

Traffic Lights modular

DC voltage - Ø 100mm

Faz/engineering®
Innovative and industrial signage and applications

by **Fazim**/Group



Reference :

FZ100 + number of + Voltage + CC + Colors modules

Example : FZ100248CCRv

Generalities

Traffic lights, diameter 100mm, 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, A2 stainless steel locking bolts allen. Rohs, CE, UL 94 V-0.
- Lens : Thermoformed altuglas structured crystal type 'honeycomb'. (other : on request)
- Bindings : The flange in black polycarbonate. Orientation 180 °.
- Electronic circuits : Printed circuit board with LED high brightness. Colors choice : Red (R), Green (V), Blue (Be), White (Bc), Amber (J) + supply circuit with fuse protection. Rohs, Reach, CE.
- 4 possible optional settings : (fixe, flashing, flash, customised). (96 LED)

Technical specifications

- Supply voltage et consumptions (+/-20%) :

Voltages Colors	24Vdc	48Vdc	72Vdc	110Vdc	220Vdc	400Vdc	750Vdc
R, J	2.5 W	5 W	-	-	-	-	-
V, Be, Bc	1.5 W	2.5 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)

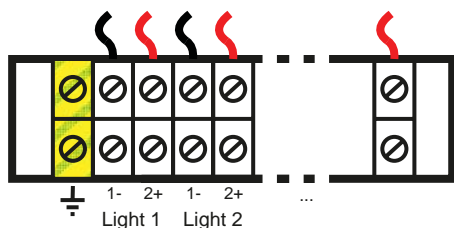


Advantages

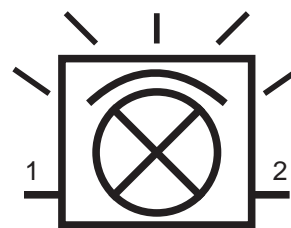
- Insensitivity to vibrations, mechanical shocks.
- Resistance to moisture and water splashes.
- Electrical shocks resist : 5KV during 50µs.
- Immunity against magnetic fields.
- Assembly and disassembly easy, fast and secure.
- Exceptionally long life and unparalleled.
- Low power consumption and heat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

Connections

- terminal block or wiring terminals (3m ; ~118"). In the down enclosure.

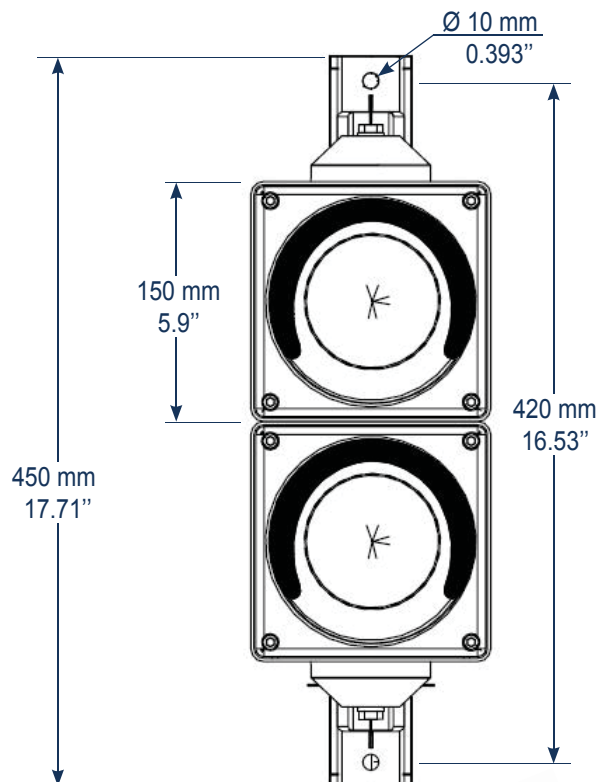
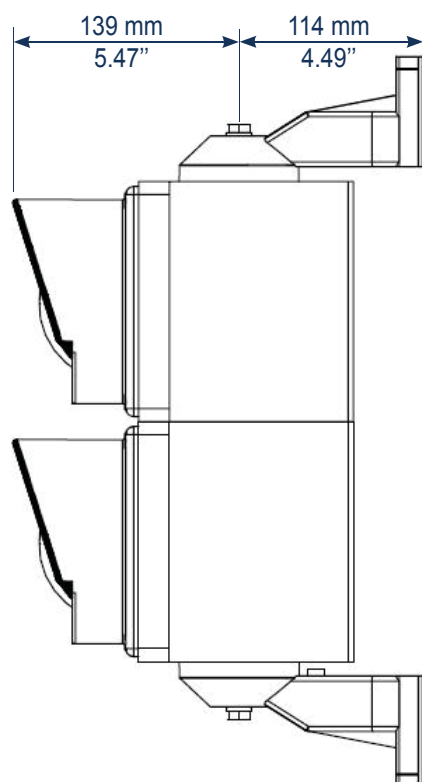


Electrical symbol



Mechanical specifications

- Fixing : standard M10, with flange. Spacing 120mm (4.72") + (n modules x 150mm (5.9")).



Options & Warranty

- Options : On request, other voltages, electronic and complementary housing in electrical class 2 (class 3 according your Very Low Voltage supply), filter, Wiring terminals, lens, pattern of the lens (eye, arrow, bar tram, ...), flashing, horn 90db/1m, Door retaining chain, bolts inviolable, specific control (RS232, RS485, ...), forwarding information, counter, autopilot for crossroads, metal enclosure ...
- Warranty : 24 months manufacturer.