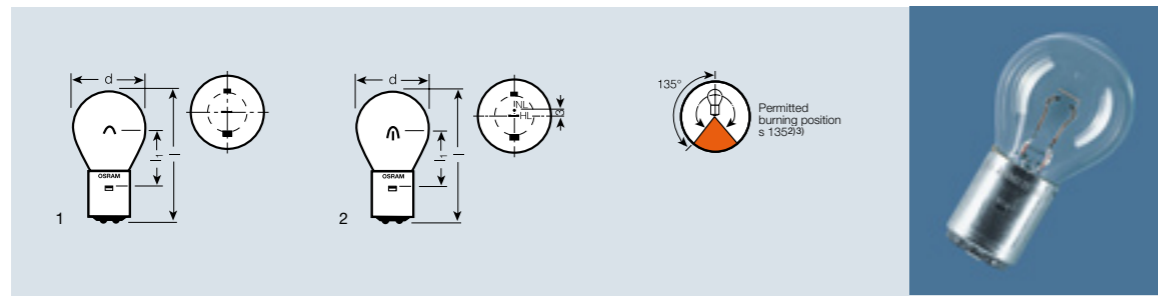


**LV high-pressure lamp for 40 V systems, single-coil, for road traffic equipment**  
**LV high-pressure lamp for 40 V systems, dual-coil, for road traffic equipment**



Product reference	Product number Single pack	V TEST	W	Im		d max. [mm]	l max. [mm]	l <sup>4)</sup> [mm]	Product number Standard pack			No.
<b>Low-voltage high-pressure lamp for 40 V systems, single-coil, for road traffic equipment</b>												
SIG 1455	4050300832364	40	25	250	BA20d	36	67	31	4050300218328	100	1	
SIG 1462	4050300832326	40	40	500	BA20d	36	67	31	4050300218366	100	1	
SIG 1470	4050300832289	40	60	800	BA20d	36	67	31	4050300218403	100	1	
<b>Low-voltage high-pressure lamp for 40 V systems, dual-coil, for road traffic equipment</b>												
SIG 1456	4050300832340	40	25/25	250	BA20d	36	67	31	4050300218342	100	2	
SIG 1463	4050300832302	40	40/40	500	BA20d	36	67	31	4050300218380	100	2	
SIG 1471	4050300832265	40	60/60	800	BA20d	36	67	31	4050300218427	100	2	

Low-voltage signal lamps for 40 V systems are used in signaling equipment in France and Benelux. They are available as single-coil and dual-coil lamps. The operational reliability of dual-coil lamps is much higher than that of single-coil lamps. If the main filament fails, it is possible to switch to the secondary filament. Availability of the installation is therefore significantly increased. For safety reasons, however, it is recommended that the lamp be replaced as soon as possible.

The average life of these lamps is 8000 hours (for dual-coil lamps this applies only to the main coil). The failure rate is less than 2% within the first 3000 hours of operation<sup>1)</sup>. In other words, maintenance intervals of around four months are possible (depending on the installation). The lamps comply with DIN 49842-1 and DIN 49842-3.

<sup>1)</sup> The premature failure rate is restricted to cases that are due to lamp faults and not to external influences  
<sup>2)</sup> Lamps with transverse filaments should only be inclined perpendicular to the filament plane

<sup>3)</sup> Only the permissible burning positions may be used otherwise the lamp will fail prematurely  
<sup>4)</sup> LCL = light center length (distance from the coil to top of base)

**HV krypton lamps for road traffic equipment**  
**HV Longlife krypton lamps for road traffic equipment**



Product reference	Product number Single pack	V TEST	W	Im		d max. [mm]	l max. [mm]	l <sup>3)</sup> [mm]	Product number Standard pack		No.
<b>High-voltage krypton lamps for road traffic equipment</b>											
SIG 1541	4008321044273	235	60	420	E27	62	91	69	4050300405070	100	
SIG 1543	4008321044365	235	75	600	E27	62	91	69	4050300032443	100	
SIG 1546	4008321044372	235	100	840	E27	62	101	79	4050300284101	100	

Many traffic light installations throughout mainland Europe are still operated on line voltage of between 220 and 240 V. Right from the start, the rugged construction of the line voltage signal lamps has proved its worth. These lamps also meet the high photometric requirements demanded by the signal optics used. High-voltage signal lamps are designed for an average life of 8000 hours. For meaningful economic and safety comparisons and for working out maintenance intervals the "individual lamp life" or premature failure rate is a better yardstick. In the case of these high-voltage signal lamps, the failure rate in the first 3000 hours of operation is no more than 2%. This premature failure rate<sup>1)</sup> allows maintenance intervals of around 4 months (depending on the system).

**The advantages of high-voltage krypton lamps are as follows:**

- Excellent optical efficiency thanks to a small cradle diameter
- High luminous efficacy from krypton as the filler gas
- High resistance to shock and vibrations thanks to the nine supports for the filament
- Corrosion-resistant bases

The krypton inert-gas lamps conform to the specifications of DIN 49842-2 and DIN 49842-3. This means that in modern signal lights the luminous intensity values laid down in DIN 67527-1 and DIN EN 12368 are met.

Product reference	Product number Single pack	V TEST	W	Im		d max. [mm]	l max. [mm]	l <sup>3)</sup> [mm]	Product number Standard pack		No.
<b>High-voltage Longlife krypton lamps for road traffic equipment</b>											
SIG 1541 LL	4008321044327	235	60	380	E27	62	91	69	4050300613642	100	
SIG 1543 LL	4008321044389	235	75	540	E27	62	91	69	4050300613666	100	
SIG 1546 LL	4008321044358	235	100	780	E27	62	101	79	4050300613680	100	

OSRAM has managed to improve the tried and trusted high-voltage lamp technology even further. Maintenance cycles are longer with the new Longlife signal lamps. Depending on the system, these cycles may be up to one year. Average life is 14,000 hours. Within the first 6,000 hours of operation there are no more than 2% lamp failures<sup>1)</sup>.

The rated luminous intensities defined in EN 12 368 are achieved at all wattage levels. Longlife lamps correspond completely to the successful standard series in their technical design, E27 base and unchanged light center length. They can therefore be used in existing high-voltage signals without the need for upgrades or adjustments.

<sup>1)</sup> The premature failure rate is restricted to cases that are due to lamp faults and not to external influences  
<sup>2)</sup> Only the permissible burning positions may be used otherwise the lamp will fail prematurely

<sup>3)</sup> LCL = light center length