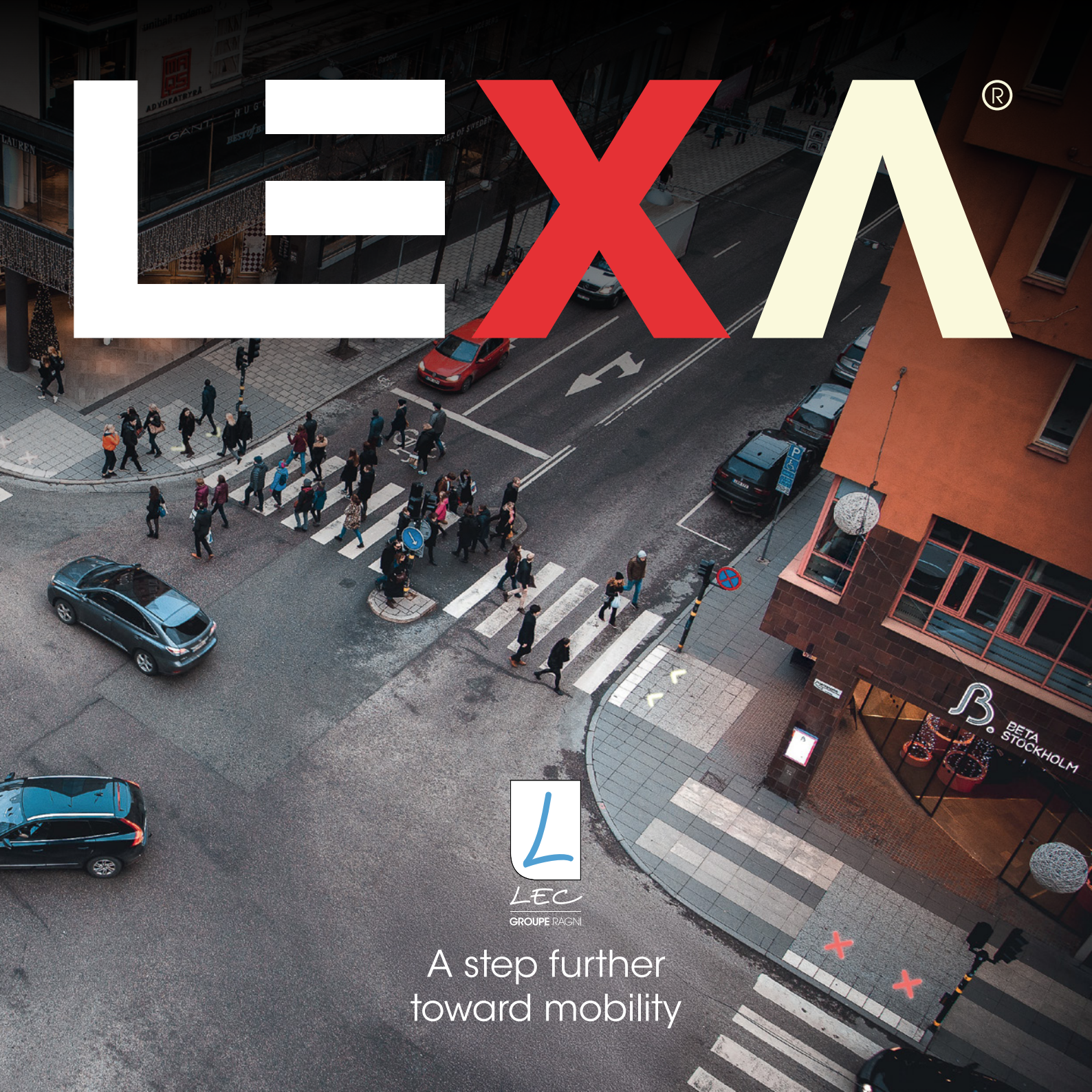
LEXA®



LEC
GROUPE RAGNI

A step further
toward mobility

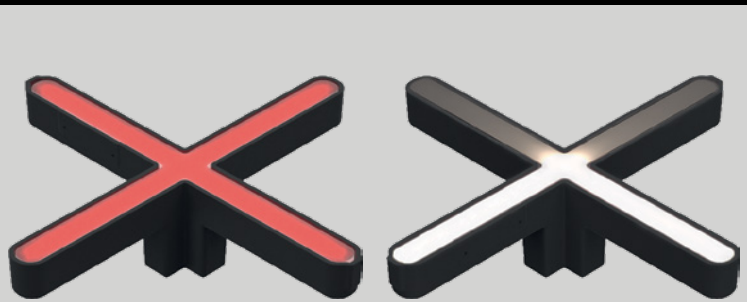
In a context of rapid mobility transformation, local authorities are facing increased cohabitation among public space users, generating new usage conflicts and a rise in risk situations. The growing flow of pedestrians, cyclists and vehicles makes it essential to secure the most vulnerable users.

