

# K2







Safe in public rooms



Safe in environments with high levels of humidity and high dust concentrations



Safe in outdoor applications

## Robust and waterproof

K2 is a dust and waterproof (IP65) luminaire that can take a punch (IK10). An excellent solution for emergency lighting in public spaces and in industrial indoor and outdoor applications, available in both LED and fluorescent sources.

With its robust and easy to clean construction, it is also eminently suitable in environments with high dust concentrations and high levels of humidity.

## Family concept

K2 is designed along the same lines as the ETAP K1 range. Just as K1, K2 uses environment friendly techniques, and is standard equipped with EST, the automatic self-test, in compliance with European standard EN 50172 and IEC62034.

Together, K1 and K2 provide a consistent family concept, allowing you to meet all of your building's specific emergency lighting requirements.

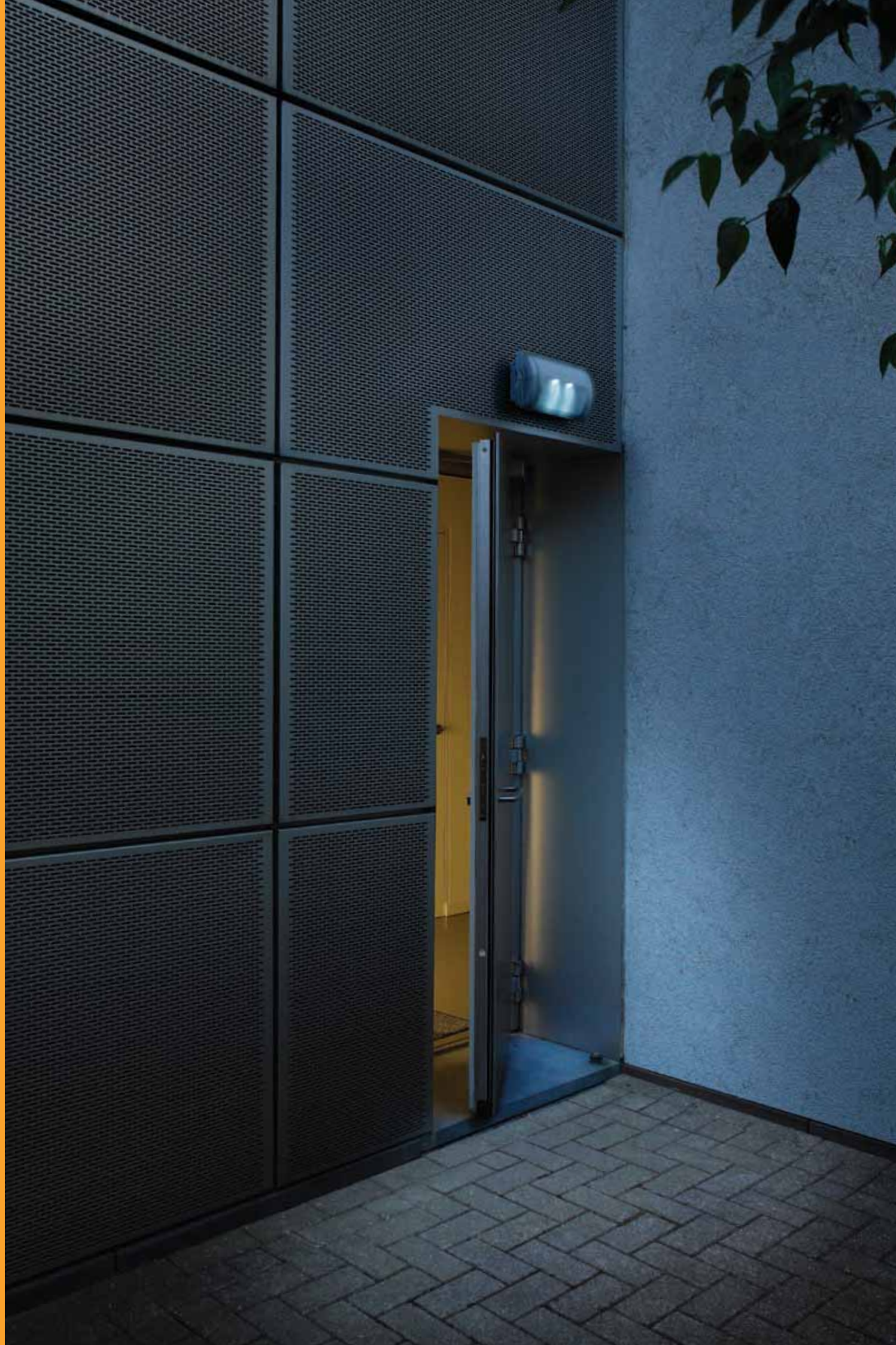


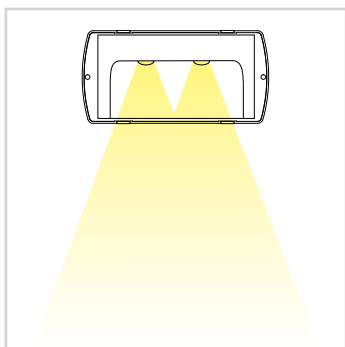
K1



K2

Consistent family concept in your building





Lenses guarantee 1 lux on the floor at a suspension height of up to 5 m

## Fully suited to outdoor use

For outdoor applications, your emergency lighting not only needs to be waterproof, it must also be able to withstand high temperature variations. The "outdoor luminaires" from the K2 range provide a solution that is fully suited to this purpose. LEDs are used to make the light source insensitive to low temperatures (in contrast to fluorescent lamps). A special heating element ensures that the battery temperature does not drop below 5°C. This guarantees reliable operation down to an ambient temperature of -15°C. Additional advantages are a longer battery life and lower maintenance costs.

The LEDs are fitted with a specially developed lens, which bundles the light and guarantees a lumen output of 1 lux on the ground at a mounting height of up to 6 m, as specified by European standard EN1838.

The K2 outdoor luminaires for final exits are equipped with a light sensor. This sensor deactivates the light source during the day but keeps it lit throughout the night as protection against vandalism and intrusion. This allows you to reduce energy usage to a strict minimum.

## Environment friendly

Under the Green Safety label, ETAP is committed to minimising the ecological impact of its products. That is why the K2 range, like all other ETAP emergency luminaires, is standard equipped with nickel metal hydride batteries (NiMH). These are less environmentally harmful than cadmium batteries. Also our LED luminaires throughout the entire K2 range fit in with the Green Safety philosophy. The use of LEDs in maintained luminaires reduces the environmental impact by as much as 70% over fluorescent lamps.

