

# Bright modular housing

AC voltage / BMLB : 96x96x65mm



Reference :

BMLB + Voltage + CA + number + F + Color(s)  
of fonction

Example : BMLB230CA4FBc

Specify options : test lamps (EL), Push button, ...  
provide the map screen printing.

## Generalities

The built-in LED modular housings , allow the visualization in one box, several functions. Thanks to their minimum length dimension, the modular housings will easily integrate in your cabinet doors and process. 1 to 8 functions, colors and custom text, the devices connect via a terminal block located and marked on the back.

## Description

- Enclosure : Black NORYL (UL 94-V1), size : 96 x 96 x 65mm (3.78"x3.78"x2.56") , built-in with fixing device, norms CEI 61554, DIN 43700. Built-in Cut-out 92mm x 92mm (3.62"x3.62"). Rohs. IP54/42 possibility IP65.
- 1 terminal : Pitch 5mm (0.197"). X electrical terminals screws. Possibility of adding a lamp test terminal (EL). [X = (nb of functions + ((nb de fonctions)/2) + (2.EL)).common + 2.EL (lamp test) (in option)].  
Ex : 4 Fcts + EL X = (4+((4/2)+2)+2) = 10 terminal screws.
- Front face : 48 color LEDs, high brightness : red (R), green (V), amber (A), white (BC) or blue (BE). Printed text protected by Plexiglass window. Gravoglass independent panes (see options).

## Technical specifications

- Supply voltage and consumption for 1/4 function, (+/-20%) at 50Hz :

Voltages Colors	12Vac	24Vac	48Vac	127Vac	220Vac	400Vac
R, J, I, O	180 mVA Cos φ : 1 Résistive	360 mVA Cos φ : 1 Résistive	-	-	7.3 VA Cos φ : 0.1 Capacitive	-
V, B, Bc	240 mVA Cos φ : 1 Résistive	480 mVA Cos φ : 1 Résistive	-	-	-	-

- 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 : IP 54/42 possibility IP65 (option)

(\* : mean time between failure)

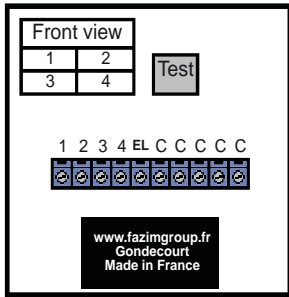
## Advantages

- 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.
- Custom writing, custom silk-screen printing ability.



## Electrical connections of the box

• Rear view :



• example : 4 functions, Push-button + Lamp test terminal

1 : Function 1, (1st box in top left on silk-screen printing to the front),  
 → Supply voltage (Ph1),

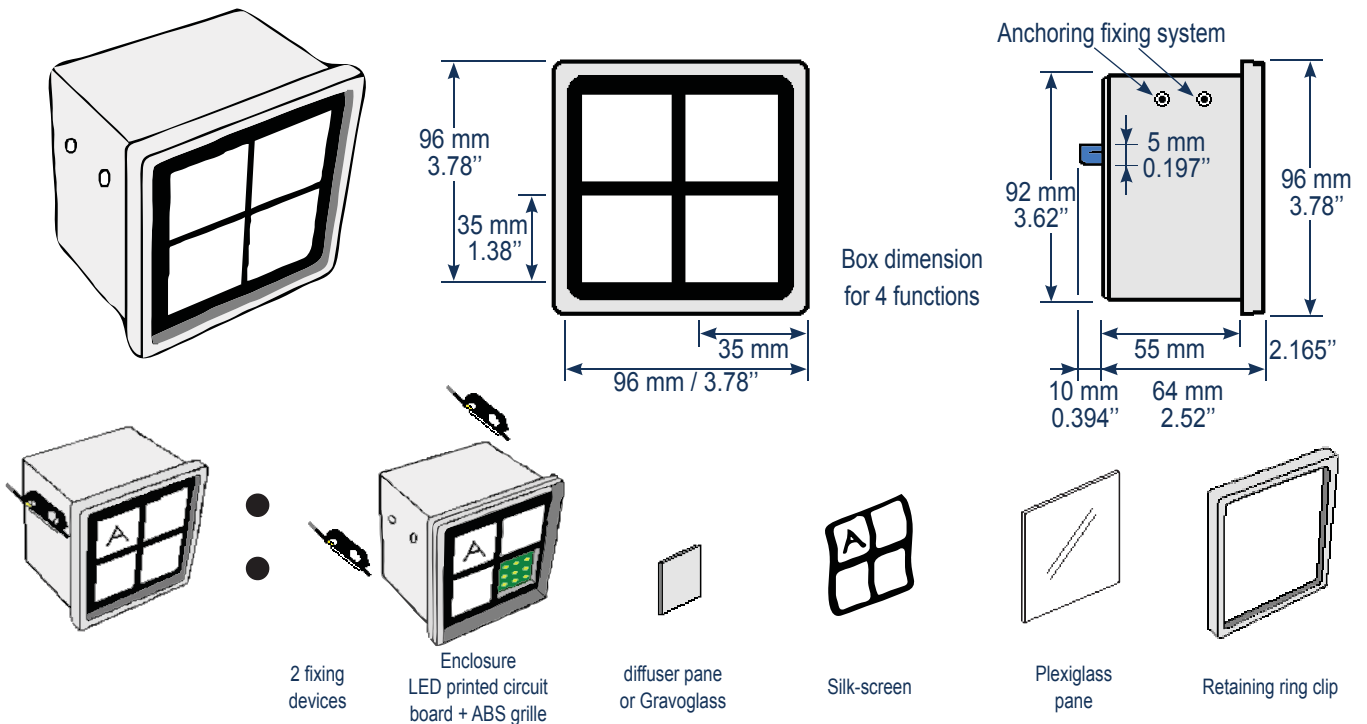
4 : Function 4, (last box in bottom right on silk-screen printing to the front),  
 → Supply voltage (Ph1),

EL : Lamp test, (EL)(in option), lights all the box ! lamp test button (BP) (additional option)  
 → Supply voltage (Ph1), and/or press the push-button «test»,

C : Common of all functions as well as the lamp test,  
 → Supply voltage (Neutral or Ph2).

## Mechanical specifications

• Fixing : recessed cutting 92mm x 92mm (3.62"x3.62"). fixing device provided.



## Examples of options:



## Options & Warranty

- Options : on request, other voltages, frequency, wiring output, lamp test terminal (EL), lamp test push button [1], voltage filter, voltage threshold, colors LED mixing, two-colors LEDs, RGB color change, other silk-screen, flashing Gravoglass [2], ... (See also other size). external driving (RS232 or other).
- Warranty : 24 months manufacturer. No terminal or other metallic thing must be welded or lose the guarantee.
- Recommendation : Cable section, more or equal to 0.6mm<sup>2</sup> up to 48Vdc, and more or equal to 1mm<sup>2</sup> beyond 48Vdc. Cable ends must be finished with any crimp terminal.