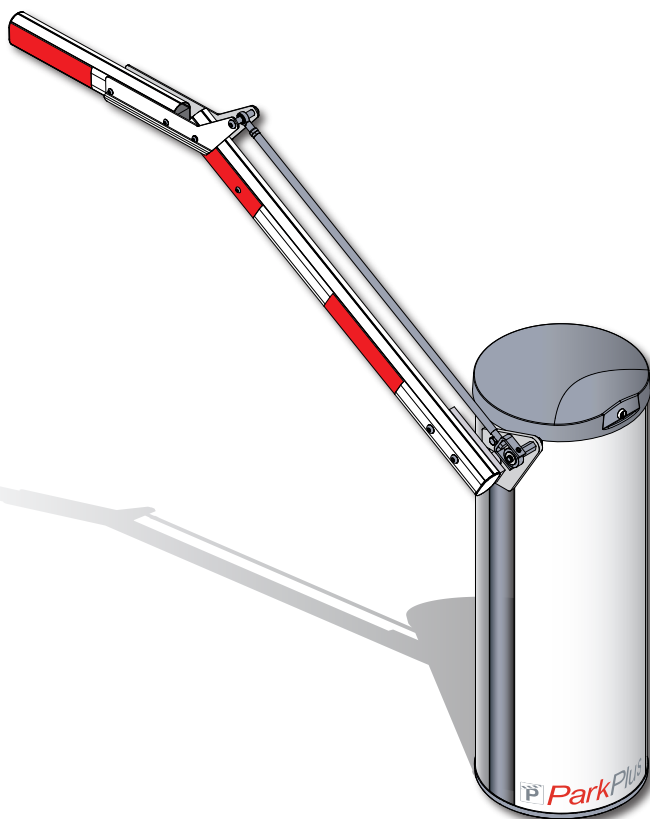
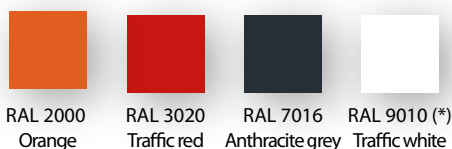


## DESCRIPTION OF THE STANDARD EQUIPMENT



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

## STANDARD RAL COLORS



(\*) Standard color.

All other colors must be specified when ordering.

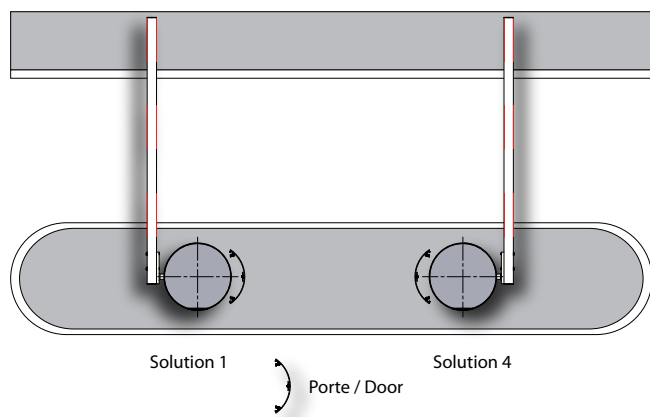
**Note:** These RAL references are available for free.

1. **Aluminum cast sole plate.**
2. **Anodized aluminum frame.**
3. **Lacquered aluminum housing panels** (selection of 4 colors). «Qualicoat» lacquering providing an excellent protection against corrosion.
4. **Aluminum cast hood**, locked by key.
5. **Oval aluminum folding arm** made of 2 elements 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.<br><i>Note: not to be connected to an isolated ground network or a high impedance earthed industrial network.</i> |
| Consumption                    | During motion: 150W max.<br>At rest: 44W<br>(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<br>(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)<br>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. Arm swing-off + arm swing off detection.
2. Rubber protection profile.
3. Electromechanical holding arm position in case of power failure (SR).
4. Tip support (Standard, adjustable, electromagnetic or electrolockable).
5. Hood & door intrusion information - Dry contact.
6. Push buttons box.
7. Key switch on housing (Automatic / locked open / locked closed).
8. Radio Transmitter/Receiver.
9. Vehicle detection loop.
10. Presence detector for detection loop.
11. Photoelectric cell for closing-safety.
12. Cell assembly on housing.
13. Cell support post.
14. Ultrasonic detector under boom + protection cover.
15. Ethernet interface.
16. Extension card for inputs, outputs and Presence detector connector.
17. Totalling counter (without or with Reset).
18. LED function pictograms on hood (red, green and orange).
19. LED traffic lights (Ø100 or Ø200 mm).
20. Support post for traffic lights.
21. Acoustic alarm 100dB (±5) (Fixed inside the housing).
22. Traffic sign Ø 300 mm (STOP, One way,...).
23. Other RAL color.
24. Customer logo.
25. Raised base.
26. Power supply 120V - 50/60 Hz.
27. Thermostatic heater for operation down to -45°C.

## STANDARD DIMENSIONS (MM)

