CUSTOMISED LIGHT DESIGN!

The variety and range of shapes and the various combination options paired with a technically optimised product design make the new Shapeline light series a true innovation in vehicle lighting.

Whether the front, side or rear of a vehicle, every vehicle series – whether big or small – can have a unique and, above all, consistent look using a customised configuration and arrangement of lights. This allows us to meet the demands of vehicle manufacturers with lower numbers of manufactured vehicles.

Along with innovative technology and the familiar high quality of HELLA’s products, the variety of shapes of Shapeline lights provide you with nearly infinite design freedom.

Design your light – with HELLA Shapeline!

Premium Design  Flexible  Robust
Simple and safe  Multivolt
DESIGN FREEDOM AT THE CLICK OF A MOUSE

The HELLA Shapeline online configuration tool turns you into a lighting designer. With a few clicks, make your own vehicle light design for the front, sides, and rear – and see the result directly after, as applied convincingly to a car outline.

www.hella.com/shapeline
The modular HELLA Shapeline product range provides a variety of different light functions that can be combined with each other individually. Here, all lights are available in two different designs: The classic straight-line Shapeline Tech design and the dynamic curved Shapeline Style design.

Tech or Style: The HELLA Shapeline series provides design freedom for nearly any application and vehicle, and achieves a consistent light signature for your vehicle at the same time.
Position lights
Technical data see page 13.

Technical drawings

Position lights
Technical data see page 13.

Technical drawing

Reflex reflectors
Technical data see page 15.

Technical drawing

Reflex reflectors
Technical data see page 14.

Technical drawing
**FRONT**

**STYLE**

*Front direction indicators*  
Technical data see page 14.

*Technical drawings*

**SIDE**

**STYLE**

*Reflex reflectors*  
Technical data see page 18.

*Technical drawing*

**TECH**

*Front direction indicators*  
Technical data see page 14.

*Technical drawings*

*For a park light function a separate position/parking light is required.*

**TECH**

*Reflex reflectors*  
Technical data see page 18.

*Technical drawing*

*Clearance lights*  
Technical data see page 15.

*Technical drawing*
**SIDE**

**STYLE**

Side marker lights*
Technical data see page 17 – 18.

Technical drawing

---

**TECH**

Side marker lights*
Technical data see page 15 – 16.

Technical drawing

* The horizontal side marker lights can also be used as clearance or identification front (yellow) / rear (red) lamp.
Position lights
Technical data see page 18.

Stop tail turn lights
Technical data see page 19.

Technical drawing

Technical drawings
REAR

STYLE

Back-up lights
Technical data see page 19 – 20.

Technical drawings

TECH

Back-up lights
Technical data see page 19.

Technical drawing
REAR

STYLE

Rear fog lights
Technical data see page 20 – 21.

Technical drawings

TECH

Rear fog lights
Technical data see page 20.

Technical drawing
Reflex reflectors
Technical data see page 21.

Amber warning lights
Technical data see page 21.

Design element
Technical data see page 21.

Reflex reflectors
Technical data see page 21.

Technical drawing
### TECHNICAL INFORMATION

From the connection type to energy consumption and voltage: On the following pages, you will find the most important detail information and technical data clearly structured in table form for each module.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electromagnetic compatibility EMC 5</td>
<td>Tested and EU type approval issued.</td>
</tr>
<tr>
<td>Protection class IP X9K</td>
<td>Resistant to high-pressure jet cleaners</td>
</tr>
<tr>
<td>Operating temperature:</td>
<td>- 40°C to +60°C</td>
</tr>
<tr>
<td>Thermal management Active</td>
<td>Electronic power control of the LED in case of impermissibly high ambient temperatures. This ensures the LEDs are protected against destruction caused by overheating.</td>
</tr>
<tr>
<td>SAE compliant</td>
<td>Product is SAE compliant</td>
</tr>
<tr>
<td>Polarity reversal protection included</td>
<td>Even if the connecting cable is connected the wrong way around, there is no danger for the electronics.</td>
</tr>
<tr>
<td>AECQ – components qualified in accordance with the automotive standard</td>
<td>Components qualified according to automotive standard.</td>
</tr>
<tr>
<td>Short-circuit protection integrated</td>
<td>Protected against short circuit by means of an amp fuse.</td>
</tr>
<tr>
<td>EMVSS 108 / SAE compliant</td>
<td>Product is FMVSS 108 / SAE compliant.</td>
</tr>
<tr>
<td>Voltage range</td>
<td>9 – 32 V</td>
</tr>
<tr>
<td>ADR/GGVS certification for transport of dangerous goods</td>
<td>Light approved for transport of dangerous goods according to the European Agreement for the International Carriage of Dangerous Goods by Road (ADR; in German, GGVS).</td>
</tr>
<tr>
<td>Indicator failure check ISO 13207</td>
<td>Regulation in accordance with ECE-R48: The driver must be informed if the indicator function fails. To remain legally compliant, this requirement must also be fulfilled for LED lights. This requirement is fulfilled by means of an integrated self-diagnostic unit on the PCB of the LED and an electrical pulse. Since the end of 2011, this HELLA failure check with a pulse has been an ISO Standard: ISO 13207.</td>
</tr>
<tr>
<td>Protection class IP 6K7</td>
<td>International Protection (IP) in accordance with DIN 40060 part 9. The higher the protective class, the better the protection against penetrating media. IP 67 maximum value ➔ Completely sealed against dust and water.</td>
</tr>
</tbody>
</table>
### Connectors and wiring

