



BRIEF INFORMATION

K-LED 2.0 beacon

- Sensor-controlled automatic day time / night time level: optimum warning, no dazzle!
- Rotates or flashes – as required.
- Meets IP 67 requirements: dust-tight and a brief immersion in water is also possible.

PRODUCT FEATURES

2.0 Brightness levels

The integrated light sensor automatically toggles between day and night mode. This guarantees the best possible warning effectiveness.

2.0 Types of warning signal

First HELLA beacons where you can choose, by switch or programming, between rotating or flashing warning signals.

Functional safety

Meets the requirements of IP 67, IP 5K4K and IP X9K. The beacon is dust-tight and able to withstand brief immersion in water to a depth of up to 1 m.

Vibration resistance

The beacons have been developed without any moving parts and are therefore optimally protected against strong vibrations and shocks.

Compact design

Extremely flat design and impact-resistant polycarbonate dome.

Low life cycle costs

Maintenance-free beacon with a very long design life.

High-quality corrosion protection

The housing is passivated and then powder coated. The beacon's corrosion protection is tested with a special salt spray for a period of 1000 hours.

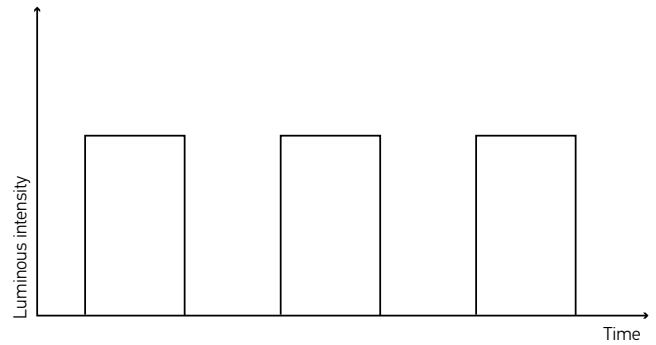
Approved in accordance with GGVSE / ADR

In addition to approvals under ECE R65, ECE R10 and SAE W3-1, the beacon is homologated by ICAO for use at airports, and under the regulations governing the Carriage of Dangerous Goods by Road (ADR, in Germany GGVSE) for the road transport of dangerous goods.

PRODUCT BENEFITS

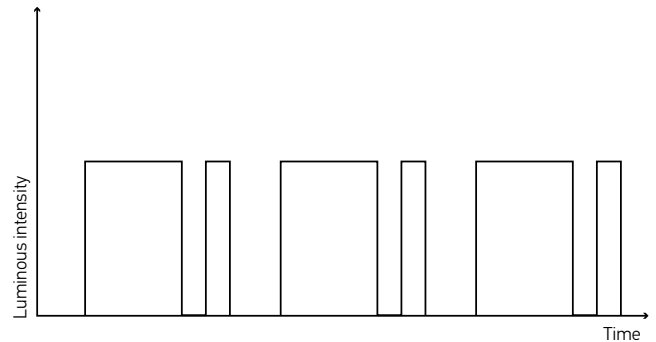
- Automatic day time / night time level: sensor measures the ambient brightness and controls the changeover between day time / night time levels by means of the measured values. Providing an optimum service during the day and not dazzling anyone at night.
- Signal: flashing or rotating. With a fixed attachment you can choose between switch or programming. With a pipe socket or magnetic attachment, you can choose between rotating and flashing warning signal by programming.
- Intelligent and powerful electronics: programmable for a wide range of flashing sequences or changeover to rotating function, multi-voltage function.
- Operational safety by means of 12 / 24 V polarity reversal and overvoltage protection.
- Ideal for permanent use, thanks to low current consumption.
- Ideal light output and focusing through the use of a special reflector and 20 high-power LEDs.
- Very robust and vibration-resistant: no moving parts, extremely flat design and impact-resistant dome.
- High-quality corrosion protection: by means of special finishing and coating of the housing. This provides a considerable degree of protection against aggressive media like salt and lyes.
- Cooling fins for an optimum thermal management to ensure the long design life.
- Assembly possible from below on bolt circle Ø 130 mm and from below and above on bolt circle Ø 150.

Rotating light function



Homogenous illumination with rapid increase in the light values, signal is clearly visible.

