► Multi-voltage from 9–32 V
► Long service life with lower power consumption

Product features

► Modern design with brilliant finish
► Compact design
► For variable use
► Horizontal or vertical (SB, BL and SBBL)
► Only vertical (SBBL with housing)
► Right and left surface mounting/flush mounting
► Thanks to innovative LED technology and competent thermal management, a long service life is achieved for the light. Low energy consumption and no maintenance costs - “Fit and Forget” - make this product the perfect environmentally friendly light.
► High vibration resistance
► Tested to Hella Norm 67001 Class 10, allows use even in the heavy construction machinery sector.
As a leader in innovation in the field of automotive original equipment, Hella is setting standards through products using LED lighting technology, too.

An overview of the advantages of modern LED lighting technology:

**Extremely low energy consumption**
Thanks to the combination of efficient light-emitting diodes (LEDs) and precision lenses, Hella signal lamps achieve the legally prescribed light distribution – despite using 92% less power than light bulb versions!

**No light source replacement, no maintenance and extremely long service life thanks to proficient thermal management**
To increase light service life, all components are perfectly aligned with each other optimised for temperature. This will avoid overloading the LEDs at high ambient temperatures. Using quality LEDs and good thermal management, these products are designed for endurance throughout the service life of the vehicle thus representing a convincing, economic and environmentally friendly "Fit and Forget" solution.

**LED Multivolt technology**
Multivolt circuits keep the light output constant over a voltage range of 9 to 33 Volts. This makes it possible to use the same Hella signal lamp for 12 and 24 Volt applications. In addition, Multivolt also compensates for voltage fluctuations which arise through the use of long cables and plug-connections within the vehicle electric system. In addition, Hella Multivolt circuits are protected from inverse polarity and voltage peaks – even at low battery voltages.

**Indicator failure check**
The indicator function is monitored by the electronics. This generates a current pulse at a defined time for the indicator input. For every flashing pulse, the flasher unit ballast in the vehicle electric system demands this pulse for at least 107 ms every 100 ms. If components or LEDs in the indicator function are faulty, this is detected by the electronics: the pulse is not emitted. This way, the driver is always informed about the indicator failure. This meets the legal requirement for indicator failure detection (according to ECE regulation). The following three ballasts cover almost all application cases: 5 DS 009 552- ... 5 DS 009 602- ... 4 DW 009 492- ...

**Performance comparison of bulb-based and LED-based tail-stop-indicator light**

(specifications in Watts at 32 V)
Technical details

### Technical data

- **Type approval**: ECE
- **Failure check**: integrated for indicator
- **Specification**: Hella Norm 67001  
  Class 10  
  Construction machinery
- **Overvoltage protection**: 100 V
- **Operating temperature**: -40 °C to +60 °C
- **IP protective class**: IP 6K9K
- **EMC approval**: 03 4631
- **Service life**: 30,000 h*
- **Counterplug for SBBL -401/-407**: Deutsch DT06-4S to be purchased from

(* depending on the ambient temperature)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Function</th>
<th>Number of LEDs</th>
<th>Watts at 9 V</th>
<th>Current consumption at 9 V</th>
<th>Watts at 32 V</th>
<th>Current consumption at 32 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>2SD 343 390-011</td>
<td>SBBL</td>
<td>12 red (reduced power)</td>
<td>0,2 W</td>
<td>approx. 0,02 A</td>
<td>0,3 W</td>
<td>approx. 0,01 A</td>
</tr>
<tr>
<td>2SD 343 390-401</td>
<td></td>
<td>12 red</td>
<td>0,9 W</td>
<td>approx. 0,1 A</td>
<td>1,2 W</td>
<td>approx. 0,04 A</td>
</tr>
<tr>
<td>2SD 343 390-407</td>
<td></td>
<td>12 amber</td>
<td>1,2 W</td>
<td>approx. 0,13 A</td>
<td>2,1 W</td>
<td>approx. 0,07 A</td>
</tr>
<tr>
<td>2BA 343 390-071</td>
<td>Indicator</td>
<td>24 amber</td>
<td>2,0 W</td>
<td>approx. 0,22 A</td>
<td>2,9 W</td>
<td>approx. 0,09 A</td>
</tr>
<tr>
<td>2SB 343 390-091</td>
<td></td>
<td>12 red (reduced power)</td>
<td>0,2 W</td>
<td>approx. 0,02 A</td>
<td>0,6 W</td>
<td>approx. 0,02 A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 red</td>
<td>1,6 W</td>
<td>approx. 0,18 A</td>
<td>2,5 W</td>
<td>approx. 0,08 A</td>
</tr>
</tbody>
</table>

### Application example

![Application example](image-url)
### Range overview

<table>
<thead>
<tr>
<th>Product picture</th>
<th>Drawing</th>
<th>Part number</th>
<th>Specification</th>
<th>Type approval</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Drawing" /></td>
<td>2BA 343 390-071</td>
<td>Indicator for mounting to vehicle left or right, vertical or horizontal, 100 mm cable with open end. Break out water drain opening!</td>
<td>ECE 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image2.png" alt="Drawing" /></td>
<td>2SB 343 390-091</td>
<td>Taillight, stoplight for mounting to vehicle left or right, vertical or horizontal, 100 mm cable with open end. Break out water drain opening!</td>
<td>ECE 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image3.png" alt="Drawing" /></td>
<td>2SD 343 390-011</td>
<td>Taillight, stoplight and indicator for mounting on the left or right of the vehicle, vertical or horizontal, 100 mm cable with open end. Break out water drain opening!</td>
<td>ECE 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image4.png" alt="Drawing" /></td>
<td>2SD 343 390-401, 2SD 343 390-407</td>
<td>Taillight, stoplight and indicator for flush mounting on the left or right of the vehicle with housing pot, integrated 4-pole Deutsch plug. Water drain is already opened!</td>
<td>ECE 1</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

The individual functions of the lamp may only be operated with an on-board fuse of max. 3 A.

### Product supplements

Reverse light and rear fog light in bulb-based technology:

- **2NE 343 130-031**
- **2ZR 343 130-041**

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