

Fixe and flashing Bicolor Lamp

FBCL - Single-phase - Ø 22mm

Faz/engineering 
Innovative and industrial signage and applications

by **Fazim**/Group 



Reference :

FBCL - VOLTAGE + CA + COLORS + 22

Example : FBCL230CARV22

Generalities

FBCL is a signal bicolor LED lamps in fixe and flashing light. These lamps emit a fixe green, red or orange light for « voltage presence » or « device monitoring », and red flashing light for « Alarm ». The proven robustness of these lights, you can install them in humid and disturbed environments.

Description

- **Body** : Co-polyamide , fixing plastic nut, diameter 22 mm (0.866"), IK10, IP67 in front face, through the flat gasket provided, RoHS compliant, CE, UL 94 V-0.
- **Front face** : 3 bicolor LED : red (R), green (V) high brightness + 1 transparent cap.
Other colors available on request.

Technical specifications

- **Supply voltages (+/-20%) and average consumptions in fixed light in 50/60 Hz :**

Voltages Colors	12Vca	24Vca	48Vca	110Vca	115Vca	127Vca	230Vca	400Vca
R, V	115 mVA Cos φ : 1 Résistive	230 mVA Cos φ : 1 Résistive	755 mVA Cos φ : 0.1 Capacitive	1.75 VA Cos φ : 0.1 Capacitive	1.82 VA Cos φ : 0.1 Capacitive	2.1 VA Cos φ : 0.1 Capacitive	2.8 VA Cos φ : 0.1 Capacitive	4 VA Cos φ : 0.1 Capacitive
Other colors	Not indicated Cos φ : 1 Résistive	Not indicated Cos φ : 1 Résistive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive

- **Conformities** : Norms EN55015, EN61547, EN61000-6-2, EN61000-6-4, RoHS, Reach, CE.
- **Lifetime (MTBF*)** : 100 000 hours.
- **Operating temperature** : -30°C à +70°C (22°F to 158°F).
- **IP protection standard** : IP67 (in front face).
- **IK protection standard** : IK10.

(* : mean time between failure)

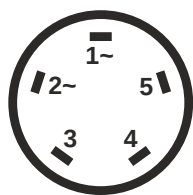
Advantages

- Insensitivity to vibrations, mechanical shocks.
- Resistance to moisture and water splashes.
- Electrical shocks resist : 5KV during 50µs.
- Immunity against magnetic fields.
- Assembly and disassembly easy, fast and secure .
- Exceptionally long life and unparalleled.
- Low power consumption and heat dissipation.

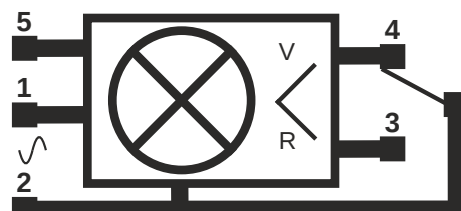


Connections

- 5 Quick-Fit male terminals 2.8mm (0.11")

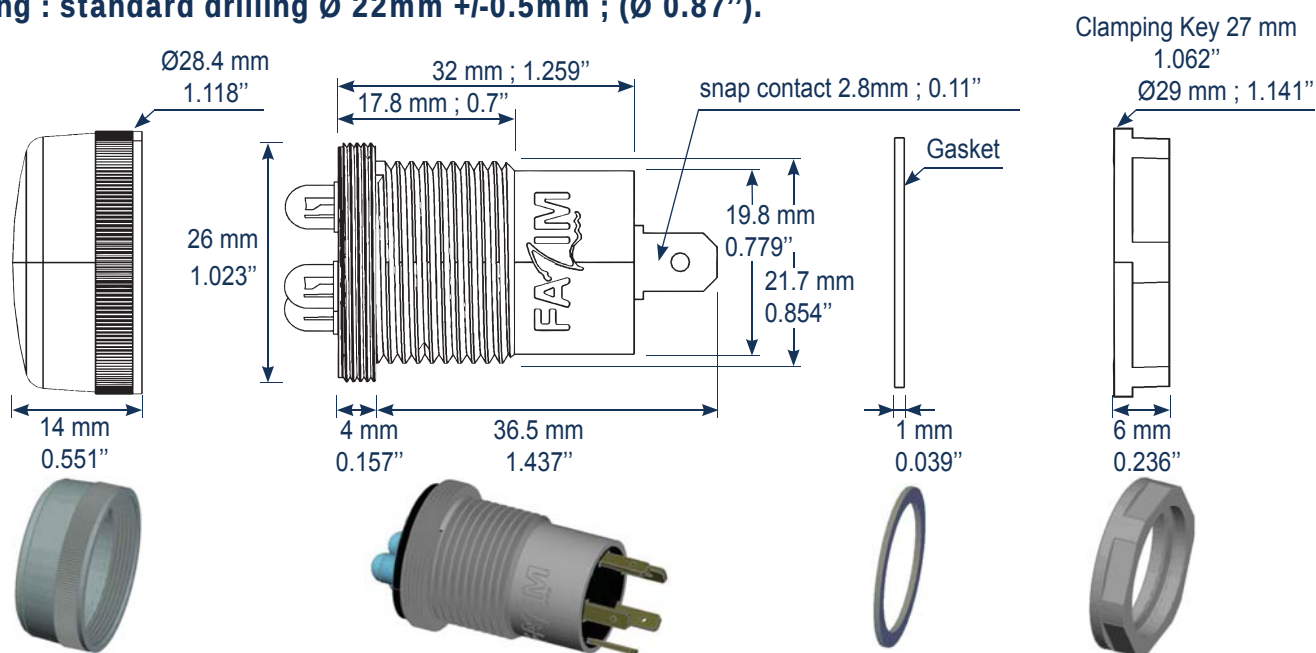


- 1 : common (Neutral)
 2 : Supply on fixed light (Phase)
 3 : linked from 2 = fixed red
 4 : linked from 2 = fixed green
 5 : flashing supply in red only
 See also chapter «WORKING»



Mechanical specifications

- Fixing : standard drilling $\varnothing 22\text{mm} \pm 0.5\text{mm}$; ($\varnothing 0.87''$).



Working

- Off :



- On :



voltage between 1 & 2
 3 & 4 unwired



voltage between 1 & 2
 3 connected to 2



voltage between 1 & 2
 4 connected to 2



voltage between 1 & 2
 3 & 4 connected to 2



voltage between 1 & 5
 Flashing ~1Hz



Options & warranty

- **Options** : Other voltage on request, color LED, color cap, output wiring terminals or snap contact with screw...
- **Warranty** : 24 months manufacturer. No Quick-Fit Terminal Male must be welded or lose the guarantee.
- **Recommendation** : The Quick-Fit Terminal Male must be completely covered with isolation that can be removed only by destruction.