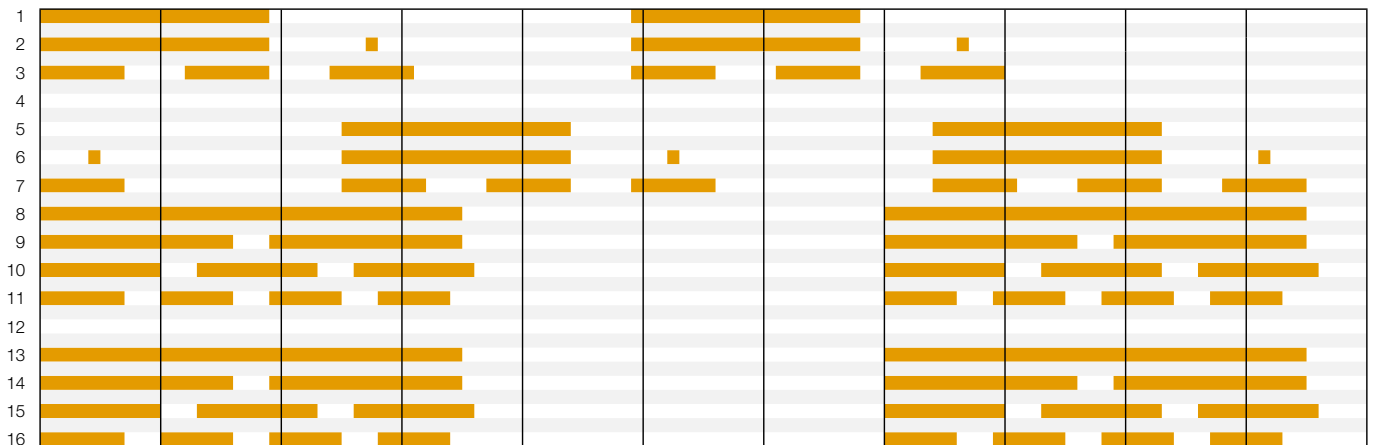
Flashing function



Intensive perception thanks to double-flash signal,

360° warning effect, rapid increase in light values, signal is clearly visible.

16 different warning signals



4 and 12 = rotating warning signals

Orange = on

White = off

PERFECT FOR:



TECHNICAL DETAILS

TECHNICAL SPECIFICATIONS	
Nominal voltage (U_N)	Multi-voltage
Operating voltage (U_B)	10–32 V
Interference suppression (CISPR25)	Power-controlled class 5
Total current consumption	0.45 A to 2.5 A
Power consumption	max. 30 W
Operating temperature range	-40 °C to +60 °C
Dome	Polycarbonate
Installation	from the bottom \varnothing 130mm from top and bottom \varnothing 150mm
Reverse polarity protection	Yes
Position of use	upright
Protection class	IP 67, IP 5K4K, IP X9K

TYPE TEST	
Approval	GGVSE / ADR ECE-R65 ECE-R10 TR 010 ICA0 (Airport variant)
Technical light homologation	TR1 \oplus 003468 TA2 \oplus 003555 TB2 \oplus 003555 SAE W3-1*
EMC protection	\oplus 036816 ECE-R10: 036816

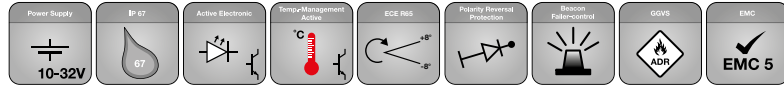
APPLICATION EXAMPLE



For more information:
www.hella.com/municipal

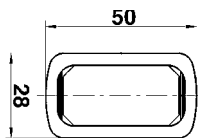
RANGE OVERVIEW

The products on this page have the following features:



Product image	Technical drawing	Description	Part Number
		K-LED 2.0 F beacon, amber	2XD 011 557-101
		K-LED 2.0 F beacon, blue	2XD 011 557-111
		K-LED 2.0 F beacon, red	2XD 011 557-121**
		K-LED 2.0 F beacon, green	2XD 011 557-131*
		K-LED 2.0 Airport beacon, yellow	2XD 011 557-701
		K-LED 2.0 Airport beacon, red	available on request
		K-LED 2.0 R beacon, amber	2XD 011 557-201
		K-LED 2.0 R beacon, blue	2XD 011 557-211
		K-LED 2.0 R beacon, red	2XD 011 557-221**
		K-LED 2.0 R beacon, green	2XD 011 557-211*
		K-LED 2.0 M beacon, amber	2XD 011 557-301
		K-LED 2.0 M beacon, blue	2XD 011 557-311
		K-LED 2.0 M beacon, red	2XD 011 557-321**
		K-LED 2.0 M beacon, green	On request*

ACCESSORIES



Toggle switch with neutral position, 12 V **6FH 354 112-251**

Toggle switch with neutral position, 12 V **6FH 354 112-261**

* No ECE approval – use as far as permitted by legislation.

** Not approved for road traffic in Germany, Austria and Switzerland.