

















- Modular, multifunction and smart city support.
- ▶ Emblematic and customizable.
- Symmetrical or asymmetrical lighting.

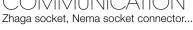
With its two 2-sided or 4-sided lighting modules and its lighting management system, Korner offers an optimal solution ranging from 8 to 24 LEDs. Composed of polycarbonate treated against UV, they have an IK10 resistance index with a totally waterproof IP66 assembly. From space marking to communication functionalities, USB charging station, loudspeaker, detection, wifi, camera, Korner meets the needs of urban infrastructures and their inhabitants. Design and functional, it offers customized enhancement and decorative modules with varied backlighting or DMX controllable to offer a wide choice of colorful scenarios.



Modularity



COMMUNICATION







Road, ambiance lighting...



WI-FI WLAN access point, WI-FI repeater



MANAGEMENT Light management tools



SECURITY Video protection system



SOUND Loudspeaker



SPACER Modules without function 300/500/1000 mm





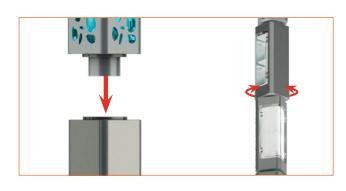


DECOR Decorative module with personalized cutting and lighting



FISHPLATE

Hinge part of the Korner concept, the fishplate allows the assembly of the modules, their 360 $^{\circ}$ rotation and their immobilization in the desired configuration.









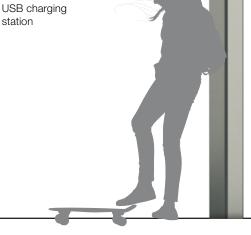
Elegant and design multifunctional bollard, it provides functional or architectural lighting, accompanied by various options. The fixing fishplates allow to position the modules according to the needs, combining city enhancement, management, security, connectivity and services.





station

Base 3500 (mm)



Ecodesign

Luminaire designed in compliance with the environmental criteria of energy efficiency, recyclability and interoperability.

Associate member of the Zhaga consortium, Ragni integrates electronic elements in this product that comply with the Zhaga standard, which ensures its scalability and interoperability.

Member of the Global Compact since 2018, Ragni is committed to working towards the 17 Sustainable Development Goals (SDG 11, 12, 13, 15).

Luminaire guaranteed free of hazardous substances.

Luminaire compliant with the decree of 27/12/2018 on the prevention, reduction and limitation of light pollution: product configuration to be defined according to the nature of the project.















2 sides lighting module

Protection index IP66

Shock resistance IK10

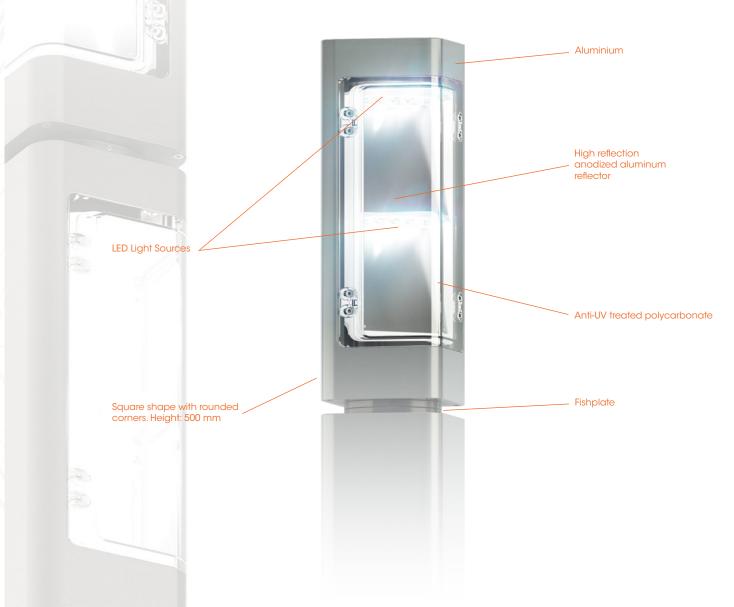
Materials

Module's body: Aluminium

Protection: Anti-UV treated polycarbonate

Operating temperature: -40°C to +35°C (up to +50° under conditions).

16 LED module - From 1600 to 3800 lm (see attached "Korner - 2 sides lighting module" datasheet for details on power, light intensity and photometry available).



Applicable standards

IEC/EN 60598-1 / IEC/EN 60598-2-3 / NF EN 60529 / NF EN 62262 / IEC/EN 55015 / IEC/EN 61547 / IEC/EN 61000-3.2 / IEC/EN 61000-3.3 / IEC/EN 62493 / IEC/EN 62031 / IEC/EN 62471 / IEC/EN 61347-1 / IEC/EN 61347-2-13 / NF EN 13201-3 / NF EN 13201-4 / EN 13032-1+A1 & EN 13032-4 / LM79 / NF EN 12981

4 sides lighting module

Protection index IP66

Shock resistance IK09

Materials

Module's body: Aluminium
Protection: Anti-UV treated polycarbonate

Operating temperature: -40°C to +35°C (up to +50° under conditions).