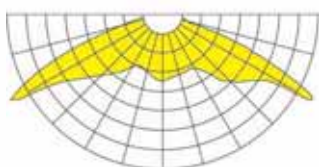


Nickel metal hydride, less environmentally harmful

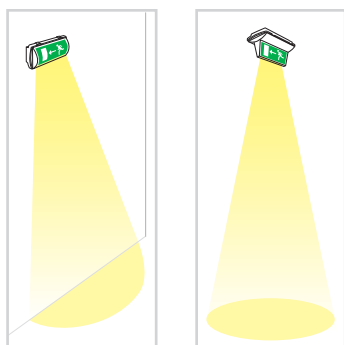
## Judicious use of light



24 m



Wide-angle distribution



A light window gives 1 lux on the floor at a normal suspension height



Uniform illumination

### Fewer luminaires on escape routes and in anti-panic areas

Anti-panic and escape route lighting calls for wide-angle distribution. ETAP has developed special lenses for both LED and fluorescent versions of K2

This means you need fewer luminaires to illuminate the same distance. To obtain 1 lux on an escape route, you only need one luminaire every 14 m (fluorescent lamps) or 16 m (LEDs) at a suspension height of 2.8 m, or one luminaire every 20 m (fluorescent lamps) or 24 m (LEDs) at a suspension height of 5 m. For an anti-panic light level of 0.5 lux, you only need one luminaire at 2.8 m height for a 200 m<sup>2</sup> (fluorescent) or 130 m<sup>2</sup> (LEDs) area, or one luminaire at 5 m height for a 370 m<sup>2</sup> (fluorescent) or 226 m<sup>2</sup> (LEDs) area.

### Light window for higher light levels

K2 for signage is available in either single or double sided version. In the fluorescent version, a light window under the pictogram ensures that enough light is present under the luminaire. The single sided version produces 1 lux on the floor at a suspension height of 2.25 m. The light window makes emergency exits better visible and contributes to escape route illumination.

In the double sided version, a light window is mounted to the bottom of the conical cover. This guarantees 5 lux on the floor at a suspension height of 3 m and thus meets the standard which prescribes 5 lux above crossings, fire extinguishers and at other crucial places.

### LED light guide for even illumination

For the LED versions of single-sided signage luminaires, ETAP has developed a light guide that ensures homogeneous illumination and optimal recognition of the pictogram.



## The right light source

7  
K2 ETAP

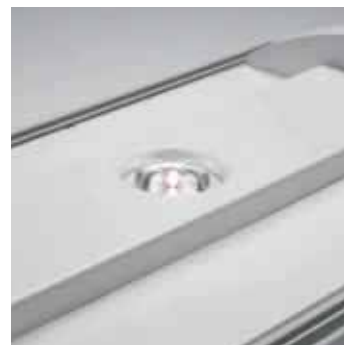
### LEDs: long life

The complete K2 range is available with LED. Because of their long life, LEDs are particularly suitable for maintained signage. K2 LEDs have an expected life of over 10 years, and therefore require significantly less maintenance. This is a significant advantage for places that are hard to reach. The energy-efficient LED versions offer great potential for savings (up to 80%), especially when used for maintained emergency luminaries.

