



Light is emotion
Entertainment Lighting Program
2017/2018

Light is OSRAM

OSRAM



| | |
|---------------------------------------|----|
| OSRAM Entertainment | 4 |
| Claypaky and ADB | 6 |
| New packaging for entertainment lamps | 8 |
| Focus products | 10 |

Concert and effect lighting 22

12 points for OSRAM

Studio, TV and film lighting 42

Bright lights for the silver screen

Stage and theater lighting 64

Standing ovations guaranteed

Architectural lighting 86

Breathing life into buildings – day and night

| | |
|---------------------|-----|
| Further information | 92 |
| Index | 100 |
| Service | 102 |



Transforming performance

In all areas of entertainment lighting, OSRAM offers exciting products and solutions that take both technical and artistic performance to a new level.

We make light work for you

As a technology leader in the lighting industry, we strive to unlock the full potential of light and make it accessible to everyone. In the entertainment sector, the most important characteristic of light is its ability to generate the most diverse emotions. Our innovative technologies exercise this ability to the fullest: They provide high-precision lighting and dazzling effects, infusing audiences around the world with energy and excitement.

Artistic excellence meets technical perfection

OSRAM has changed the way the stage is set. We offer the latest and greatest on the entertainment lighting market, set new industry standards and add the highest

level of technical performance to the widest range of applications. As a result, our products bring a gleam to the eyes of artists, lighting designers and, most importantly, the audience.

OSRAM – full solution provider

As one of the world's top players in entertainment lighting, OSRAM offers:

- Luminaires for professional lighting sectors (Claypaky/ADB)
- Advanced, custom-made lamps and components for the top luminaire brands in entertainment lighting
- Innovative, future-oriented solutions in the laser and LED areas which can be tailor-made according to specific customer and application needs





Furthermore, we serve our customers with dedication and put strong relationships and customer understanding at the heart of our business. With our deep application expertise across industries and technologies and by anticipating the right innovations, we contribute to our customers' competitive edge. And we have established a legacy of delivering on our promises – reliably, globally, and for over a century.



Stronger than ever before

OSRAM has teamed up with Claypaky and ADB to give you the perfect solution for all sorts of entertainment lighting.

Whether it's concert, club, TV show, amusement park or theatrical performance – OSRAM, Claypaky and ADB always represent top class together. In 2014, OSRAM acquired Claypaky to increase its expertise in entertainment lighting and advance its technology and innovation strategy. The two companies complement each other perfectly and, time and time again, push each other to new heights. Market-leading technical expertise and construction know-how have entered into a unique symbiosis. In August 2016, OSRAM further expanded its leadership in entertainment lighting by acquiring certain assets from ADB, which specializes in lighting for theaters and TV studios.

The 2016 Eurovision Song Contest is an example of the success enjoyed by OSRAM and Claypaky. With OSRAM as the official lighting partner of the event, OSRAM's lamps and LIGHTIFY® lighting system as well as hundreds of Claypaky's lights set benchmarks at this "holy grail" of lighting designers – and made Eurovision a spectacular visual highlight.

Claypaky

Based in Italy, Claypaky is a worldwide reference brand in the professional lighting industry. Today, about 200 employees work on innovative solutions for the international entertainment industry. The wide range of Claypaky products includes moving heads and moving mirror projectors, color changers, follow spots, projectors for architectural lighting and various lighting effects. Claypaky lights are used in top productions in the theater, television, live events, the fashion world, fairs and exhibitions, and are installed in the best clubs, bars, theme parks, shops, conference rooms and architectural environments. Claypaky's award-winning spotlights are famous all over the world and trusted by countless renowned artists and companies.

Claypaky understands what is essential for its customers' success. With a wide range of top-class products, which are superior in robustness and light quality, it is the ideal choice for every lighting designer. The reliability of the products reduces the total cost of ownership, thus improving the bottom line for rental companies and distributors.



ADB

Based in St. Quentin, France, ADB is a reference brand in the professional lighting industry with a special focus on theater and TV studio applications. Originally founded in Belgium in 1920, the company offers a comprehensive range of products including luminaires, dimmers and lighting control desks. The company's products are sold worldwide through a network of qualified independent distributors. Applications have included various prestigious theaters such as the National Grand Theater in Beijing, the Opera Garnier in Paris and the Teatro alla Scala in Milan.



Clear and modern packaging and color concept

New distinct packaging and label colors: If you know the right color, finding the right product is as easy as it gets.