In increasingly demanding urban environments — digital distractions, visual and noise overload, reduced attention — it is becoming essential to improve the legibility of public spaces and to effectively alert users as they approach sensitive areas.

With more than 45 years of expertise in LED lighting and road marking, LEC designs innovative solutions serving urban safety, mobility and connectivity. These smart systems, operational both day and night, help enhance user awareness and the cohabitation of mobilities.

Our ambition: to support local authorities in transforming public spaces, creating cities that are safer, clearer and adapted to the uses of tomorrow.

Applications:
Pedestrian crossings
Soft mobility crossings
Tram and bus platforms (BRT corridors)



34% Do not comply with traffic lights

14% Wear earphones or headphones

10% Cross outside pedestrian crossings

**Study conducted on a sample of 4,721 pedestrians*

THE SOLUTION FOR SAFER, MORE CALMING URBAN SPACES

LEXA®: secure, guide and alert through integrated illuminated marking

With LEXA®, LEC has developed an innovative ground lighting system designed to make movement safer, improve pedestrian flow, and highlight hazardous situations in urban environments.

Integrated into the ground, LEXA® emits a light signal that remains clearly visible in all lighting conditions, both in low and high brightness, in order to attract users' attention and guide pedestrian trajectories. Used in addition to a traffic light or a detection system, it warns of potential danger and improves the visibility of crossing areas.

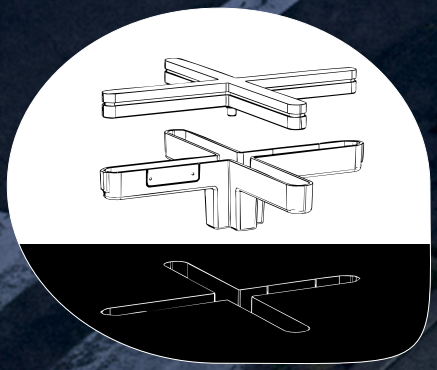
Thanks to its adaptable design, LEXA® can be connected to various control systems: presence detection, synchronization with traffic lights, or intelligent flow-management scenarios.



DANGER SAFETY

FEATURES

Materials	White ABS / polycarbonate front face
Dimensions (mm)	31.7 (thickness) × 372 (width)
IP rating	IP68
IK rating	IK10
Power supply	24 V / 230 V power supply box
Power consumption	9W
Color temperature	Red / White OR Amber / White
Type of LED	SMD LED
Number of LED	Cross = 72 / Arrow = 36



IN URBAN ENVIRONMENTS

Two safety solutions depending on the site configuration

1 **Pedestrian crossing controlled by traffic lights**
LEXA® units are connected to the traffic lights and switch from red to white depending on the light color.



