CML INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT

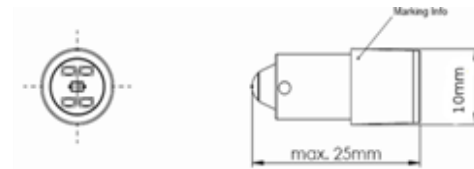## Features:

- High brightness LEDs
- Under voltage shutdown (<24V)
- Low power consumption (<0,2W)
- Long lifetime (>20000h)
- Fail-safe
- According DIN EN50155 class TX

Dimensions:

Lamp base in accordance to DIN EN 60061-1: BA9s

Technical Data:

Colour:		red	
Wavelength:	peak	640	nm
Wavelength:	dominant	625	nm
Colour temperature:	typical		
Chromaticity coordinate:			
Luminous intensity:	typical	0,4	lm
Viewing angle:		120	°
Voltage	nominal	110	V
Voltage	rated	126,5	V
Voltage	lowest perm.	77	V
Voltage	highest perm.	137,5	V
Voltage	non-perm.	66	V
Voltage	Non-perm.	154	V
Current	typical	2,0	mA
Power consumption	typical	<0,2	W
Durability	min	20.000	h
Storage temperature		-40 +80	°C
Ambient temperature		-40 +80	°C

Marking info — label of origin ; nominal voltage ; production code

Standards achieved — DIN EN 50155 compliant

Specials — 4 LEDs in series are used to illuminate the lamp while 2x2 LEDs are protected. In case one LED fails the other pair of still functioning LEDs is working. The light output is half in order to indicate the malfunction and the need for replacement.

General:
Due to production tolerances of the LED, colour temperature variations may be detected within individual consignments.
Illumination and electrical data are measured at DC operating and an ambient temperature of 25°C.
Colour Coordinates Measurement allowance is ± 0.01. Durability estimated at nominal voltage and 25°C ambient temperature.