<table>
<thead>
<tr>
<th>Design</th>
<th>Tech</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>FMVSS 108 / SAE</td>
<td>FMVSS 108 / SAE</td>
</tr>
</tbody>
</table>

**Device number**
- Please add packaging index as the last number
- Individual packaging or -7 Multiple-item packaging

**Minimum order quantity for packaging index 7**

**Voltage range:**
- 12/24
- 12/24

**Nominal voltage [V]**

**Current flow at 13.5V/28V [mA]**

**Number of LEDs**

**Power consumption at 13.5V/28V [W]**

**Dimensions (length / width / height in mm)**

**Operating temp.: -40° +60°C**

**Mounting system**
- T= tape; 2= screw
- 3= snap-ball-head bolt

**Mounting tolerance (+/- angle [°])**

**HELLA specification HN67101 class 6.3 + 7.2**

**Polarity reversal protection**

**Failure protection:**
- Current detection 1 LED off = all off

**Failure protection ISO 13207**

**Integrated short-circuit protection**

- Other fastening options available upon request.
<table>
<thead>
<tr>
<th>Design</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Tech</th>
<th>Tech</th>
<th>Tech</th>
<th>Tech</th>
<th>Tech</th>
</tr>
</thead>
</table>

**Connectors and wiring**

- **Device number**
  - (Please add packaging index as the last number)
  - -1 Individual packaging or -7 Multiple-item packaging

- **Minimum order quantity for packaging index 7**
- **Voltage range:** 9V – 16V
- **Voltage range:** 18V – 32V
- **Nominal voltage [V]**
- **Current flow at 13.5V/28V [mA]**
- **Number of LEDs**
- **Power consumption at 13.5V/28V [W]**

**Dimensions (length / width / height in mm)**

<table>
<thead>
<tr>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
<th>Style</th>
</tr>
</thead>
</table>

**Operating temp.** -60°C – +60°C

**Mounting system**
- 1= tape; 2= screw; 3= snap-ball-head bolt)

**Mounting tolerance (+/- angle [°])**

**HELLA specification HN67101**
- class 6.3 + 7.2

**Polarity reversal protection**

**Failure protection: current detection**
- 1 LED off = all off

**Failure protection ISO13207**

**Integrated short-circuit protection**

* Other fastening options available upon request. | ** For a park light function a separate position/parking light is required.
<table>
<thead>
<tr>
<th>Style</th>
<th>Tech</th>
<th>Dimensions</th>
<th>Voltage range</th>
<th>Minimum order quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Current flow</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power consumption at 13.5V/28V [mA]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Other fastening options available upon request. ** The product can also be used as clearance or identification front (yellow) / rear (red) lamp.
### Product Details

The product can also be used as clearance or identification front (yellow) / rear (red) lamp.

### Design Specifications

<table>
<thead>
<tr>
<th>Design</th>
<th>Side-marker light with reflex reflector yellow vert. rubber housing</th>
<th>Tech</th>
<th>Side-marker light with reflex reflector red vert.</th>
<th>Tech</th>
<th>Side-marker light with reflex reflector yellow vert. rubber housing</th>
<th>Tech</th>
<th>Side-marker light with reflex reflector red vert. rubber housing</th>
<th>Tech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>FMVSS 108 / SAE</td>
<td>Tech</td>
<td>FMVSS 108 / SAE**</td>
<td>Tech</td>
<td>FMVSS 108 / SAE</td>
<td>Tech</td>
<td>FMVSS 108 / SAE**</td>
<td>Tech</td>
</tr>
</tbody>
</table>

