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CONNECTED
TECHNOLOGIES
FOR **SMARTER**
MOBILITY

Citypak



SMART LIGHTING

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Smart City and smart lighting: new requirements for implementation

With practical applications in mind, LACROIX Sogexi develops future-proof ecosystems for smart lighting and makes them easy to implement thanks to new junction solutions.

LACROIX

THE MARKET LEADER

40 YEARS
OF EXPERIENCE

+5 MILLION
BOXES
INSTALLED

ACTIVE IN **+ 35 COUNTRIES**



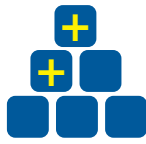
DOWNSIZED LAMPPOSTS



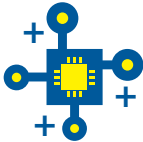
Reduced community investments



Higher-performing lights



MORE ELEMENTS IN LAMPPOST BASE



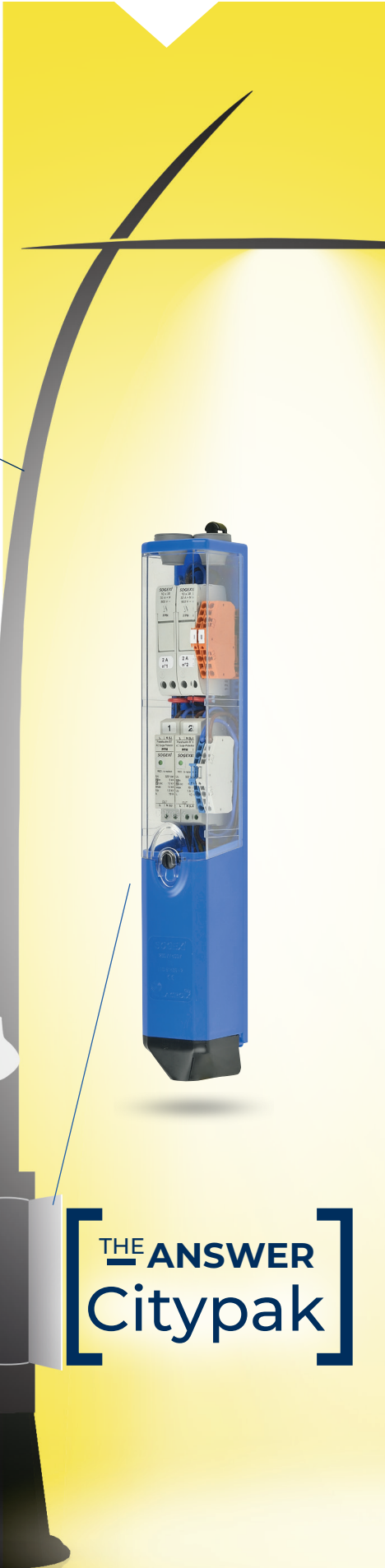
Changing standards: additional protections



Intelligence and interoperability: additional modules in the post



New use of the public lighting network, e.g. CCTV: increasingly complex wiring



THE ANSWER
Citypak

Citypak: the smart lighting junction box

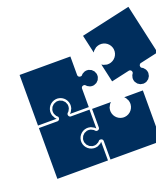
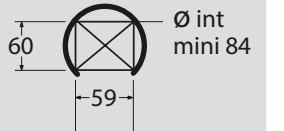
Citypak



LARGE CAPACITY

Compact: specially designed for posts with a minimum inside diameter of 84mm.

Spacious: three stages with an intermediate zone for protection and/or smart modules.



SCALABILITY adapted to smart lighting

Multipurpose: up to 4 simultaneous functions to adapt the box to all applications.

Modular: adjustable DIN rails and movable terminal block support with two-level height-positioning, to add new functions.



Protecting

Managing

Detecting

Connecting



SIMPLE AND SECURE for installation and maintenance

Easy to install: fixing bracket, adjustable without tools over 170mm.

Easy visual inspection and access to protections and smart modules: long top transparent cover.

Easy opening: two independent covers with locking by 1/4 turn captive screw.



Combining large capacity and compactness, Citypak is the first junction box designed specifically for **smart lighting**.