8 to 24 LED module - From 900 to 6500 lm (see attached "Korner - 4 sides lighting module" datasheet for details on power, light intensity and photometry available).



IEC/EN 60598-1 / IEC/EN 60598-2-3 / NF EN 60529 / NF EN 62262 / IEC/EN 55015 / IEC/EN 61547 / IEC/EN 61000-3.2 / IEC/EN 61000-3.3 / IEC/EN 62493 / IEC/EN 62031 / IEC/EN 62471 / IEC/EN 61347-1 / IEC/EN 61347-2-13 / NF EN 13201-3 / NF EN 13201-4 / EN 13032-1+A1 & EN 13032-4 / LM79 / NF EN 12981



Enhancement module

Real enhancement tool with fixed color lighting or RGBW with DMX dynamic control and dual orientation on 2 axes, these spotlights are intended for architectural lighting, even festive. Dress up your events with active lighting scenarios with this IP66 double module (spotlights + block) made of transparent PC treated with UV protection.

Protection index

Shock resistance

IK10

Materials

Module's body: Aluminium
Protection: Anti-UV treated polycarbonate

Operating temperature: -40°C to +35°C (up to +50° under conditions).

2 spotlights of 7 to 9 LED - From 700 to 1800 lm (see attached "Korner - Enhancement module" datasheet for technicals details.).

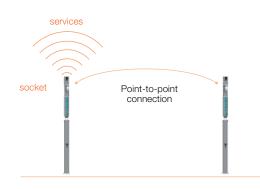


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Communication module

Positioned at the top of the Korner, this IK10 module can be equipped with Zhaga Socket or NEMA Socket connectors. It allows access to intelligent and connected functions, as well as communication between light points. (see attached data sheet "Korner - Communication module" for details).



WIFI module

This IP66 module allows access to the internet via WLAN and adds an additional access solution to the existing network. (see attached data sheet "Korner - WIFI module" for details).

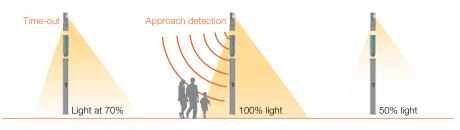






Lighting management module

Positioned between 3 m and 4.50 m, this IK10 module can be equipped with 1 or 2 180° sensors. Driven by a driver according to the DALI protocol, it allows detection, lowering, delay, constant luminous flux and light train type operation. (see attached data sheet "Korner - Detection Module" for details).



09/07/2024 - All informations are subject to change without notice.

USB charging station

Accessible to all, the USB charging station is composed of 2×2 backlit ports and 2 niches for the smartphones. It fits on the foot and makes the Korner charging station a stopover on your journey.

- Input 24 v DC
- Output 5 v 2.1 A max DC

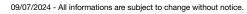


Soft mobility recharging

The socket for soft mobility vehicles accessible to all can be integrated on the Korner terminal's feet to allow recharging of bicycles, electric scooters, etc.

- 250 V 16 A 2P + T
- Residual Differential Device (RDD) 30mA
 - Cover with locking ring. When the cover is open, plugged or unplugged, the socket is IP55. When the cover is closed and the ring locked, the socket is IP66/67.







HDTV camera

The camera module allows the addition of discrete security points to a video protection system or in isolation. The cameras can be integrated internally in the module, surface mounted or on a remote arm for a 360° vision.



180° INTEGRATED CAMERA

180° SURFACE MOUNTED CAMERA

Zoom: Zoom and remote focus

Horizontal field of view: 92° - 34° , vertical: 50° - 20°

Protection index: IP66 Shock resistance: IK10



Zoom: 23x/32x optical zoom

Coverage angle: 360° continuous panning

Protection index: IP66 Shock resistance: IK10

Excellent light sensitivity, Video analysis.



Loudspeaker module

Turn Korner into a sound system with this small module that holds up to 4 speakers. Whether it is a musical atmosphere or an information relay, your column completes its qualities with an active function, allowing the user to take advantage of the city's infrastructure in a different way (see data sheet «Korner - Loudspeaker loudspeaker module» in appendix for details).