We have developed a simple and consistent packaging concept with a stylish design for the product groups Lok-it!®, SIRIUS HRI® and HMI®. This concept makes product identification during purchase and use much easier for you. While the packaging colors help you to identify the product group, the label colors are used to distinguish between different features and applications. The colors for special features will also be used for any future products with the same feature.

Lok-it!® Power Series



Base Lok-it!® PS Standard lamp

Base Lok-it!® PS Brilliant High CRI

Base Lok-it!® PS Blue 7,500K

The label colors of the Lok-it!® Power Series lamps can also be found on the bottom of the base.

SIRIUS HRI®



Base

SIRIUS HRI®

HMI®



Base

HMI®
Standard lamp

Base

HMI® DIGITAL

Base

HMI® EVENT



Base

HMI® STUDIO

HMI® DIGITAL

Robust, flicker-free lamps deliver a steady performance on set or on stage.





Advanced filming technology necessitates advanced set lighting

Now more than ever before, technology allows for an immersive movie experience, with intense visual effects and crisp sound. And technology has not only changed the way we experience movies, but the way we film them. Most productions rely heavily on digital film, a medium which brings its own set of benefits and challenges—especially for lighting.

To meet the needs of such film technology, OSRAM modernized its professional, high-performance HMI® lamps that have been trusted on film sets, stages and television studios for decades. The new line of HMI® DIGITAL lamps provides the benefits professionals have come to expect from the HMI® name, plus flicker-free lighting when operated in modes of 1,000 Hz and higher with high-speed electronic ballasts.

Benefits and features at a glance

- Suitable for both analog and digital film production
- Color temperature: 6,000 K (daylight)
- High color rendering index of > 90, for true-to-life colors
- Extremely bright light of up to 100lm/W
- Up to 99.9% less UV emissions (from models equipped with UV stop)
- Dimmable
- Hot restart capability
- Improved stability and design
- Robust stems, resulting in less breakage during transport
- Round moly-foil construction that evenly distributes heat and current for lamp longevity (6,000–18,000 W)

For more information, see:

Studio, TV and film lighting, page 44

Stage and theater lighting, page 66

HMI® STUDIO

An evolution in light. An effortless performance: OSRAM introduces HMI® STUDIO, a discharge lamp series that provides halogen-like light.

The next generation of HMI® lamps for film sets around the world: HMI® STUDIO

Over the last four decades, we've developed new products that help your performances shine a little brighter, all while making your job of modeling light for sets, stages and studios a little easier. The HMI® lamp family continues to be an integral part of film sets around the world. Thanks to their continuous improvement, HMI® lamps have made film history again and again.

Now, OSRAM proudly introduces the HMI® STUDIO metal halide lamp series with a tungsten 3,200 K color temperature for your film sets, theater stages and television studios. An evolution in metal halide lamps, the HMI® STUDIO series will simplify your stage by delivering best-in-class light while eliminating the need for separate tungsten halogen fixtures and their lamps.

Product features at a glance

Along with their inherent OSRAM quality and durability, HMI® STUDIO lamps offer:

- 3,200 K color temperature in luminaires
 - A plug-and-play option suitable for daylight fixtures
 - Twice as bright as tungsten halogen lamps with similar wattages
- A lifetime identical to traditional OSRAM HMI® lamps
 - High CRI of more than 90
 - Patented doped UV stop (UVS) quartz outer jacket eliminates 99.9% of UVB and UVC emissions



Light for the modern stage

For more information, see:

- *Studio, TV and film lighting, page 46*
- *Stage and theater lighting, page 68*



Light for dramatic scenes

HMI® EVENT

Showing stars in their true light –
the metal halide discharge lamp
for events and auto shows.





Stars and cars in the limelight

HMI® EVENT is a metal halide discharge lamp that has been designed specifically for large-scale events where branding, presentation and true-to-life color are of the utmost importance.

The high-output daylight source is ideal for putting fashion models and celebrities in the limelight. Moreover, it also delivers a stellar performance at auto shows, accurately reflecting the curves, color and essence of the cars and maintaining an even distribution and uniform color temperature across the cars' surface for up to fourteen hours.

Benefits

- Improved heat resistance – for head-down position of the fixture
- Tighter range of color temperature – for a stable CCT with reduced color and brightness shifts
- UV stop (UVS) – UV emissions reduced by up to 99.9 %

Applications

- Events, e.g. fashion shows and press events
- Exhibitions of autos as well as motor-cycles, boats and industrial equipment

HMI® EVENT light data tool

Simply use the unique serial code to find out about the characteristics of your lamp.



www.osram.com/hmilightdata

For more information, see:
 Concert and effect lighting, page 31



Lok-it!® Power Series

The right lamp for every job – the Lok-it!® Power Series gives you the most powerful, performance-oriented range of lamps.