### Connectors and Wiring

<table>
<thead>
<tr>
<th>Device number</th>
<th>(Please add packaging index as the last number)</th>
<th>-1 Individual packaging or -7 Multiple-item packaging</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum order quantity for packaging index 7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage range: 9V – 16V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage range: 18V – 32V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal voltage [V]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current flow at 13.5V/28V [mA]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Power Consumption

| Power consumption at 13.5V/28V [W] | | | |

### Dimensions

| Dimensions (length / width / height in mm) | | | |

### Operating Temp.

| Operating temp.: -40 to +60°C | | | |

### Mounting System

| Mounting system (1=tape; 2=screw; 3= snap-ball-head bolt) | | | |

### Mounting Tolerance

| Mounting tolerance (+/- angle [°]) | | | |

### Hella Specification

| Hella specification HN67101 class 6.3 + 7.2 | | | |

### Polarity Reversal Protection

| Polarity reversal protection | | | |

### Failure Protection: Current Detection

| Failure protection: current detection, 1 LED off = all off | | | |

### Failure Protection ISO 13207

| Failure protection ISO 13207 | | | |

### Integrated Short-Circuit Protection

| Integrated short-circuit protection | | | |

* Other fastening options available upon request. ** The product can also be used as clearance or identification front (yellow) / rear (red) lamp.
<table>
<thead>
<tr>
<th>Style</th>
<th>Characteristics</th>
<th>Dimensions</th>
<th>Number of LEDs</th>
<th>Nominal Voltage [V]</th>
<th>Minimum Order Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side marker light yellow LH</td>
<td>FMVSS 108 / SAE **</td>
<td>171.8/37.8/17.1</td>
<td>1</td>
<td>12/24</td>
<td>6.3 mm receptacles 2100 mm</td>
</tr>
<tr>
<td>Side marker light yellow RH</td>
<td>FMVSS 108 / SAE **</td>
<td>205/34/15.5</td>
<td>1</td>
<td>12/24</td>
<td>6.3 mm receptacles 250 mm, overmolded</td>
</tr>
</tbody>
</table>

** The product can also be used as clearance or identification front (yellow) / rear (red) lamp.

* Other fastening options available upon request.
|----------------|----------------------------------------|----------------------------------------|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|

Connectors and wiring:

<table>
<thead>
<tr>
<th>Device number (Please add packaging index as the last number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1 Individual packaging or -7 Multiple-item packaging)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minimum order quantity for packaging index 7</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Voltage range: 9V – 16V</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Voltage range: 18V – 32V</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Nominal voltage [V]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Current flow at 13.5V/28V [mA]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Number of LEDs</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Power consumption at 13.5V/28V [W]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Dimensions (length / width / height in mm)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Operating temp.: -40 to +60°C</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mounting system (1=tape; 2=screw; 3=snap-ball-head bolt)*</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mounting tolerance (+/- angle [°])</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hella specification NH67101 class 6.3 + 7.2</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Polarity reversal protection</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Failure protection: current detection, 1 LED off = all off</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Failure protection ISO 13207</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Integrated short-circuit protection</th>
</tr>
</thead>
</table>

* Other fastening options available upon request. ** The product can also be used as clearance or identification front (yellow) / rear (red) lamp.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Code</th>
<th>Dimensions</th>
<th>Position</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 341-00</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>149.1/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 342-01</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 342-02</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 342-03</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 342-04</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 349-01</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>389.1/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 349-02</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>389.1/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 349-03</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>389.1/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 349-04</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>389.1/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 344-10</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>149.1/104/25</td>
<td>Integrated 3-pin AMP SS</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 344-11</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS (with 2 pin function)</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 344-12</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS (with 2 pin function)</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 344-13</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS (with 2 pin function)</td>
</tr>
<tr>
<td>01</td>
<td>3-pin AMP SS</td>
<td>ZSB 013 344-14</td>
<td>B: 35 / 7,6 0.7 / 1.5</td>
<td>275.4/104/25</td>
<td>Integrated 3-pin AMP SS (with 2 pin function)</td>
</tr>
</tbody>
</table>

Other fastening options available upon request.
### Connectors and wiring

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Style</strong></td>
<td><strong>Standard</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
<td><strong>Tech</strong></td>
<td><strong>Tech</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
<td><strong>Style</strong></td>
</tr>
</tbody>
</table>

### Device number

(please add packaging index as the last number
- 1 Individual packaging or
- 7 Multiple-item packaging)

### Minimum order quantity

<table>
<thead>
<tr>
<th></th>
<th>84</th>
<th>84</th>
<th>84</th>
<th>84</th>
<th>84</th>
<th>84</th>
<th>35</th>
<th>35</th>
<th>45</th>
<th>45</th>
<th>45</th>
<th>45</th>
</tr>
</thead>
</table>

### Voltage range

- 9V – 16V
- 18V – 32V

### Nominal voltage [V]

- 12V
- 24V

### Current flow at 13.5V/28V [mA]

<table>
<thead>
<tr>
<th></th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
<th>243 / 177</th>
</tr>
</thead>
</table>