The light output of LEDs decreases gradually, that is why a built-in control system warns you when the illumination of the pictogram drops below the minimum established level.

### Fluorescent lamps: increased luminous flux

The fluorescent range of K2 is particularly suited for non-maintained applications that require a high luminous flux. You can choose from two versions: the TL lamp of 6W and the TC-S lamp of 11W, which guarantees an extra high luminous flux and represents the ideal solution for high ceilings or in areas where emergency lighting is used general lighting, e.g. stairwells.



LED-lighting guarantees long life



11W-TC-S lamp for increased luminous flux



# Simple, IP65 compatible mounting

K2 comes standard with quick mounting brackets. Drilling the back housing is no longer required. Once you have installed the brackets, you only need to connect the wiring and snap the luminaire into the brackets. ETAP has developed specific power and bus cable glands for the K2 series. This makes K2 IP65 compatible for surface mounted cabling.

Additional wiring for surface mounting is simply connected via 6 extra IP65 compatible cable inlets. To enable the looping of multiple luminaires, you choose the optional internal wiring solution (5 x 2.5 mm<sup>2</sup>) for the power supply and for bus communication. The K2 luminaire has insulation class II, so earthing is not necessary.

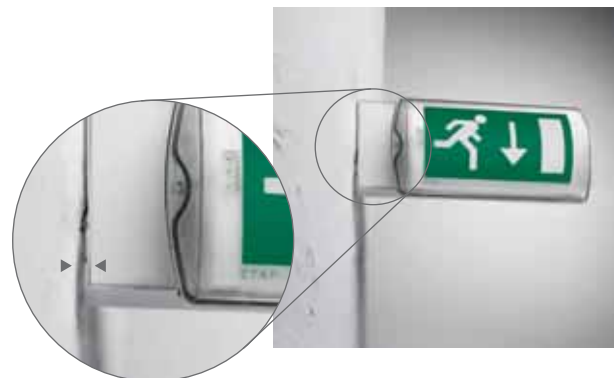
Installation of the signage pictogram is just as simple and user-friendly. The pictogram is mounted to a rigid film, so it can be easily installed behind the cover or replaced. This gives you the necessary flexibility during installation. As the film tightens itself up in the cover, it sits firmly in place and the pictogram remains bright and sharp.

## Mounting accessories for all applications

Special mounting accessories (recessed, square and suspended) let you install your emergency lighting wherever you like. Irregularities on the wall surface can easily be eliminated using the adjustment system specially designed for this purpose.



Special brackets for quick mounting



Irregularities on the wall can easily be eliminated

## Luminaire lighting



## Luminaire single sided signage



## Luminaire double sided signage



All K2 versions are available in LED and fluorescent sources, both as a decentralised luminaire (with built-in battery set) or for a central emergency power supply. Each decentralised K2 incorporates an automatic self-test function. You can choose between 1 or 3-hour duration.

## Complete range in LED and fluo



K2 can be connected to the ETAP Safety Manager (ESM), the ETAP system for decentralised monitoring, using a hard wire connection or wireless technology.

The central luminaires can be monitored individually with the ETAP central battery system (EBS).





## K2

- Complete range in LED and fluo
- IP65 dust and waterproof
- IK10 impact-resistant
- Safe and environment friendly
- Ingenious photometry
- Suitable for outdoor use
- Simple, IP65-proof mounting
- Five-year warranty, batteries included



U.K. ■ ETAP NV ■ Unit 6 ■ Progress Business Centre ■ Whittle Park Way ■ Slough ■ Berkshire SL1 6DQ  
Tel. +44 (0)16 28 55 96 50 ■ Fax +44 (0)16 28 55 90 12 ■ [enquiries@etaplighting.com](mailto:enquiries@etaplighting.com)

EXPORT ■ ETAP Export Department ■ Antwerpsesteenweg 130 ■ B-2390 Malle - BELGIUM  
Tel. +32 (0)3 310 02 11 ■ Fax +32 (0)3 311 61 42 ■ [export@etaplighting.com](mailto:export@etaplighting.com)

DUBAI ■ ETAP U.A.E. ■ Energy & Environment Park ■ Nucleotide Lab, 2<sup>nd</sup> floor, Office EO 01 ■ PO BOX 345014, Al Barsha ■ Dubai, UAE  
Tel. +971 (0)4 434 73 64 ■ Fax +971 (0)4 437 03 78 ■ [export@etaplighting.com](mailto:export@etaplighting.com)

[www.etaplighting.com](http://www.etaplighting.com)