With its re-launched Lok-it!® Power Series, OSRAM introduces the next generation of versatile discharge lamps for entertainment applications. From illuminating theater performances to creating dazzling light shows, the Lok-it!® Power Series has the ideal lamp for every stage, concert and club. All Lok-it!® Power Series lamps offer a high CRI of 90 and supply flexibility for entertainment applications. The lamps' natural tone of light, compact size, plug-and-play technology and uniform light emission render them ideal for use in a broad range of show venues. In addition to the known Lok-it!® 1000/PS and Lok-it!® 1700/PS lamps, OSRAM offers new varieties: **Brilliant** and **Blue**.

The OSRAM Lok-it!® Power Series offers:

- Natural tone of light with CRI of 90
- Compact size and short arc gap for use in smaller and brighter fixtures
- Higher luminous efficiency than standard HID lamps
- Optimized filling for uniform light emission and reduced output in the green wavelengths common to HID lamps
- “Plug-and-play” base (PGJX28 or PGJX36)
- Ceramic bases resistant to high voltages of up to 35kV





Lok-it!® Power Series (standard lamps)

Best for concert lighting, Lok-it!® 1000/PS and Lok-it!® 1700/PS provide entertaining effects and perform as well as the talent on your stage.

Main advantage:

Stable performance and reliability

Main application area:

Concert lighting

Lok-it!® Power Series Brilliant

Consisting of Lok-it!® 1000/PS Brilliant and Lok-it!® 1400/PS Brilliant, these high-performance lamps are perfect for theaters. With Lok-it!® Power Series Brilliant, the audience experiences true-to-life colors thanks to a CRI of 95.

Main advantage:

Life-like colors and natural skin tones

Main application area:

Theater lighting

Lok-it!® Power Series Blue

With its high color temperature of 7,500 K, Lok-it!® 1000/PS Blue shines when you require crisp white light.

Main advantage:

Bright whites that cut through the other colors on stage

Main application area:

Concert lighting

For more information, see:

Concert and effect lighting, page 24

Studio, TV and film lighting, page 50

Stage and theater lighting, page 72

Lamp replacement tool



[www.osram.com/
lamp-replace-
ment-entertainment](http://www.osram.com/lamp-replacement-entertainment)

SIRIUS HRI®

Compact reflector lamps with high light output for spectacular light effects – developed for small moving heads.





years
SIRIUS HRI®

Spectacular stage shows come to life through inspiring light presentations. In order to create impressive light effects, the lightweight and compact SIRIUS HRI® come with high luminance. The reflector lamps are perfectly suited for small and lightweight moving heads. They make a lasting impression with their long lifetime, a stable light output and fast lamp replacement.

Lamp replacement tool



[www.osram.com/
lamp-replace-
ment-entertainment](http://www.osram.com/lamp-replacement-entertainment)



For more information, see:

Concert and effect lighting, page 25

Studio, TV and film lighting, page 51

Your benefits

- Lightweight and compact reflector lamps with ECG
- Perfectly suited for small and lightweight moving heads
- Optimized burner design allows any burning position
- High luminance through very short arc and high pressure
- Bright light for brilliant light effects
- Long lifetime
- Easy lamp replacement
- Stable light output over the entire lifetime

SplitStar® S32 module platform solution



The S32 module is based on innovative multi-chip LED technology – high luminance and luminous flux for the use in entertainment and professional lighting applications.



The SplitStar® S32 CW – luminance is the key

The pattern of 16 closely arranged LED chips enables a particularly high luminance of up to 140 cd/mm²¹⁾. This far exceeds the average luminance of CoB (chip-on-board) modules of 20 cd/mm². The multi-chip cold white LED module also scores with a high luminous flux of up to 20,000 lm¹⁾ and an integrated temperature-controlled monitoring (NTC). Based on the flexible platform, customized versions in color and layout are possible.

The SplitStar® S32 RGBW – with all the familiar features of the S32

The S32 RGBW contains four 2 mm² high-current chips per color. Thanks to the low thermal resistance of 0.05 K/W²⁾, each chip can be operated with up to 5 A (red 4 A), which generates a large amount of light from a small surface. The integrated temperature control via NTC allows continuous operation. Typical target applications of the S32 RGBW are stage spotlights of any size, though the module is equally suited for use in mood lights, as effect lighting for accents or as architectural lighting. By mixing different S32 RGBW values, you can create a wide range of colors, including pastel shades.

