



BRIEF INFORMATION

K-LED 2.0 Beacon

PRODUCT FEATURES

The K-LED 2.0 F can be switched between a rotating and flashing warning signal using a switch or programming. A sensor measures the ambient brightness and controls the changeover between day-time/night-time levels by means of the measured values. This guarantees you the greatest warning effectiveness. The beacon has been developed without any moving parts and is therefore optimally protected against strong vibrations and shocks. As a result, it features a long service life.

The extremely flat, shock-resistant dome made of polycarbonate guarantees particularly reliable protection against impacts (e.g. from branches). The housing is passivated and then powder-coated, which provides high-quality corrosion protection. In addition to approvals under ECE-R65, ECE-R10, and SAE Class 1, the beacon has been homologated under ICAO for use at airports, and under the regulations governing the Carriage of Dangerous Goods by Road (ADR / GGVSE) for dangerous goods transport.



Operating voltage 9 – 32 V



IP 67: dust-tight, able to withstand brief immersion in water



IP 9K: protection against the ingress of water during high-pressure cleaning



No malfunction caused by electromagnetic pulses



Approved according to ECE-R65

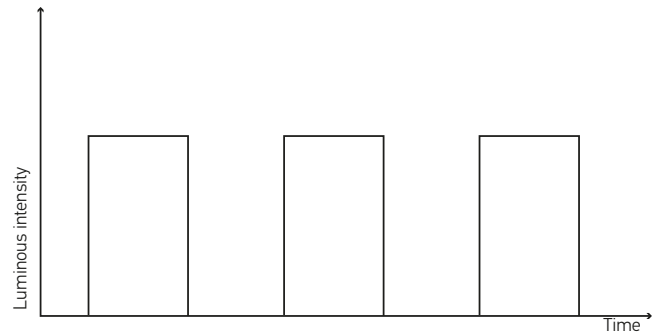


SAE approval

PRODUCT BENEFITS

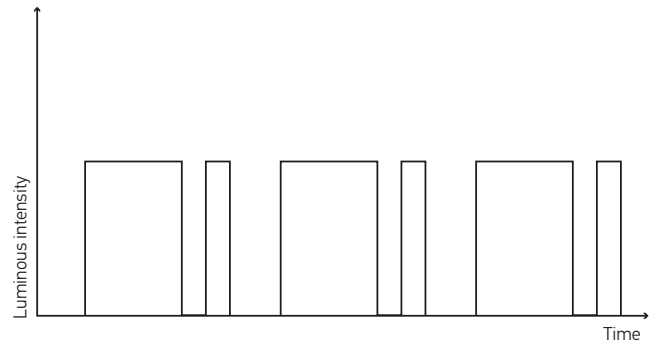
- Automatic day-time/night-time level: sensor measures the ambient brightness and controls the changeover between day-time/night-time levels by means of the measured values. This provides an optimum warning signal during the day and does not dazzle anyone at night.
- Signal: rotating/flashing. With fixed attachment, you can choose between the switch or 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: special finishing and coating on the housing. This provides a high degree of protection against aggressive media such as salt and lyes.
- Cooling fins for an optimum thermal management to ensure the long design life.
- Can be mounted from below on hole circle Ø 130 mm, and from below and above on hole circle Ø 150 mm.

