

# Traffic Lights modular

AC voltage - Ø 300mm

**Faz**/engineering  
Innovative and industrial signage and applications

by **Fazim**/Group



Reference :

*FZ300 + number of + Voltage + CA + Colors modules*

Example : FZ3001230CAR

## Generalities

Traffic lights, diameter 300mm, fixed or flashing light, for equipments for signaling security. Ideal in the railway sector, the modular design allows their different configurations. The proven robustness of these devices, you can install them in humid and disturbed environments.

## Description

• Body : Black polycarbonate , dyed from the block, treated anti U-V. modular assembly + gasket.  
Lens holder black door. Hinged lid, closing clips, A2 stainless steel locking bolts allen. Rohs, CE, UL 94 V-0.

• Bindings : The flange in black polycarbonate. Orientation 180 °.

• Lens : Thermoformed altuglas structured crystal type :



Honeycomb



Spider's web

• Electronic circuits : Printed circuit board with power LED very high brightness, separated into two parts. 12 LED, colors choice : Red (R) (800 lm), Green (V) (1200 lm), Blue (Be) (420 lm), cool white (BcF) (1600 lm), neutral white (BcN) (1200 lm), Amber (J) (840 lm). supply circuit with fuse protection. Rohs, Reach, CE.  
On request, 4 possible optional settings : (fixe, flashing, flash, customised).

## Technical specifications

• Supply voltage 50/60Hz (+/-20%) & consumptions in fixed light :

Voltages	24Vac	48Vac	from 90 to 230 Vac	from 150 to 400Vac
Colors				
R, J, V, Be, BcF, BcN	-	-	16 W	24 W

- Conformities : Standards EN55015, EN 50121-4, 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 : IP55.
- Electrical class : Class 1 (possibility class 2 & 3\*\*).

(\* : mean time between failure)

(\*\* : According your supply voltages)

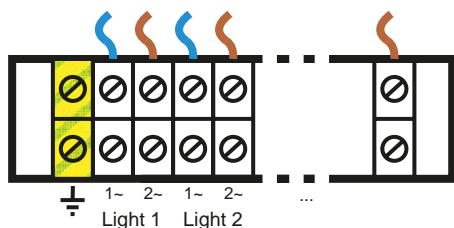


## Advantages

- 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.

## Connections

- terminal block , wiring terminals (3m ; ~118"), or plug connector.



Connection In the down enclosure.

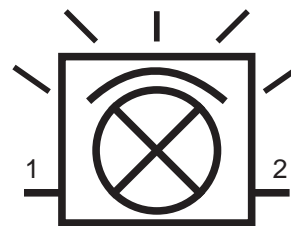
Connection in 2 possible ways.

Wiring example :

1 : Neutral

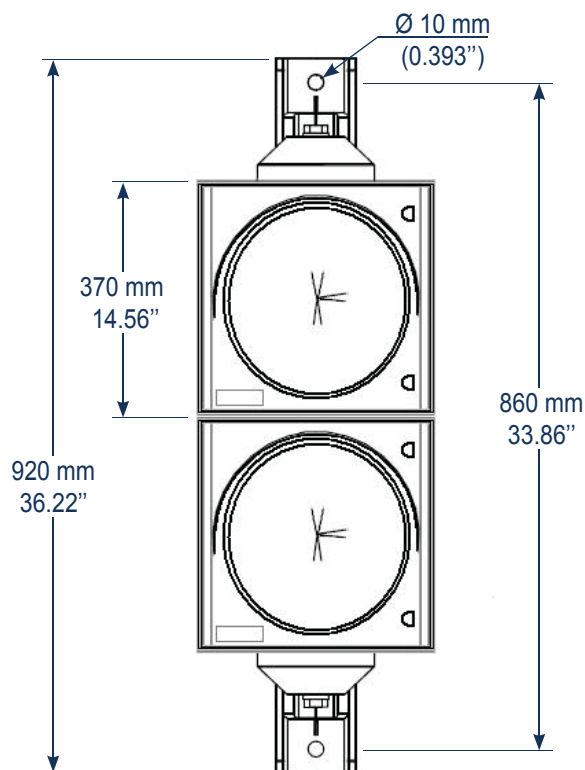
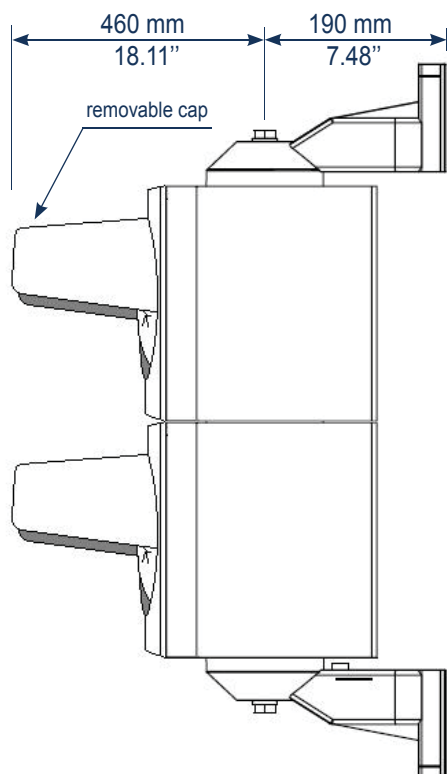
2 : Phase

## Electrical symbol



## Mechanical specifications

- Fixing : standard M10, with flange. spacing 120mm (4.72") + (n modules x 370mm (14.56")).



## Options & Warranty

- Options : On request, other voltages, filter, Wiring terminals, lens, pattern of the lens (eye, arrow, bar tram, ...), brightness ajustement, flashing, horn 90db/1m, Door retaining chain, bolts inviolable, specific control (RS232, RS485, ...), forwarding information, counter, autopilot for crossroads, railway, metal enclosure ...
- Warranty : 24 months manufacturer.