Features and benefits

- **Up to 20,000 lm (CW)¹⁾**
Cutting-edge performance enables new generation of LED fixtures with superior light output
- **Up to 140 cd/mm² (CW)¹⁾**
Very high luminance, perfect for beam and spot lights

SplitStar® S32 RGBA (full white), the latest member of the SplitStar® family

The RGBA full white version features an adjustable white point and a high CRI along the Planckian locus. Four independent control channels with red, green, amber and blue provide a controllable color temperature mix between 2,700 and 7,000 K. The S32 RGBA is the perfect choice for any application requiring adjustable color temperatures in combination with a continuous high CRI and the well-known high luminance and luminous flux of the SplitStar® family.

SplitStar® solution partners

Dedicated optical solution based on light guide available at Auer Lighting.

Dedicated electronic driver available at ITG – Illuminance Technologies Group.

Dedicated LED holder for electrical connection available at Bender & Wirth.

For more information, see:

Concert and effect lighting, page 40

Studio, TV and film lighting, page 62

Stage and theater lighting, page 85

Architectural lighting, page 90

- **Scalable design**
Customized versions possible
- **LED chips are wired in series circuits**
Chips can be driven with standard voltage and current levels (5 A max., SELV)
- **Electrically insulated**
LED module can be mounted directly onto heat sinks

¹⁾ Pulse mode operation @25°C ²⁾ NTC to backplane

12 points for OSRAM!

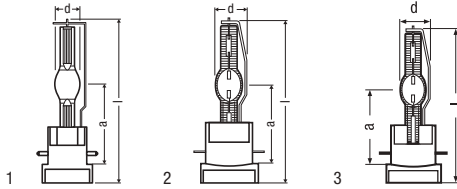
Concert and effect lighting

As the official lighting partner of the Eurovision Song Contest, we know how to put on a spectacular show. Our state-of-the-art lighting products enable great entertainment and bring a gleam to the eyes of artists, light designers and, most importantly, the audience.



| | |
|---|----|
| Lok-it!® HTI® and Lok-it!® Power Series | 24 |
| SIRIUS HRI® | 25 |
| SharXS® HTI® | 26 |
| Maxi SharXS® HTI® | 27 |
| Baby SharXS® HTI® | 28 |
| HTI®, single-ended | 29 |
| HTI®, double-ended | 30 |
| HMI® EVENT | 31 |
| Xstage® | 32 |
| 4ArXS HSD® | 33 |
| HSR® | 34 |
| EMH® (Classic Line) | 35 |
| Lok-it!® Halogen | 36 |
| Halogen lamps, medium/high voltage, single-ended | 37 |
| PAR56 | 39 |
| SplitStar® S32 LED modules | 40 |

Lok-it!®



| Product name | Product number | W | V | A | t [h] | lm | K |
|-------------------------------|----------------|------|-----|------|-------|--------|------|
| Lok-it!® | | | | | | | |
| Lok-it! HTI 400 W/60/P28 | 4008321605481 | 400 | 67 | 6 | 750 | 30000 | 6000 |
| Lok-it! HTI 700 W/60/P28 | 4052899179790 | 700 | 60 | 11.6 | 750 | 50000 | 6000 |
| Lok-it! HTI 700 W/75/P28 | 4008321510549 | 700 | 68 | 10.3 | 750 | 50000 | 7500 |
| Lok-it! HTI 700 W/75/P50 | 4008321485205 | 700 | 68 | 10.3 | 750 | 50000 | 7500 |
| Lok-it! HTI 1500 W/60/P50 | 4008321553416 | 1500 | 100 | 15 | 750 | 130000 | 6000 |
| Lok-it! HTI 1500 W/60/P50 M3W | 4008321818997 | 1500 | 100 | 15 | 750 | 130000 | 6000 |

Lok-it!® Power Series

| | | | | | | | |
|---------------------------|---------------|------|----|------|-----|--------|------|
| Lok-it! 1000/PS | 4052899965157 | 1000 | 85 | 12 | 950 | 85000 | 6000 |
| Lok-it! 1000/PS Blue | 4052899965171 | 1000 | 85 | 12 | 750 | 75000 | 7500 |
| Lok-it! 1000/PS Brilliant | 4052899965164 | 1000 | 85 | 12 | 750 | 82000 | 6000 |
| Lok-it! 1400/PS Brilliant | 4052899965195 | 1400 | 95 | 15.5 | 750 | 120000 | 6000 |
| Lok-it! 1700/PS | 4052899965201 | 1700 | 85 | 20 | 750 | 135000 | 6000 |