Rotating light function



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

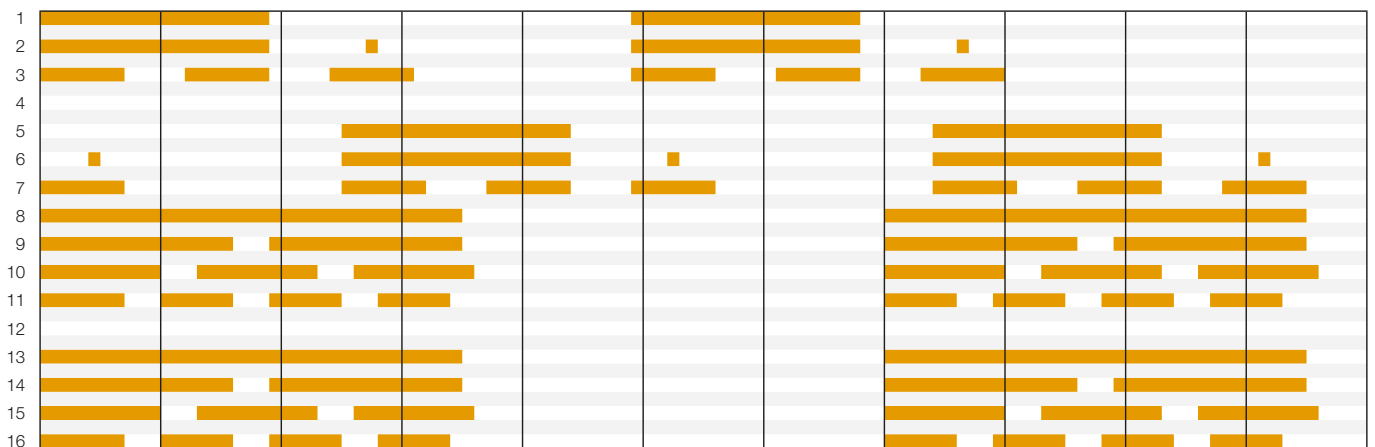
Flashing function



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
Total current consumption	0.45 A to 2.5 A
Maximum power consumption	approx. 30 W
Operating temperature range	-40 °C to +60 °C
Service life of LEDs	approx. 30.000 h*
Dome	Polycarbonate
Installation	from below, Ø 130 mm from below and above, Ø 150 mm
Reverse polarity protection	Yes
Position of use	upright
Protection class	IP 67, 9K

* As per details provided by LED manufacturers; depending on operating conditions the length of LED service life can vary.

TYPE TEST

Rotating light function

Lighting technology homologation, amber	TA1	Ⓔ	R10: 056816 R65: 003468
Lighting technology homologation, blue	TB1	Ⓔ	R10: 056816 R65: 003468
Lighting technology homologation, red	TR1	Ⓔ	R10: 056816 R65: 003468

Flashing function

Lighting technology homologation, amber	TA2	Ⓔ	R10: 056816 R65: 003555
Lighting technology homologation, blue	TB2	Ⓔ	R10: 056816 R65: 003555

TYPE TEST

Approval	GGVSE / ADR TR 010 ICAO (airport variant)
Technical light homologation	SAE J845 class 1
Interference suppression (CISPR25)	Conducted, class 5

APPLICATION EXAMPLE



For more information:
www.hella.com/municipal

RANGE OVERVIEW



Product image	Technical drawing	Description	Part Number
		K-LED 2.0 F beacon, yellow with gray housing	2XD 011 557-101
		K-LED 2.0 F beacon, yellow with black housing	2XD 011 557-841
		K-LED 2.0 F beacon, blue with gray housing	2XD 011 557-111
		K-LED 2.0 F beacon, red with gray housing	2XD 011 557-121*
		K-LED 2.0 F beacon, green with gray housing	2XD 011 557-131*
		K-LED 2.0 Airport beacon, yellow with gray housing	2XD 011 557-701
		K-LED 2.0 Airport beacon, red with gray housing	On request
		K-LED 2.0 R beacon, yellow with gray housing	2XD 011 557-201
		K-LED 2.0 R beacon, yellow with black housing	2XD 011 557-811
		K-LED 2.0 R beacon, blue with gray housing	2XD 011 557-211
		K-LED 2.0 R beacon, red with gray housing	2XD 011 557-221*
		K-LED 2.0 R beacon, green with gray housing	available on request*
		K-LED 2.0 M beacon, yellow with gray housing	2XD 011 557-301
		K-LED 2.0 M beacon, blue with gray housing	2XD 011 557-311
		K-LED 2.0 M beacon, red with gray housing	2XD 011 557-321*
		K-LED 2.0 M beacon, green with gray housing	Available on request*

ACCESSORIES

		Switch series 3100, 12 V	6FH 353 100-321
		Switch series 3100, 24 V	6FH 353 100-331
		Changeover switch with zero position, 12 V	Available on request
		Changeover switch with zero position, 24 V	Available on request

* No ECE approval – use as far as permitted by legislation. Not approved for public road traffic in the Federal Republic of Germany, Austria, and Switzerland.