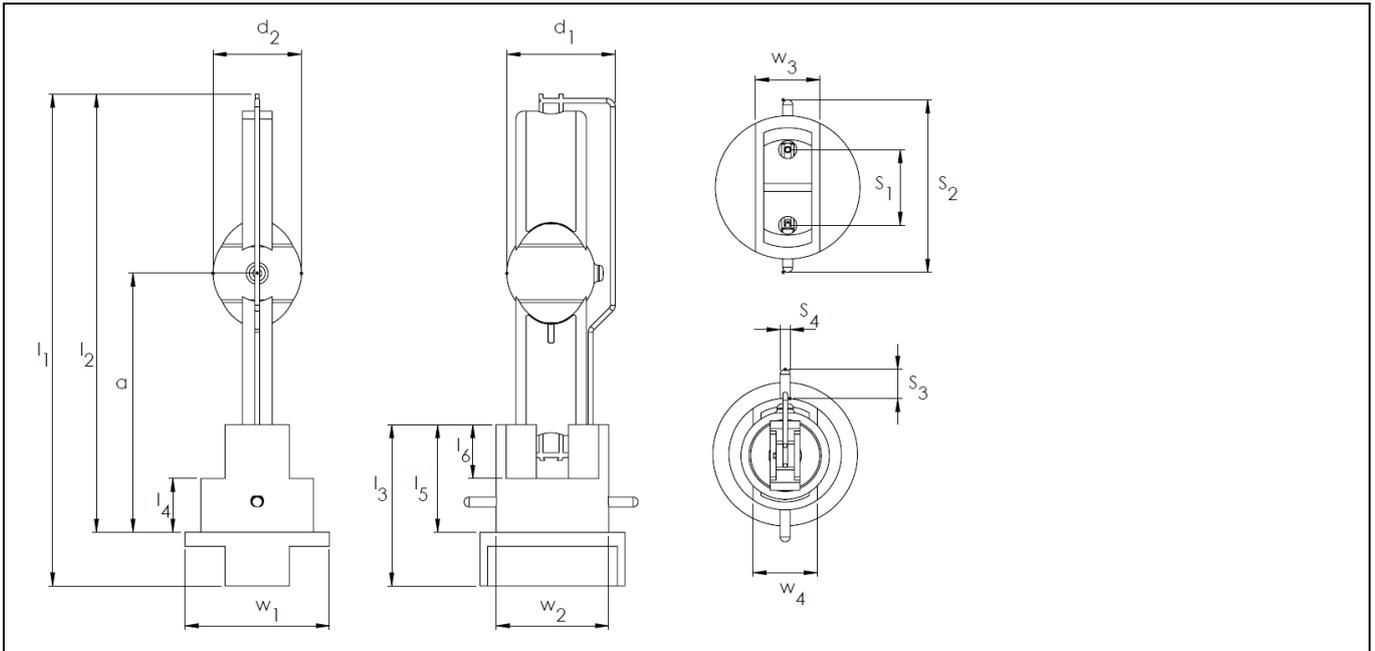




■ Product description

The OSRAM Lok-it® 1400/PS Brilliant (Power Series - High CRI) is a highly efficient, single-ended short-arc metal halide lamp with 6000 Kelvin colour temperature. On respective electronic power supplies, it could be operated from 1200W<sup>1</sup> to 1400W<sup>2</sup>. The new Lok-it!® plug'n'play system allows a quick one-touch lamp replacement. It is very compact and hence allows cold start of the lamp only. Featuring OSRAM's XS-Technology, the lamp stands pinch temperatures up to 500°C.



■ Technical data lamp

|                             |          |                   |  |    |                |
|-----------------------------|----------|-------------------|--|----|----------------|
| Order reference             | Lok-it!® | 1400/PS Brilliant | Bulb diameter $d_2$                        | mm | 21             |
| Ignition voltage            | kVs      | 7                 | Bulb diameter $d_1$<br>(incl. current bar) | mm | 26             |
| Rated lamp wattage          | W        | 1400              | Base height part $l_4$                     | mm | 13             |
| Rated lamp voltage          | V        | Min. 85,5         | Base height part $l_5$                     | mm | 27             |
| Rated lamp current (-)      | A        | Max. 16,6         | Base height part $l_6$                     | mm | 13             |
| Luminous flux               | lm       | min. 116.000      | Base plate diameter $w_1$                  | mm | 36             |
| Luminous efficacy           | lm/W     | 83                | Base neck width $w_2$                      | mm | 28             |
| Color temperature           | K        | 6.000             | Base handle width $w_3$                    | mm | 16,3           |
| Color rendering index       | Ra (R9)  | ≥ 95 (≥ 75)       | Base neck width $w_4$                      | mm | 16             |
| Average service life        | h        | 750               | Base pin inner distance $s_1$              | mm | 19             |
| Light arc length            | mm       | 5,5               | Base pin outer distance $s_2$              | mm | 43,5           |
| Lamp length (overall) $l_1$ | mm       | max. 120          | Base pin length $s_3$                      | mm | 8              |
| Lamp length $l_2$           | mm       | 105               | Base pin width $s_4$                       | mm | 2,5            |
| LCL a                       | mm       | 60 ± 1            | Base (pre-focus/bayonet)                   |    | PGJ28 Lok-it!® |
| Base height (overall) $l_3$ | mm       | 40                |  |    |                |

<sup>1</sup> Lamp operation at reduced power of min. 1200W possible, but life time behavior and initial values can be altered or deteriorate.

<sup>2</sup> Rated lamp power

## Technical Information

No. DO

Edition: 05/16 - subject to change

Supersedes: initial release

Status: approved



plug'n'play Metal Halide Lamp

# Lok-it!<sup>®</sup> 1400/PS Brilliant

## ■ Lamp operation

Maximum pinch seal temperature allowed                      °C                      500 / with eXtreme Seal Technology (measured at welding point)

.....  
Cooling    forced cooling / fan required

.....  
Burning position                                      any

.....  
The Lok-it!<sup>®</sup> 1400/PS Brilliant is designed to be operated on electronic power supplies (ECG) only.

## ■ Manufacturers of igniters and control gear (not all officially approved by OSRAM)

### Ballast:

Schiederwerk ELD 8-120

Schiederwerk M-PVG 12-16 AC

### Ignitor:

Schiederwerk KZG 20-5