Product name



Lok-it!®

| | | | | | | | | |
|-------------------------------|------|----|-----|----|-----|--------|---|---|
| Lok-it! HTI 400 W/60/P28 | > 80 | 17 | 103 | 56 | 3.4 | PGJX28 | 1 | 1 |
| Lok-it! HTI 700 W/60/P28 | > 75 | 21 | 110 | 56 | 4.1 | PGJX28 | 1 | 1 |
| Lok-it! HTI 700 W/75/P50 | > 75 | 21 | 125 | 65 | 4 | PGJX50 | 1 | 2 |
| Lok-it! HTI 700 W/75/P28 | > 75 | 21 | 110 | 56 | 4 | PGJX28 | 1 | 1 |
| Lok-it! HTI 1500 W/60/P50 | > 85 | 25 | 128 | 65 | 6.1 | PGJX50 | 1 | 2 |
| Lok-it! HTI 1500 W/60/P50 M3W | > 85 | 25 | 128 | 65 | 5.8 | PGJX50 | 1 | 2 |

Lok-it!® Power Series

| | | | | | | | | |
|---------------------------|------|----|-----|----|-----|--------|---|---|
| Lok-it! 1000/PS | > 85 | 23 | 113 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1000/PS Blue | > 85 | 23 | 113 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1000/PS Brilliant | 95 | 23 | 113 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1400/PS Brilliant | 95 | 23 | 121 | 60 | 5.5 | PGJX28 | 1 | 3 |
| Lok-it! 1700/PS | 92 | 25 | 121 | 60 | 5.2 | PGJX28 | 1 | 3 |

Product features

- eXtreme Seal technology for discharge lamps

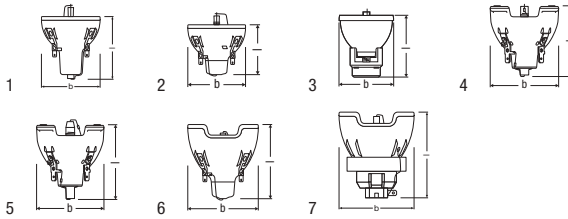
Product benefits

- Rapid relamping with bayonet lock

See safety advice no. 1 on page 92

More information about the focus product
See Lok-it!® Power Series on pages 16/17

SIRIUS HRI®



| Product name | Product number | W | A | t[h] | lm | K |
|--------------------|----------------|-----|-----|------|-------|------|
| SIRIUS HRI 100W | 4052899329119 | 100 | 1.8 | 6000 | 3680 | 9000 |
| SIRIUS HRI 132W | 4052899028708 | 132 | 1.9 | 6000 | 5150 | 9200 |
| SIRIUS HRI 140W RO | 4052899258969 | 140 | 1.9 | 6000 | 5400 | 9200 |
| SIRIUS HRI 190W + | 4008321866592 | 190 | 2.7 | 3000 | 8100 | 8200 |
| SIRIUS HRI 230W | 4008321810311 | 230 | 3.3 | 2500 | 9500 | 8000 |
| SIRIUS HRI 280W | 4008321810342 | 280 | 4 | 2000 | 11500 | 7800 |
| SIRIUS HRI 280W RO | 4052899110397 | 280 | 4 | 2000 | 11500 | 7800 |
| SIRIUS HRI 330W | 4008321810373 | 330 | 5 | 1500 | 18000 | 7400 |
| SIRIUS HRI 330W XL | 4052899195431 | 330 | 5 | 1500 | 16500 | 7250 |
| SIRIUS HRI 330W X8 | 4052899140295 | 330 | 4.4 | 1500 | 18000 | 8000 |
| SIRIUS HRI 440W | 4052899259096 | 440 | 5.3 | 1500 | 22000 | 7000 |
| SIRIUS HRI 440W S | 4052899329140 | 440 | 5.3 | 1500 | 22800 | 7000 |