### Number of LEDs

<table>
<thead>
<tr>
<th></th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
<td>243 / 177</td>
</tr>
</tbody>
</table>

### Power consumption at 13.5V/28V [W]

<table>
<thead>
<tr>
<th></th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
<th>2,9</th>
</tr>
</thead>
</table>

### Dimensions (length / width / height in mm)

<table>
<thead>
<tr>
<th></th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
<th>199,8/60/25</th>
</tr>
</thead>
</table>

### Operating temp. [-40 to +60°C]

<p>| | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

### Mounting system (1=tape; 2=screw; 3=snap-ball-head bolt)*

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mounting tolerance (+/- angle [°])

<table>
<thead>
<tr>
<th></th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### HELLA specification HN67101 class 6.3 = 7.2

<p>| | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

### Polarity reversal protection

<p>| | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

### Failure protection: current detection, 1 LED off = all off

<p>| | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

### Failure protection ISO13207

<p>| | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

### Integrated short-circuit protection

<p>| | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

* Other fastening options available upon request.
### Integrated Short-Circuit Protection

#### Failure Protection ISO 13207

<table>
<thead>
<tr>
<th>Mounting System</th>
<th>Screw Design</th>
<th>Dimensions (Length x Width x Height in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1=tape</td>
<td>3=snap-ball-head bolt</td>
<td>(please add packaging index as last number)</td>
</tr>
</tbody>
</table>

#### Specifications

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>Current Flow</th>
<th>Power Consumption at 13.5V/28V</th>
</tr>
</thead>
<tbody>
<tr>
<td>9V – 16V</td>
<td>243 / 84</td>
<td>117 / 24</td>
</tr>
<tr>
<td>18V – 32V</td>
<td>243 / 84</td>
<td>117 / 24</td>
</tr>
</tbody>
</table>

### Electrical Connectors

- **Standard**: fmvss 108 / sAe fmvss 108 / sAe fmvss 108 / sAe fmvss 108 / sAe fmvss 108 / sAe sAe fmvss 108 / sAe sAe sAe sAe sAe

### Light Design Elements

- **Rear Fog Light**
- **Backup Light Slim**
- **Reflex Reflector Rear LH**
- **Reflex Reflector Rear RH**
- **Amber Warning Light Yellow LH**
- **Design Element Wing LH**
- **Design Element Wing RH**

*Other fastening options available upon request.*
The tables on the previous pages show you which connectors and which wiring belong to which Shapeline product. The following shows you what the different connector types look like.

- **6.3 mm receptacle**
- **Open ends**
- **QL - Quick Link**
- **Amphenol**

- **Integrated AMP SUPERSEAL**
- **AMP SUPERSEAL**
- **EC - EasyConn straight/angled**
ASSEMBLY INSTRUCTIONS FOR SIDE MARKER LIGHTS

We offer you special installation angles for the simple assembly of the Shapeline side marker lights on the trailer chassis. The installation angles are available either individually or in combination with a side marker light, and are compatible with screw ball pin or snapping ball pin fixing systems.

OVERVIEW OF SIDE MARKER LIGHTS INCLUDING INSTALLATION ANGLES:

<table>
<thead>
<tr>
<th>Design</th>
<th>Standard</th>
<th>Connectors and wiring</th>
<th>Part number</th>
<th>Fixing system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side marker light with reflex reflector</td>
<td>Tech</td>
<td>EC straight 1300 mm</td>
<td>2PS 013 300-717</td>
<td>Screw fixing for installation angle</td>
</tr>
<tr>
<td>Amber hor. Including installation angle</td>
<td>SAE</td>
<td>QL 1300 mm</td>
<td>2PS 013 300-727</td>
<td></td>
</tr>
<tr>
<td>Side marker light with reflex reflector</td>
<td>Tech</td>
<td>6.3 mm receptacles 2100 mm</td>
<td>2PS 013 300-737</td>
<td>Screw fixing for installation angle</td>
</tr>
<tr>
<td>Amber hor. Including installation angle</td>
<td>SAE</td>
<td>Open ends 1500 mm</td>
<td>2PS 013 300-747</td>
<td></td>
</tr>
<tr>
<td>Side marker light with reflex reflector</td>
<td>Tech</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amber hor. Including installation angle</td>
<td>SAE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side marker light with reflex reflector</td>
<td>Tech</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amber hor. Including installation angle</td>
<td>SAE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side marker light with reflex reflector</td>
<td>Tech</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amber hor. Including installation angle</td>
<td>SAE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side marker light with reflex reflector</td>
<td>Tech</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amber hor. Including installation angle</td>
<td>SAE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other combinations of bracket/side marker light with reflex reflector are available upon request. More detailed information on the side marker lights can be found on pages 15 - 18.