

Rectangular Rapid Flashing Beacon (RRFB) for Crosswalks

Kali-Flash™

Kali-Flash is a pedestrian-activated flashing light system designed to enhance safety at pedestrian crossings.

Discover the benefits of our system:

- **Optimal visibility:** Powerful, oversized flashing lights capture the attention of drivers, reducing the risk of accidents.
- **Dynamik™ Connectivity:** Our real-time monitoring solution allows for tracking the status and performance of Kali-Flash, ensuring optimal operation.
- **Easy installation:** Quickly adapts to all types of locations without requiring complex work.
- **Simplified maintenance:** A robust design that minimizes maintenance needs for greater peace of mind.



Standard features

System

Operating temperature: -40°C to +65°C

Beacons



Module compliant with MUTCD 11th edition standards (Chapter 4L) and ONTARIO: OTM Book 15

Black powder coated vandal-resistant aluminum cabinet

Two amber LED lamps measuring 76 mm x 178 mm (3"x7"), UV-resistant

Amber LED side indicator light (25 mm x 75 mm) to inform pedestrians of the operation of the frontal lights

Automatic adjustment of intensity based on ambient light, MUTCD 11th edition

ROHS certified LEDs

Control Box



Corrosion-resistant aluminum enclosure providing excellent protection for the battery control module, featuring a lockable door with key-operated quarter-turn lock.

Easy access for maintenance, diagnostics, and adjustment of crossing times

Nema 4X electronic enclosure

IC and FCC certified

Energy management

Regular

Premium

Solar Panel



Monocrystalline solar panels: for better charging even on coldest days

✓

✓

360° adjustment of solar panels for optimized installation

✓

✓

Autonomy without recharging: 7 days with 400 activations/day - Flash duration at 20 sec

✓

✓

TUV, CE and IEC certified

✓

✓

Battery



Sealed, replaceable, maintenance-free recyclable AGM-type batteries, provide the widest temperature range, longest lifespan, and high performance in cold weather:

- Recharge down to -20°C
- Discharge down to -40°C

✓

✓

Standard set: 50W / 1 battery (20Ah)

✓

✗

Long battery life set: 50W / 2 batteries (40Ah)

✗

✓

Maximum power set: 100W / 2 batteries (40Ah)

✗

✓

Other battery chemistries available upon request

✓

✓

Electrical



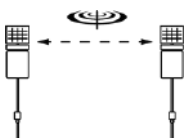
Power supply unit : 120-240 VAC - 12 VDC converter

✓

✓

Communication

Between the structures

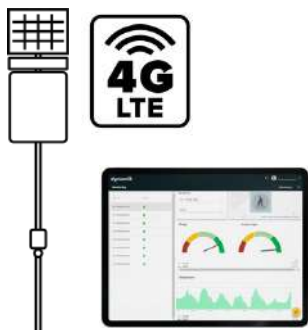


- Synchronization of lights on both sides of the road
- Communication mode: Bluetooth Low Energy
- Interconnected products: Up to 7 products
- Transmission distance: up to 350 meters

✓

✓

Remote connection with Dynamik™ web platform



- Network: 4G LTE
- Category: Cat-M1/NB2 (NTN)
- Frequency bands: B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B23, B25, B26, B28, B66, B85, B255, B256
- SIM compatibility: Multi-operator
- Communication protocol: TCP
- Certifications: PTCRB, FCC, IC

✗

✓

Scheduling the remote activation and deactivation of a unit within a predefined time range

✗

✓

Real-time monitoring of the status of all your structures with statistical reports

✗

✓

System performance statistics: activations, battery charge, solar panel status, battery voltages, control cabinet temperatures (5°C above ambient) and ambient brightness

✗

✓

Dynamic design and responsive dashboards

✗

✓

The system comes with 1 year of free remote connectivity with statistics and alarms

✗

✓

Supports and mounts



Black powder coated 50 mm (2 in) elliptical pole with unpainted brackets

✓

✗

Black powder coated 100 mm (4 in) round pole with black powder coated brackets

✗

✓

Decorative base cover for 100 mm post (4 in) - black powder coated

✗

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Universal mounts for installation on existing pole

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Activation

Piezo Push Button 4EVR® M0AB



The M0AB Piezo push button offers improved responsiveness, exceptional durability, and a modern design, outperforming mechanical buttons for an optimal user experience (ADA compliant).

- Audible signal on activation (complies with MUTCD 11th edition).
- Certified resistant NEMA TS 2 and waterproof NEMA 250 - 6P.

Piezo Push Button 4EVR® M0AB

✓

✓

Pedsafety Guardian® Button

✗

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Passive pedestrian detection

✗

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Pedsafety Guardian® Button



The smart button Guardian is equipped with a speaker that informs people with reduced mobility of the flashing lights (ADA compliant).

Passive pedestrian detection



The lights turn on automatically when a pedestrian is detected, but only if they show the intention to cross.

Activation will not occur if:

- A pedestrian approaches without intending to cross.
- A pedestrian who has already crossed arrives from the other side.

Warranty



Components and labor

Regular

Premium

2 years

3 years

✓ Standard feature

0 Optional feature

✗ Unavailable feature