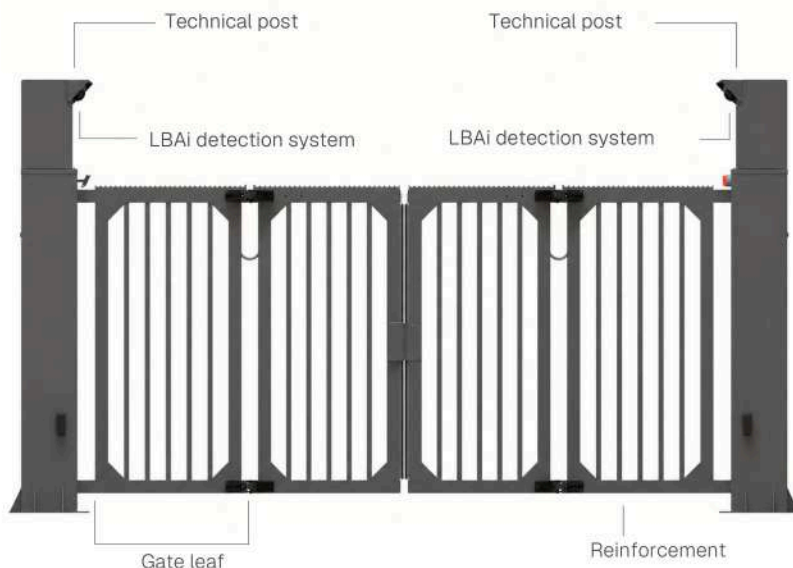


LBAi W-GATE

ULTRA-FAST INTELLIGENT DOUBLE GATE CLEAR OPENING FROM 4 TO 10 METRES



DRIVE INTEGRATED IN THE POST

The drive and electronics are housed inside the post, with no separate cabinet, for a compact, discreet installation

LBAi: QUICK AND EASY INSTALLATION

No civil works, ground loops or infrared photocells: fast installation and simplified maintenance

TAILORED DETECTION WITH LBAi

Up to 5 configurable zones and a 10 m range, with 170° horizontal and 70° vertical coverage

YOUR ACCESS, YOUR RULES WITH LBAi

7 user categories recognised, with customisable access permissions and time schedules

STANDARD FEATURES

- **Clear opening:** 4 to 10 m
- **Continuous operation:** 6,000 cycles/day
- **Geared motor:** Drive and electronics integrated inside the post
- **Opening angle:** 90° (option: 115°)
- **Post:** Steel technical post, e-coated and painted
- **Locking:** 500 kg electromagnet
- **Gate leaves:** Aluminium frames and bars with polyester paint finish
- **Visual signalling:** Flashing lights & area lighting
- **ONE-C control board includes:** Power supply, PLC, variable-frequency drive, SD, RJ45 (Modbus) and torque limiter



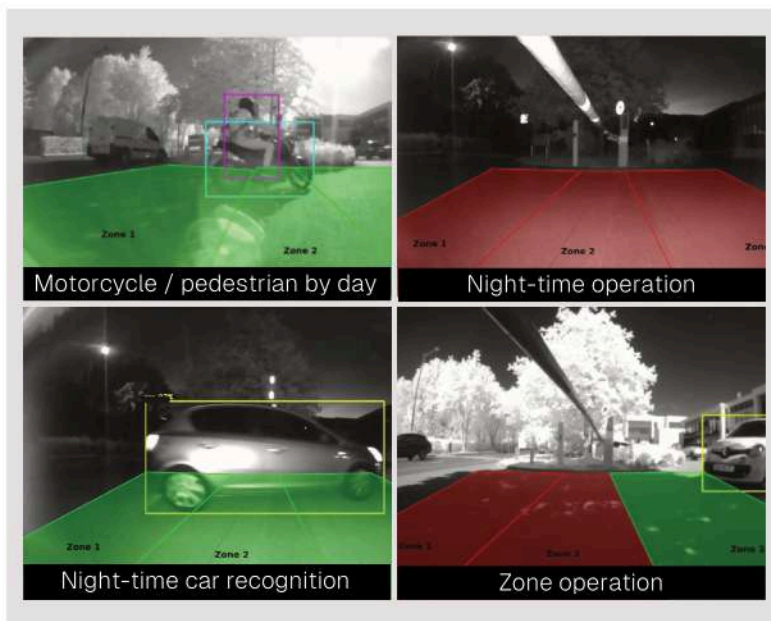
 **INDUSTRY**  **HIGH-SECURITY SITES**

MADE IN FRANCE



LBAi W-GATE

THE INTELLIGENT GATE FOR OPTIMAL ACCESS CONTROL
RECOGNISE - AUTHORISE - PROTECT



Real-time detection and recognition of 7 user categories: pedestrians, bicycles, motorcycles, cars, vans, trucks and buses

Configure product behaviour according to the detected user category and the configured time schedules

No inductive loops, photocells, radar / laser or ultrasound required, for simplified installation

Create up to 5 configurable virtual zones to adapt the operating logic

COMMISSIONING VIA DIGITAL PLATFORM

DEFINE DETECTION ZONES

Define approach, exit, under-barrier and safety zones, and set the detection distances

PRODUCT CONFIGURATION

Product type, clear opening, opening direction and required speed

SELECT AUTHORISED USERS

Pedestrians, bicycles, motorcycles, cars, vans, trucks or buses

ASSIGN ACTIONS

Opening, hold-open, safety, presence or alert for each zone and each vehicle category

SET TIME SCHEDULES

Adapt opening, safety or access rules according to days and times



EXAMPLES OF USE CASES

PEDESTRIAN ZONE

Deny access to cars, allow pedestrians and bicycles, and permit deliveries only during the specified time slots

BUS DEPOT

Allow buses. Deny all other vehicle categories

LOGISTICS SITE

Allow trucks and commercial vehicles; block access for cars, bicycles and pedestrians

SUBSCRIBER PARKING

Identify users and apply their access permissions

AND MANY MORE USE CASES TAILORED TO YOUR NEEDS...