| Product name | R _a | b [mm] | l [mm] | | | | |
|--------------------|----------------|--------|--------|-----|-----|---|---|
| SIRIUS HRI 100W | 60 | 45 | 53 | Any | 1.0 | 1 | 1 |
| SIRIUS HRI 132W | 60 | 46 | 44 | Any | 1.0 | 1 | 2 |
| SIRIUS HRI 140W RO | 60 | 46 | 44 | Any | 1.0 | 1 | 2 |
| SIRIUS HRI 190W + | 73 | 51 | 54.5 | Any | 0.8 | 1 | 3 |
| SIRIUS HRI 230W | 75 | 51 | 54.5 | Any | 1.0 | 1 | 3 |
| SIRIUS HRI 280W | 78 | 51 | 54.5 | Any | 0.9 | 1 | 3 |
| SIRIUS HRI 280W RO | 78 | 51 | 54.5 | Any | 0.9 | 1 | 3 |
| SIRIUS HRI 330W | 86 | 56 | 63 | Any | 1.0 | 1 | 4 |
| SIRIUS HRI 330W XL | 71 | 56 | 63 | Any | 1.3 | 1 | 5 |
| SIRIUS HRI 330W X8 | 85 | 58 | 66 | Any | 1.2 | 1 | 6 |
| SIRIUS HRI 440W | 80 | 58 | 71 | Any | 1.3 | 1 | 7 |
| SIRIUS HRI 440W S | 80 | 58 | 71 | Any | 1.3 | 1 | 7 |

Product features

- High luminance through very short arc and high pressure
- Bright light for brilliant light effects
- Long lifetime

Product benefits

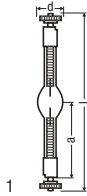
- Lightweight and compact reflector lamps with ECG
- Perfectly suited for small and lightweight moving heads
- Optimized burner design allows any burning position
- Easy lamp replacement
- Stable light output over the entire lifetime

See safety advice no. 1 on page 92

More information about the focus product

See SIRIUS HRI® on pages 18/19

SharXS® HTI®



1



| Product name | Product number | W | V | kV START | A | t [h] | lm | cd/cm ² |
|---------------------------------------|----------------|------|-----|----------------------|------|-------|--------|--------------------|
| SharXS HTI 400 W/D3/75 ¹⁾ | 4008321285157 | 400 | 50 | 3.0/25 ⁵⁾ | 8 | 750 | 26000 | 55000 |
| SharXS HTI 700 W/D4/60 ²⁾ | 4008321285218 | 700 | 70 | 3.0/25 ⁵⁾ | 10 | 750 | 59000 | 60000 |
| SharXS HTI 700 W/D4/75 ¹⁾ | 4008321285232 | 700 | 70 | 3.0/25 ⁵⁾ | 10 | 750 | 59000 | 60000 |
| SharXS HTI 1200 W/D7/60 ³⁾ | 4008321285256 | 1200 | 95 | 5.0/35 | 12.7 | 750 | 110000 | 41000 |
| SharXS HTI 1200 W/D7/75 ²⁾ | 4008321285270 | 1200 | 95 | 5.0/35 | 12.7 | 750 | 110000 | 41000 |
| SharXS HTI 1500 W/D7/60 ⁴⁾ | 4008321285294 | 1500 | 110 | 5.0/35 | 14 | 750 | 145000 | 42000 |
| SharXS HTI 1500 W/D7/75 | 4008321510525 | 1500 | 110 | 5.0/35 | 14 | 750 | 145000 | 42000 |

| Product name | K | Ra | d [mm] | l [mm] | LCL a [mm] | | | | |
|---------------------------------------|------|------|--------|--------|------------|-----|---------|---|---|
| SharXS HTI 400 W/D3/75 ¹⁾ | 7500 | 80 | 18 | 135 | 57.5 | Any | SFc10-4 | 1 | 1 |
| SharXS HTI 700 W/D4/60 ²⁾ | 6000 | > 80 | 18 | 135 | 57.5 | Any | SFc10-4 | 1 | 1 |
| SharXS HTI 700 W/D4/75 ¹⁾ | 7500 | > 80 | 21 | 135 | 57.5 | Any | SFc10-4 | 1 | 1 |
| SharXS HTI 1200 W/D7/60 ³⁾ | 6000 | 90 | 21 | 136 | 57.5 | Any | SFc10-4 | 1 | 1 |
| SharXS HTI 1200 W/D7/75 ²⁾ | 7500 | 80 | 21 | 135 | 57.5 | Any | SFc10-4 | 1 | 1 |
| SharXS HTI 1500 W/D7/60 ⁴⁾ | 6000 | 90 | 25 | 135 | 57.5 | Any | SFc10-4 | 1 | 1 |
| SharXS HTI 1500 W/D7/75 | 7500 | 90 | 25 | 136 | 57.5 | Any | SFc10-4 | 1 | 1 |

