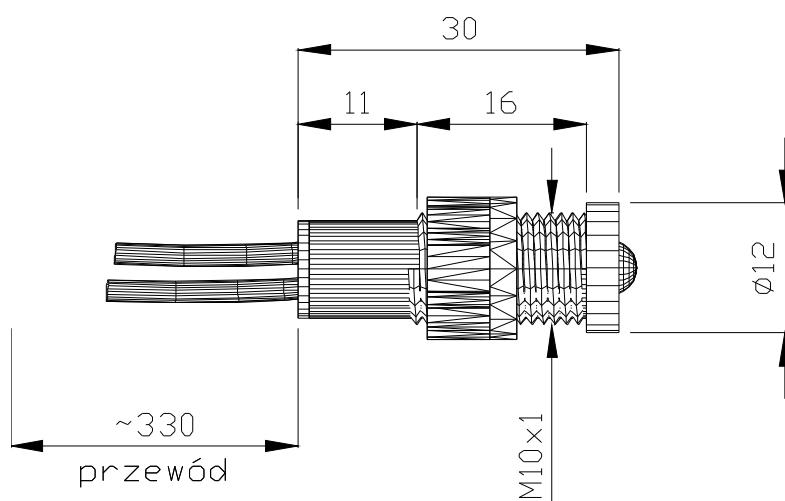
All the signal LED lamps are based on the following circuitry:

Half-wave rectifier



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. For 230 V-AC voltage, power consumption is 0,8W and for 24V-AC, it is 0,25 W.

- signal lamp $\phi 5$



LED CONTROL LAMPS $\phi 5$



Technical parameters of lamps (230V-AC)

Color	Luminosity (mcd)	Wave length (nm)	Power
red standard [R] mat	9 - 11	635	0,8 W
red super [R] mat	260 - 300	635	0,8 W
red super + [R] mat	3000 - 3500	635	0,8 W
green [G] mat	550 - 650	530	0,8 W
yellow standard [Y] mat	20 - 25	590	0,8 W
yellow super [Y] mat	300 - 350	590	0,8 W
orange [O] mat	280 - 300	610	0,8 W
blue [B] mat	180 - 220	470	0,8 W
white [W] mat	700 - 900	-	0,8 W

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

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

Color	Luminosity (mcd)	Wave length (nm)	Power AC / DC
red standard [R] mat	25 - 28	635	0,25 / 0,5 W
red super [R] mat	1000AC/2000DC	635	0,25 / 0,5 W
red super + [R] mat	3000AC/6000DC	635	0,25 / 0,5 W
green [G] mat	1450AC/3500DC	530	0,25 / 0,5 W
yellow standard [Y] mat	50 - 80	590	0,25 / 0,5 W
yellow super [Y] mat	750AC/1600DC	590	0,25 / 0,5 W
orange [O] mat	1200AC/2500DC	610	0,25 / 0,5 W
blue [B] mat	220AC / 420DC	470	0,25 / 0,5 W
white [W] mat	3000AC/6000DC	-	0,25 / 0,5 W

mat : $201/2 = 180^\circ$, P = 0,25 / 0,5 W

Date of modernization: 09-03-2011