TECHNICAL SPECIFICATIONS

Power supply	230 V
Power consumption	300 W
Geared motor	2 x 0.09 kW motors, fail-safe brakes
MTBF	> 15 000h
Operating cycles	6,000/day
MTTR	< 20 min
Max. clear opening	10 m
Height	Standard gate heights: 2.0 m and 2.5 m. Other heights achieved by adding extensions to the posts and gate leaves. Maximum height: 3.0 m
Bars	• Bars: 30 x 30 mm • Bar spacing: 80 to 110 mm depending on the clear opening (uniform spacing between bars)
Technical post	• 350 x 250 mm • Thickness: 6 mm • Height: • 2,139 mm for 2.0 m high gate • 2,639 mm for 2.5 m high gate For other heights: add extensions to the post and gate leaves
Leaf reinforcements	• 0 reinforcements: ≤ 6 m • 1 reinforcement: > 6 to 8 m • 2 reinforcements: > 8 to 10 m
Ground clearance	123 mm
Emergency operation	Brake release inside the posts
Temperature control	Thermostatic anti-condensation heating
Paint finish	Polyester powder baked at 250°
Foundation size (L x D x H)	1,350 x 1,350 x 1,000 mm
Operating temperature	-30° to +55°C
IP	55

OPTIONAL EQUIPMENT

Customisation

- Choice of RAL colour
- Customisable gate leaves
- Decorative aluminium panel with LBA Design pattern

Audible & visual signalling

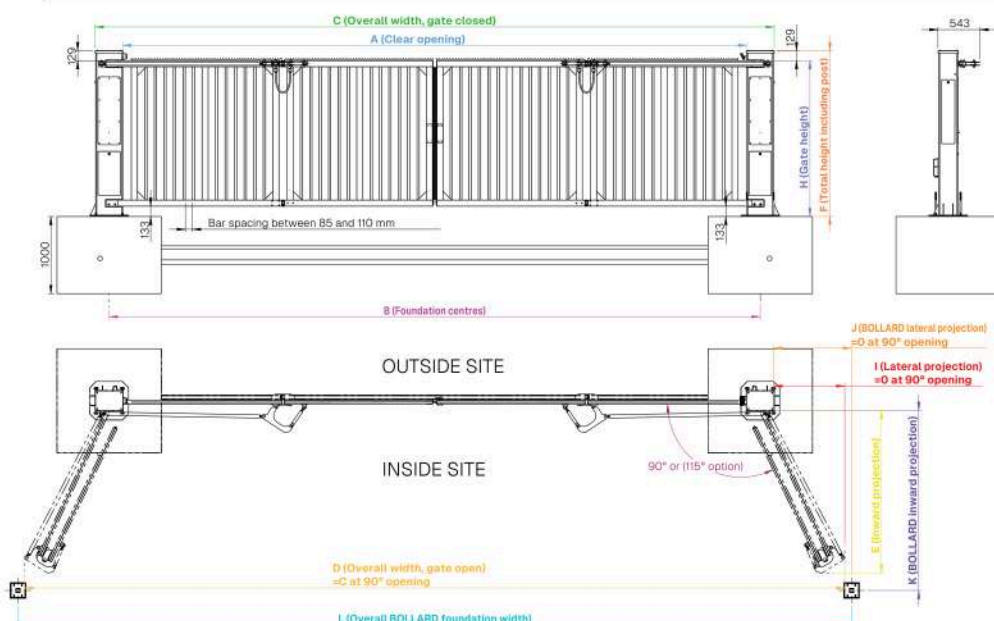
- LED strips
- R23 red/green light on post

Safety

- Anti-climb security spikes

* CSTB test report No. DBV-24-29443 dated 8 March 2024 - LBA W-GATE
Initial type tests under harmonised standard EN 13241+A2
(Nov 2016): Operating forces under EN 12445:2000,
§5.2.3 - PASS

INSTALLATION



Power supply:

- Janolène conduit ø63 mm
- U 1000 RO 2V cable, 3 x 2.5 mm²

Remote control:

- Green Janolène conduit ø40 mm
- Telephone cable, 5 pairs, 0.9 mm

Connection between technical posts:

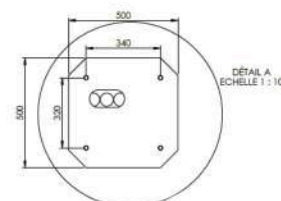
- Conduit ø30 mm

Magnetic loop lead-in:

- Conduit ø30 mm
- Twisted-pair loop lead-in cable

Anchor template + 4 anchor rods

- The template must remain level and rest fully on the concrete foundation



Clear opening A mm	Foundation centres B mm	Overall width gate closed C mm	Lateral offset 115° I mm	Overall width gate open 115° D mm	Inward offset E mm	Bollard lateral offset J mm	Bollard inward offset K mm	Bollard foundation width L mm	Gate height H mm	Total height with post F mm
A	B = A + 350	C = A + 700	I	D = C + 2 x I	E	J = I + 100	K = E + 100	L = C + J x 2	H	F = H + 129