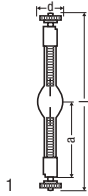
1) Also available as an OEM package with 30 units without knurled nuts
 2) XS = eXtreme Seal (maximum permissible foil temperature 450 °C)
 3) Also available as an OEM package with 30 units without knurled nuts / XS = eXtreme Seal (maximum permissible foil temperature 450 °C)
 4) May be operated from 1,200...1,500 W
 5) Cold/hot

Product features

- Always ready for a hot restart
- Allows for a more compact luminaire design
- Pre-focus base for accurate lamp installation
- Double-ended lamp allows for key-lock socket feature

See safety advice no. 1 on page 92

Maxi SharXS® HTI®



1



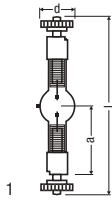
| Product name | Product number | W | V | A | t [h] | Im | K |
|-------------------------------|----------------|--------|--------|---------------|-------|---------|------|
| Maxi SharXS HTI 2000 W/D10/60 | 4008321334947 | 2000 | 105 | 0 | 750 | 200000 | 6000 |
| Product name | Ra | d [mm] | l [mm] | LCL a [mm] | | | No. |
| Maxi SharXS HTI 2000 W/D10/60 | > 90 | 28 | 220 | 90 | Any | SFc15.5 | 1 |

Product features

- Short 10 mm arc for greater efficiency
- eXtreme Seal (XS) technology for improved thermal loading
- Modular design with overall length of 220mm

See safety advice no. 1 on page 92

Baby SharXS® HTI®



| Product name | Product number | W | V | kV START | A | t[h] | lm | K |
|-----------------------------|----------------|-----|-----|----------------------|-----|------|-------|------|
| Baby SharXS HTI 250 W/D5/80 | 4008321129161 | 250 | 95 | 2.0/20 ¹⁾ | 3.1 | 3000 | 19000 | 8000 |
| Baby SharXS HTI 300 W/D5/57 | 4008321129185 | 300 | 80 | 4.5/20 | 4.3 | 3000 | 20000 | 5700 |
| Baby SharXS HTI 300 W/D5/65 | 4008321129208 | 300 | 100 | 4.5/20 | 4.3 | 750 | 22000 | 6500 |
| Baby SharXS HTI 575 W/D5/56 | 4008321129345 | 575 | 95 | 4.5/20 | 7.0 | 500 | 43000 | 5600 |

| Product name | R _a | ∅ d [mm] | l [mm] | LCL ∅ [mm] | | | | No. |
|-----------------------------|----------------|----------|--------|------------|-----|---------|---|-----|
| Baby SharXS HTI 250 W/D5/80 | > 85 | 16 | 93 | 35 | Any | SFc10-4 | 1 | 1 |
| Baby SharXS HTI 300 W/D5/57 | 80 | 16 | 93 | 35 | Any | SFc10-4 | 1 | 1 |
| Baby SharXS HTI 300 W/D5/65 | 85 | 16 | 93 | 35 | Any | SFc10-4 | 1 | 1 |
| Baby SharXS HTI 575 W/D5/56 | 85 | 16 | 93 | 35 | Any | SFc11-4 | 1 | 1 |

1) Cold/hot

Product features

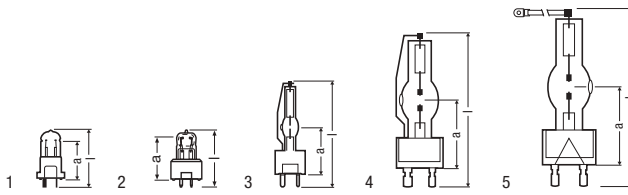
- eXtreme Seal (XS): maximum permissible temperature 450 °C
- Color temperature: approx. 6,000 K (daylight)
- Hot restart capability
- AC current
- Average life: 500...3,000 h (depending on type)
- Good color rendering index: R_a > 80 to > 85

See safety advice no. 1 on page 92

Product benefits

- High average luminance (30...50 kcd/cm²)

