

# Signal lights - Ø 120mm

DC voltage - Single or double sided

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

by **Fazim**/Group



Reference :

*FZ120 + Unidirectional + Voltage + CC + Colors  
ou Bidirectional*

Example : FZ120U24CCV

+ Specify options (flashing, setting, fixings, filter, ...)

## / Generalities

Traffic lights Ø 120 mm are devices with 1 or 2 bright sides, fixed or flashing for the safety signs. Thanks to their various mounting configurations, we find them more often in industry, mobile barriers on tow and rescue vehicles and also in the railway domain.

## / Description

- Body : Light gray ABS dyed, Rohs.
  - Lens : Translucent PMMA, dyed, structured type «grooved», Rohs.
  - Fixings : Closing the housing on lens and rear hood by Hex bolts or cruciform stainless A2 M4. Fixing the device by provided M4 screw, 30mm spacing, and / or support expanded PVC, 150mm spacing, or by a hollow threaded rod M10x45 (on request).
  - Electronic circuits : Printed circuit board with high brightness LED, colors choice : Red (R), Green (V), Blue (Be), White (Bc), Yellow (J), Orange (O) + integrated supply circuit. Rohs, Reach, CE compliant.
- 4 possible to specify optional configurations: (Fixed, Flashing, Short Flash, Custom). (60 LED per side).

## / Technical specifications

- Supply voltage (+/-20%), & consumptions in fixed light :

Voltages	12Vdc	24Vdc	48Vdc	72Vdc	100 to 300 Vdc	180 to 500Vdc
Colors						
R, J, O	2.4 W	2.4 W	3 W	-	4,25 W at 220Vdc	5,2 W to 400Vdc
V, Be, Bc	4.1 W	4.1 W	5.1 W	-	7,2 W to 220Vdc	8,7 W to 400Vdc

- Conformities : Normes EN55015, EN61547, EN61000-6-2, EN61000-6-4, RoHS, Reach, CE.
- 72VDC version : Meet the standards EN50155.
- 750VDC version : With converter enclosure (750/48VDC).
- Lifetime (MTBF\*) : 100 000 hours.
- Operating temperature : -30°C à +70°C (22°F to 158°F).
- IP protection standard : IP55

(\* : mean time between failure)



## / Advantages

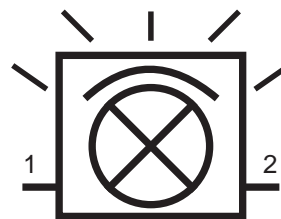
- Insensitivity to vibrations, mechanical shocks.
- Resistance to moisture and water splashes.
- Electrical shocks resist : 5KV during 50µs.
- Immunity against magnetic fields.
- Assembly and disassembly easy, fast and secure .
- Exceptionally long life and unparalleled.
- Low power consumption and heat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

## Connections

- Connector or wires output : 3m (9,84 Ft) .

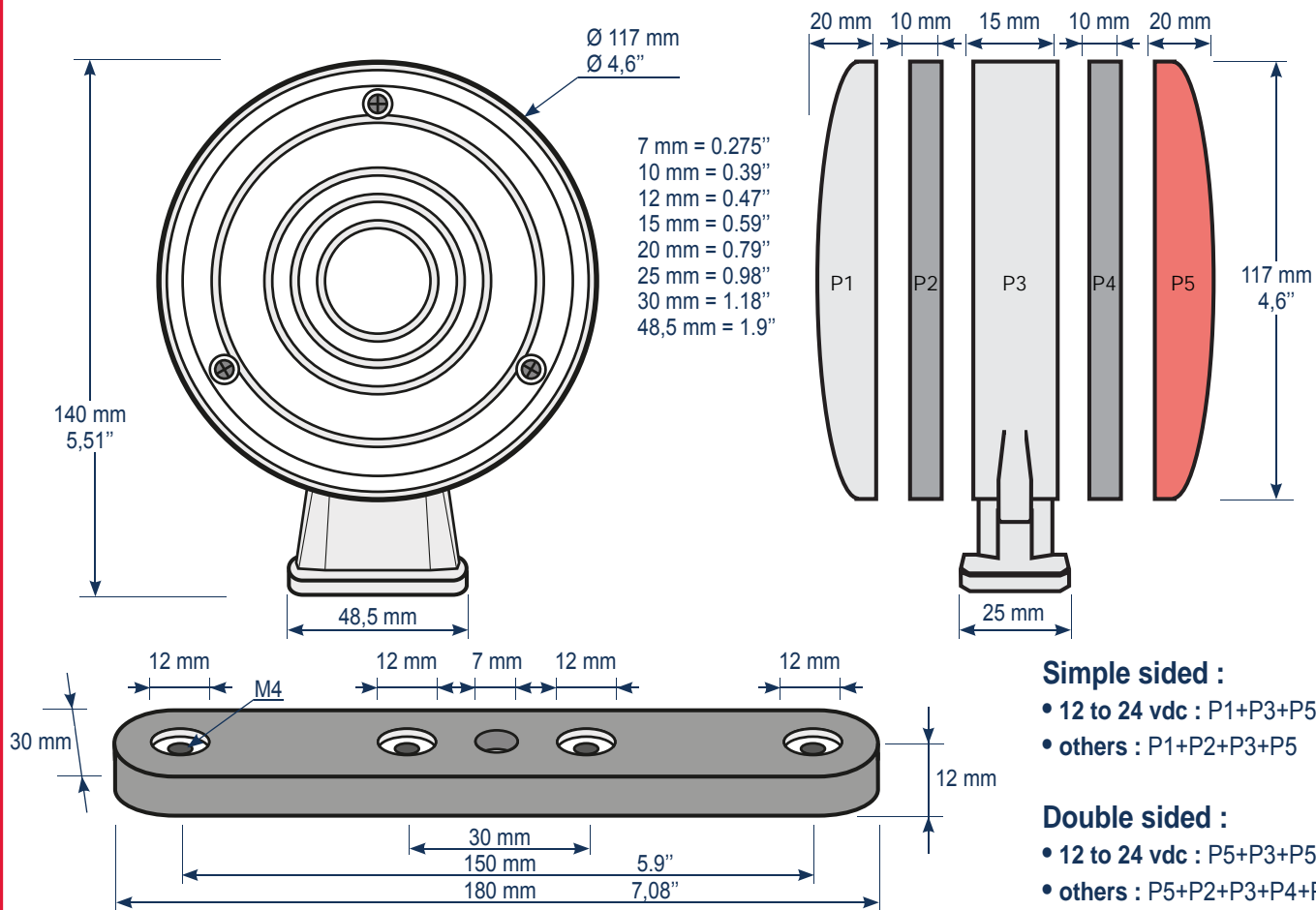


Wiring in 2 possible senses !



## Mechanical specifications

- Fixing : M4, with foot (spacing 150mm), without foot (spacing 30mm) or hollow threaded rod M10x45.



### Simple sided :

- 12 to 24 vdc : P1+P3+P5
- others : P1+P2+P3+P5

### Double sided :

- 12 to 24 vdc : P5+P3+P5
- others : P5+P2+P3+P4+P5



## Options & Warranty

- Options : On request, other voltages, filter, terminals, customisable flashing, horn 85db/1m, bolts inviolable, specific control (RS232, RS485, ...), forwarding information, other and specific foot, two-colored, multicolored with RGB LED, ...
- Warranty : 24 months manufacturer.