1 Loudspeaker

2 Loudspeakers

3 Loudspeakers

4 Loudspeakers





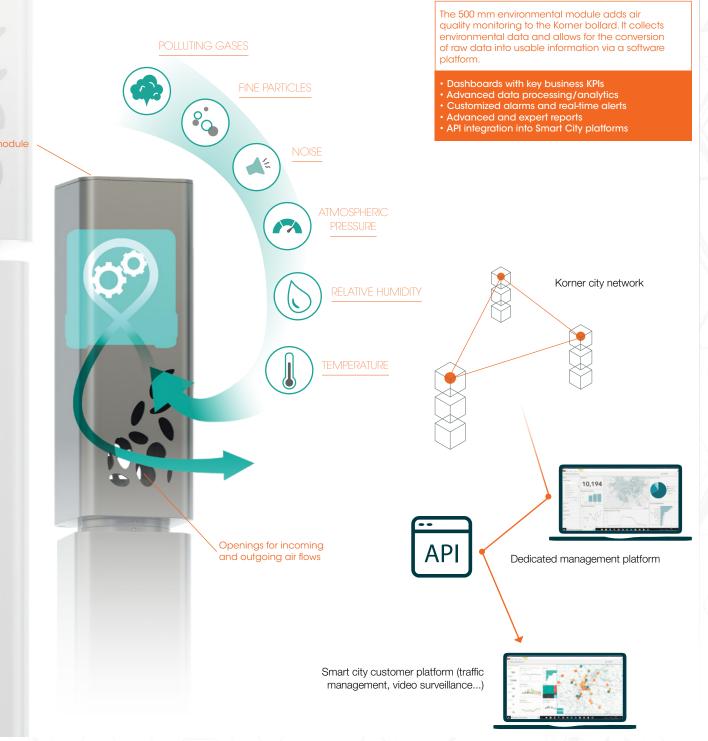






Environmental monitoring module

The control of harmful gases, fine particulate matters, noise and overall pollution along with mitigation methods has become a primary concern and is a necessary condition to guarantee the quality of life and protect the environment





Birdhouse module

The integration of the birdhouse inside a 500 mm module allows small birds, such as chickadees or sparrows, to be accommodated. Designed in collaboration with a wildlife conservation association, the diameter of the entrance hole and the volume of the interior of the "letterbox" type birdhouse has been calculated to allow birds to pass through without providing access to predators. As nesting sites are becoming increasingly rare, the birdhouse module can be used in both urban and rural areas and helps to contribute to the development of biodiversity.



RORNER

Decorative module

To perfect your Korner, add the final touch with the decorative module. Choose the cutout and lighting to bring a vibrant, dynamic mood and personality to your project. With our commercial and technical teams, define the feasibility of the pattern to maintain excellent mechanical strength and create the custom-made scenario by synchronizing this RGBW lighting module with other lighting elements.



ROSE

PERSONALIZED











RORNER

Light marking

Visual landmark in the night - possibility of synchronized control with the other modules and almost infinite color variation thanks to DMX-controlled RGBW ou fixed color LED.





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Gobo module

Choose KORNER equipped with an integrated GOBO module for striking visual effects. Customize your projections with ease to create the perfect ambiance for your events as well as adding information on floors and walls. Transform any space into a dynamic and captivating light show. Enjoy a versatile and user-friendly solution to illuminate your evenings.

Protection index	IP64
Shock resistance	IK10
Gobo power	40 W
Materials	Aluminium

Operating temperature: -40°C to +35°C (up to +50° under conditions).



Gobo projector in black, gray or white. Other RAL on demand.

Tilting 0° / -65° or 0° / +65°

Installation height between 4 and 6 m

Creation of customized projected visuals: Logos, messages, decorative motifs, we adapt the projection to your needs.

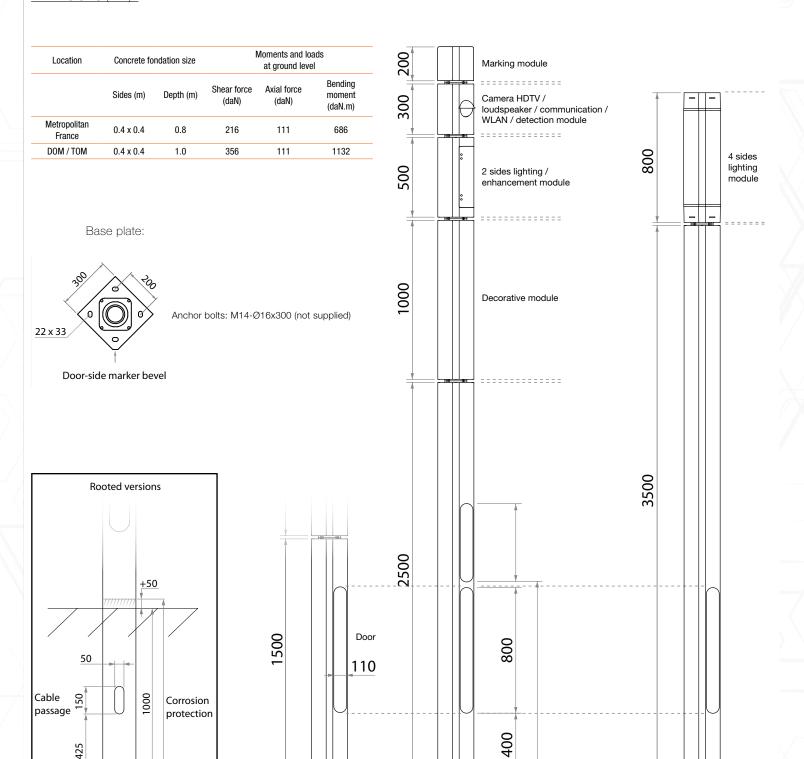


BOLLARDS & COLUMNS | KORNER

KORNER

DIMENSIONS (mm):

MAXIMUM POSSIBLE HEIGHT: 6 M



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Base 2500

Base 1500

Base 3500