A wide range of junction boxes, to meet every need



| | LOTIPAK | MINIPAK | DYNAPAK | CITYPAK | POLYPAK | INTERPAK | EUROPAK |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Junction box inscribed square* (mm) | L45 x D47 | L52 x D47 | L59 x D60 | L59 x D60 | L70 x D84 | L70 x D82 | L87 x D90 |
| Recommended door dimensions** (mm) | Ld50 x H300 | Ld55 x H300 | Ld60 x H300 | Ld60 x H400 | Ld75 x H300 | Ld75 x H400 | Ld90 x H500 |
| Min. inside diameter (mm) | Ø 65 | Ø 70 | Ø 84 | Ø 84 | Ø 110 | Ø 110 | Ø 125 |

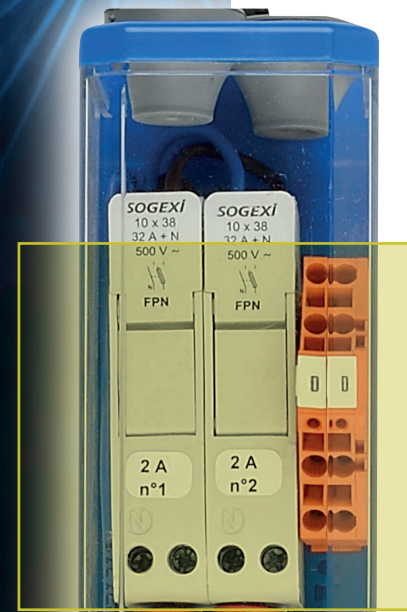
*Inscribed square of the post: space available inside the post (by the access door) to install a junction box and protection.

**Dimensions of the post door: check that the post door is big enough to easily install the junction box selected.

PROTECTION ZONE

Devices for the protection of people/electrical circuits and street lighting continuity.

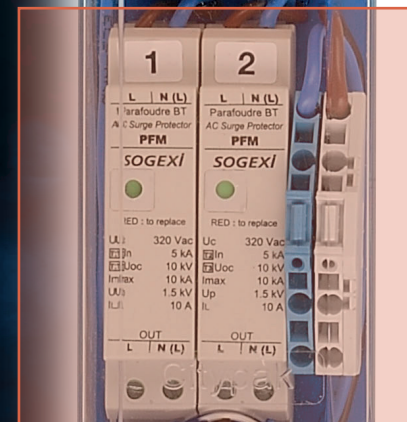
| | LOTIPAK | MINIPAK | DYNAPAK | CITYPAK | POLYPAK | INTERPAK | EUROPAK |
|---|---------|---------|---------|---------|---------|----------|---------|
| Usable depth (mm) | 41 | 41 | 48 | 48 | 65 / 78 | 65 / 78 | 78 |
| Usable width (mm) | 30 | 42 | 54 | 54 | 60 | 63 | 73 |
| Max. number of modules Fuse Switch Disconnectors / Surge arresters (L = 18mm) | 1 | 2 | 3 | 3 | 3 | 3 | 4 |



INTERMEDIATE ZONE

Available on certain junction boxes for protection devices and/or additional intelligent modules.

| | LOTIPAK | MINIPAK | DYNAPAK | CITYPAK | POLYPAK | INTERPAK | EUROPAK |
|-----------------------------------|---------|---------|---------|---------|---------|----------|---------|
| Usable depth (mm) | - | - | - | 48 | - | 65 / 78 | 65 |
| Usable width (mm) | - | - | - | 54 | - | 62 | 72 |
| Max. number of modules (L = 18mm) | - | - | - | 3 | - | 3 | 4 |



CONNECTION ZONE

Terminals or terminal blocks according to wiring needs.

| | LOTIPAK | MINIPAK | DYNAPAK | CITYPAK | POLYPAK | INTERPAK | EUROPAK |
|---|-------------------------|--|---|---------|---|---|----------------------------|
| Usable width (mm) | 37 | 43 | 54 | 54 | 60 | 60 | 72 |
| 2 NETWORK cables max. configurations | ≤ 4 x 10mm ² | ≤ 5G 6mm ² (1) ≤ 4 x 16mm ² | ≤ 5G 16mm ² ≤ 4 x 25mm ² | | ≤ 5G 25mm ² ≤ 4 x 35mm ² | | ≤ 5G 35mm ² |
| 3 NETWORK cables max. configurations | - | ≤ 4 x 10mm ² | ≤ 5G 16mm ² (1) | | ≤ 5G 25mm ² (1) | ≤ 5G 25mm ² (1) ≤ 4 x 35mm ² (1) | ≤ 5G 35mm ² (1) |

(1) Limit configurations: tight wiring.

