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 / GGVE) 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/flash. 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
**TECHNICAL DETAILS**

### TECHNICAL SPECIFICATIONS

- **Nominal voltage (Uₚ):** Multi-voltage
- **Operating voltage (Uᵦ):** 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
- **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
- **Lighting technology homologation, blue:** TB1
- **Lighting technology homologation, red:** TR1

#### Flashing function

- **Lighting technology homologation, amber:** TA2
- **Lighting technology homologation, blue:** TB2

### Для more information:

www.hella.com/municipal

### APPLICATION EXAMPLE
## RANGE OVERVIEW

<table>
<thead>
<tr>
<th>Product image</th>
<th>Technical drawing</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="K-LED 2.0 F beacon, yellow with gray housing" /></td>
<td><img src="image2" alt="Technical drawing" /></td>
<td>K-LED 2.0 F beacon, yellow with gray housing</td>
<td>2XD 011 557-101</td>
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<tr>
<td><img src="image3" alt="K-LED 2.0 F beacon, yellow with black housing" /></td>
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## 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.