

VEKO EMERGENCY LIGHTING



If your lighting fails because of a power outage or calamity, safety is paramount. Veko emergency lighting provides a building with reliable and durable emergency lighting which comes as soon as it is needed. Employees will be able to orientate themselves in their environment and leave the building safely. Veko offers two types of emergency and escape route lighting: decentralized and centralized emergency lighting.



Decentralized emergency lighting

Are you going for decentralized emergency lighting? Then you are opting for a very cost-effective yet safe solution. The luminaire remains illuminated even in the event of a power failure. This is thanks to the integrated battery and conversion module integrated into the luminaire. The luminaire remains illuminated with a lower lumen flow and has a very high lumen output, which means fewer luminaires are needed for emergency lighting. That significantly reduces the cost of maintenance and replacement of batteries.

Technical information

Version	Standard 7 x 2.5 mm ² flat cable with one constant phase
Alternative power source	Integrated battery/conversion module
Light source	Entire luminaire
Product code	LN LH LW 3H
Self-test/3 hour	LED ± 900 lm

Technical data subject to change.

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Centralized emergency lighting

The Veko profile is particularly suited for integrating centralized emergency lighting. Our quality profile offers space for extra flat cables. And our standard flat cable can be connected to two circuits. Therefore there is no loose cabling and no separate assembly of emergency lighting units is needed. Veko will supply the centralized emergency lighting as one complete unit with separate, low wattage luminaires. In the event of a calamity, the centralized unit will switch on the connected luminaires through a centralized, alternative power supply.

Maintenance

The highest costs of emergency lighting are tied to regular maintenance, because the batteries need to be replaced every four years. Replacing batteries can be labour intensive if the batteries are located in the light line just below the roof. Moreover, the temperature fluctuations below the roof result in a shorter battery life. A centralized battery station means that the battery is located on the ground floor within easy reach and in a controlled environment. As a result, these batteries have an average lifespan of nine years.

A station works both offline and online. The emergency fixtures are tested automatically. For online stations, faults are also reported automatically. Facility managers will receive an email stating the exact location of a defective safety fixture, which means



The Veko centralized emergency solution consists of three components:

1. Safety fixture

These are 30 cm linear fixtures with the same shape and lens as the other fixtures in the profile. With a fixed lumen output and designed to provide one lux on the floor.


2. Driver

The driver sets whether a fixture is fixed, DALI or smart. The lower lumen output means that the safety fixture drivers have lower inrush current. As a result, it is a more energy-efficient solution than using full-length fixtures connected to a (de) centralized battery.


3. Battery


This battery provides power to the fixture if central power fails. In a central emergency solution, the battery is not located in the profile behind the fixtures - as would be the case for a decentralized solution. Instead it is located in a station placed at floor level. The lower inrush current means the battery is considerably smaller than other solutions available on the market.

Technical information

Magnus emergency fixture	Product code
 <ul style="list-style-type: none"> • Length: 300 mm • Colour temperature: 4000 K • Lens options: Narrow, Semi Wide, Wide, X-Wide, Diffuse and Circular • Impact resistance: IK10 • IP code: IP54 - IP65 • Drivers: <ul style="list-style-type: none"> - 10 W driver fixed - 1,250 lm - 10 W driver DALI - 1,250 lm - 8 W Eaton driver/address module - 1,100 lm 	At request

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Duncan emergency fixture	Product code
 <ul style="list-style-type: none"> • Length: 300 mm 	At request
<ul style="list-style-type: none"> • Colour temperature: 840 K 	
<ul style="list-style-type: none"> • Lens options: Narrow, Wide, Lambertian and Diffuse 	
<ul style="list-style-type: none"> • Impact resistance: IK04 	
<ul style="list-style-type: none"> • IP code: IP20 - IP54 	
<ul style="list-style-type: none"> • Drivers: <ul style="list-style-type: none"> - 10 W driver fixed - 1,300 lm - 10 W driver DALI - 1,300 lm - 8 W Eaton driver/address module - 1,150 lm 	

Veko Central Emergency Power Supply	Product code
 <ul style="list-style-type: none"> • Measurements: 720x260x260 mm 	CEPS-872-450-W
<ul style="list-style-type: none"> • Power: 450 W 	
<ul style="list-style-type: none"> • Addressed system with individual fixture monitoring via SD card 	
<ul style="list-style-type: none"> • STAR technology: permanent, non-permanent and linked on the same circuit 	
<ul style="list-style-type: none"> • Complete 'one box solution' 	
<ul style="list-style-type: none"> • Includes a set of 6 batteries 	
<ul style="list-style-type: none"> • Includes battery cable set (long and short) 	
<ul style="list-style-type: none"> • Unique CEAG charging technology for optimum battery treatment 	
<ul style="list-style-type: none"> • Suitable for max. 45 fixtures in 4 groups of max. 20 fixtures per group 	
<ul style="list-style-type: none"> • Additional option: web module sends email in case of an identified fault 	
<ul style="list-style-type: none"> • Excludes net watcherr 	

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