

Combining speed, ease of use and reliability, the **BL 15** is the rising barrier designed for the access control of public.

## STANDARD RAL COLORS



**Note:** These RAL references are available for free.

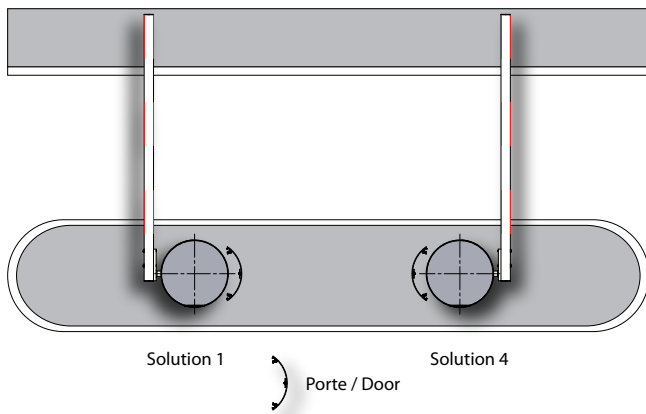
## DESCRIPTION OF THE STANDARD EQUIPMENT

1. **Aluminum cast sole plate.**
2. **Anodized aluminum frame.**
3. **Lacquered aluminum housing panels** (selection of 5 colors). «Qualicoat» lacquering providing an excellent protection against corrosion.
4. **Aluminum cast hood**, locked by key.
5. **Oval aluminum arm** of section 80 x 54 mm, **lacquered white** (RAL 9010) **with red reflective strips**.
6. **Drive shaft**, diameter 30 mm, fitted on a geared motor and a lifetime lubricated bearing.
7. **Automatic opening in case of power failure** (AVR).
8. **Electromechanical assembly** including :
  - **Reversible three-phase asynchronous gear motor**, ensuring protection of the mechanism in case of forced lifting of the arm due to fraudulent action. Maintaining the arm in its 2 extreme positions (open and closed), is achieved by the frequency converter.
  - **Frequency converter** ensuring progressive accelerations and dampened decelerations, for movement without vibrations, reversal of direction without jolts (reopening) and increased protection of the mechanism.
  - **Electronic limitation of the electromechanical assembly torque** allowing immediate stopping of the arm during closing in case of an obstacle
  - **Analog position sensor** indicating the high and low positions and allowing control of the gear motor.
  - **Balancing of the arm by means of a compensating spring**, according to the weight of the arm.
9. Varnished **electronic control board** offering inputs, outputs and relays adjustable:
  - Adjustable opening and closing speed.
  - Arm position status (open or closed).
  - Swing-off arm sensor.
  - Technical fault information report.
  - Human/Machine interface to change or adjust the electronic control board parameters.
  - HTML interface via Ethernet connector.
  - Socket for presence detector (2 loops).

## STANDARD TECHNICAL SPECIFICATION

Electrical power supply	Single phased 230 VAC - 50/60 Hz + ground. <i>Note: not to be connected to an isolated ground network or a high impedance earthed industrial network.</i>
Consumption	During motion: 150W max. At rest: 44W (Depending of options)
Motor	Three-phased 230V/90W
Free passage (L)	from 2 to 4m, increments of 0,5m
Opening time	Adjustable between 1,2 and 3s (Allowing the passage of 1500 vehicles/h)
Operating temperature	Between -10 and +60°C.
Relative humidity	95% max, without condensation.
MCBF	Mean cycles between failures - 5.000.000, when respecting recommended maintenance.
Weight	50 kg (without arm) Arm: from 1,6 to 3,2 kg max
IP	55
Conform to European standards.	

## CONFIGURATION



## WORKS TO BE PROVIDED BY THE CUSTOMER

Note: respect the installation drawing.

- Adapted ground fastening.
- Power supply.
- Wiring towards eventual external peripherals.

## OPTIONAL

1. Articulated oval arm.
2. Arm swing-off + arm swing off detection.
3. Rubber protection profile.
4. Electromechanical holding arm position in case of power failure (SR).
5. Tip support (Standard, adjustable, electromagnetic or electrolockable).
6. Hood & door intrusion information - Dry contact.
7. Push buttons box.
8. Key switch on housing (Automatic / locked open / locked closed).
9. Radio Transmitter/Receiver.
10. Vehicule detection loop.
11. Presence detector for detection loop.
12. Photoelectric cell for closing-safety.
13. Cell assembly on housing.
14. Cell support post.
15. Ultrasonic detector under boom + protection cover.
16. Ethernet interface.
17. Extension card for inputs, outputs and Presence detector connector.
18. Totalling counter (without or with Reset).
19. LED function pictograms on hood (red, green and orange).
20. Arm LED lighting.
21. LED traffic lights.
22. Support post for traffic lights.
23. Acoustic alarm 100dB (±5) (Fixed inside the housing).
24. Traffic sign Ø 300 mm (STOP, One way,...).
25. Other RAL color.
26. Raised base.
27. Power supply 120V - 50/60 Hz.
28. Thermostatic heater for operation down to -45°C.

## STANDARD DIMENSIONS (MM)