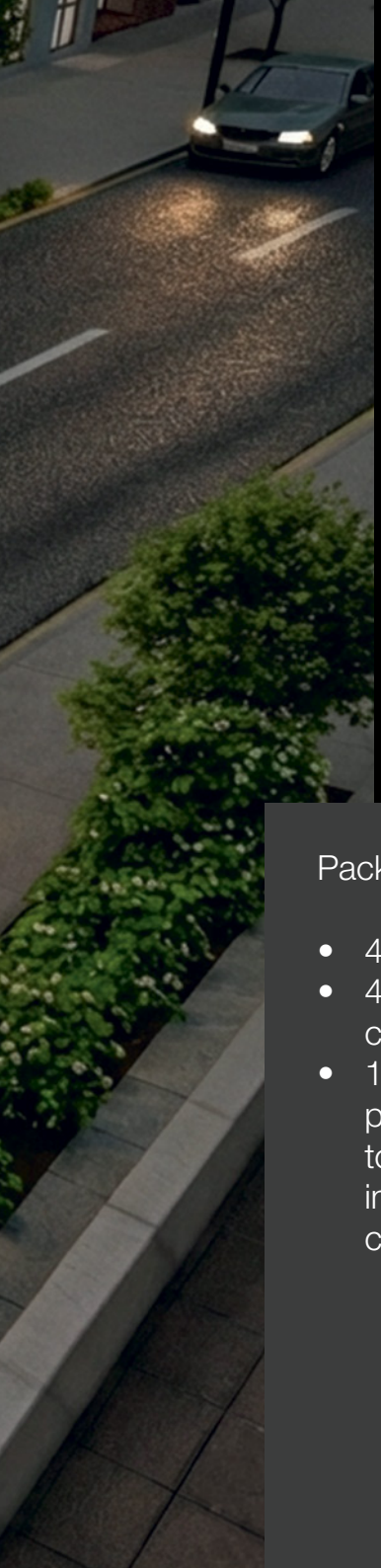


“Uncontrolled” pedestrian crossing – Stand-alone solution **2**
LEXA® acts as a safety warning device. It alerts pedestrians to road hazards by forming an orange cross.









Traffic light-controlled solution

1

LEC offers a solution controlled by traffic lights (requires an available dry contact output on the traffic light controller and appropriate programming). The visual information provided by LEXA® varies according to the traffic light color.

Pack includes:

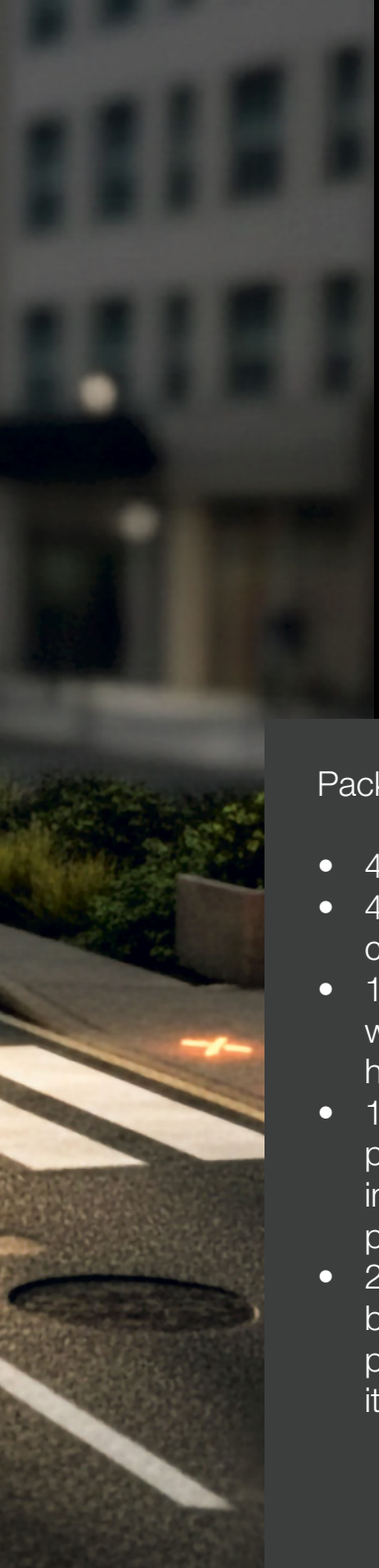
- 4 LEXA® luminaires
- 4 pre-wired connection plugs
- 1 control and power supply unit to be installed in the technical cabinet

Easy installation

Simple connection

24 VDC luminaires, shallow trench depth required





Stand-alone solution

2

LEC offers an autonomous detection solution designed for installation on roads without existing infrastructure. Hazards from the roadway are detected by Doppler radars. LEXA® acts as a hazard warning device. It provides pedestrians with clear visual information to warn them of potential danger. This encourages pedestrians to look up and properly assess the situation before deciding to cross.

Pack includes:

- 4 LEXA® luminaires
- 4 pre-wired connection plugs
- 1 pole, height Xm, with inspection hatch
- 1 control and power supply unit installed inside the pole
- 2 Doppler radars to be mounted on the pole according to its position

Easy installation

Simple connection

24 VDC luminaires, shallow trench depth required

ONE PRODUCT





Thanks to its simplicity, durability, and clear visual message, LEXA® is your ally for all your signage, safety, and space allocation needs. It can be used in a wide range of applications.



MULTIPLE APPLICATIONS







LEC
GROUPE RAGNI

Redefining the night

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