



MAFELEC

Creating control and signalling solutions for harsh environments

# LED for Ba9s holder

Divide by 100  
the interventions on indicator lights



## Replace your filament bulbs

Reduce the maintenance operations on your indicators by 100

- **EMC reinforced**
- **Protection against overvoltage**
- **transient voltage shock waves**
- **Control of electric ignition threshold**
- **High luminosity**
- **Non-polarized**



### Standards:

- **Conception** IEC 60947-5-1, IEC 60061-1
- **Application** EN 50155
- **EMC** EN 50121-3-2
- **Shock/vibrations** IEC 61373
- **REACH, RoHS**

### Mechanical characteristics:

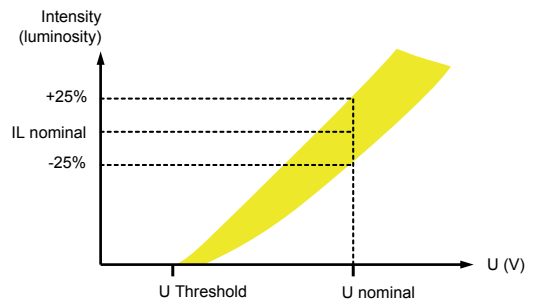
- Socket: Ba9s
- Height: 28 mm
- Operating temperature: - 40°C to + 85°C
- Storage temperature: - 40°C to + 85°C
- High mechanical resistance (potting)
- Indication of the voltage according to the color of the plastic ring

### Electrical characteristics:

- LED technology
- Voltage: 12, 24, 52, 36, 72, 110 V AC-DC (-30% / +25%)
- Consumption: ~10mA
- Non-polarized
- Overvoltage: 1.4 U nom./ 1s - 1.6 U nom./ 100 ms
- No flicker
- Transient: 1.8kV 1.2/50µs

### Lighting characteristics:

- Color: warm white (2000°K to 4000°K)
- High luminosity (from 600 to 1400 mCd according to the voltage)



Nominal voltage	Nominal current	Lighting threshold	Nominal luminous intensity +/- 25%	Ring color
12V	13mA	6.5V	1400mCd	
24V	13mA	14V	1200mCd	
36V	13mA	14V	1200mCd	
52V	9mA	28V	1000mCd	
72V	9mA	28V	800mCd	
110V	7mA	28V	600mCd	



AEROSPACE & DEFENCE



COACHES & BUSES



RAILWAY



INDUSTRY



ENERGY



PLEASURE BOAT



VERTICAL TRANSPORT



INDUSTRIAL VEHICLES



OFFSHORE & MINING

MAFELEC  
www.mafelec.com

Textes et images non contractuels

(update 2017/06)