HTI®, single-ended



| Product name | Product number | W | V | A | t [h] | lm | cd/cm ² |
|--------------------------------|----------------|------|-----|------|-------|--------|--------------------|
| HTI 150 W ¹⁾ | 4050300301402 | 150 | 100 | 1.6 | 750 | 10000 | 5000 |
| HTI 152 W | 4050300461519 | 152 | 95 | 1.7 | 2000 | 10000 | 4200 |
| HTI 705 W/SE XS ²⁾ | 4050300618074 | 700 | 70 | 10 | 500 | 59000 | 30000 |
| HTI 1200 W/SE XS ²⁾ | 4050300371153 | 1200 | 100 | 12.7 | 750 | 105000 | 26000 |
| HTI 2500 W/SE XS | 4050300371146 | 2500 | 115 | 23.8 | 600 | 240000 | 30000 |

| Product name | K | l [mm] | LCL & [mm] | | | | |
|--------------------------------|------|--------|------------|--------------------|--------------------|----|---|
| HTI 150 W ¹⁾ | 6900 | 46 | 30 | Any | GY9.5 | 12 | 1 |
| HTI 152 W | 5000 | 48 | 30 | Any | GY9.5 | 12 | 2 |
| HTI 705 W/SE XS ²⁾ | 5500 | 85 | 39 | p45 ⁴⁾ | GY9.5 | 10 | 3 |
| HTI 1200 W/SE XS ²⁾ | 5400 | 135 | 59 | s135 ⁴⁾ | GY22 ⁵⁾ | 1 | 4 |
| HTI 2500 W/SE XS | 6000 | 180 | 85 | s135 | G22 ⁶⁾ | 1 | 5 |

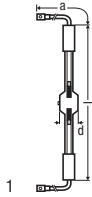
1) Horizontal arc
 2) SE = single-ended / XS = eXtreme Seal (maximum permissible foil temperature 450 °C)
 3) Special GY22 base: the ignition voltage may be applied only to the thin pin / XS = eXtreme Seal (maximum permissible foil temperature 450 °C) / Important: The contact pins of the base are short-circuited; the electrode farthest from the base is connected via cable
 4) Current strap underneath
 5) Special GY22 base: the ignition voltage may be applied only to the thin pin
 6) Important: The contact pins of the base are short-circuited; the electrode farthest from the base is connected via cable

Product benefits

- High luminance
- High luminous efficacy and efficiency

See safety advice no. 1 on page 92

HTI® , double-ended



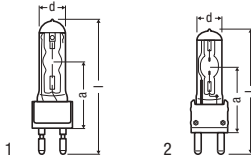
| Product name | Product number | W | V | A | t [h] | lm | K |
|---------------|----------------|------|-----|-----|-------|--------|------|
| HTI 4000 W/DE | 4050300519845 | 4000 | 115 | 40 | 500 | 360000 | 6300 |
| Product name | | | | | | | |
| HTI 4000 W/DE | 40 | 270 | 140 | p30 | S25.5 | 1 | 1 |

Product benefits

- High luminance
- High luminous efficacy and efficiency

See safety advice no. 1 on page 92

HMI® EVENT



| Product name | Product number | W | V | A | t [h] | lm |
|-----------------|----------------|------|-----|------|-------|--------|
| HMI 575W EVENT | 4052899301726 | 575 | 95 | 7 | 1000 | 49000 |
| HMI 1200W EVENT | 4052899301740 | 1200 | 100 | 13.8 | 1000 | 110000 |

| Product name | K | e [mm] | l [mm] | LCL a [mm] | | | | No. |
|-----------------|------|--------|--------|---------------|-----|-----|----|-----|
| HMI 575W EVENT | 6000 | 30 | 145 | 145 | Any | G22 | 10 | 1 |
| HMI 1200W EVENT | 6000 | 42 | 200 | 200 | Any | G38 | 1 | 2 |

Product features

- Optimized filling
- Optimized photometric properties

Product benefits

- Extremely uniform light — reduced color or brightness shifts
- Consistent daylight color temperature over the lifetime of the lamp
- High light output
- Excellent color rendering index of $R_a > 90$, stable over the lifetime of the lamp
- Minimal light scattering

Areas of application

- Exhibitions of autos, boats, industrial equipment and motorcycles

See safety advice no. 4 on page 92



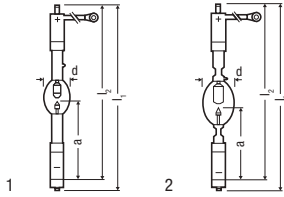
Looking for a solution for moving heads?

See Lok-it!® on page 24

More information about the focus product

See HMI® EVENT on pages 14/15

Xstage®



| Product name | Product number | W | V | A | $\frac{I}{A}$ | t [h] | lm |
|-------------------|----------------|------|----|-----|---------------|-------|--------|
| Xstage 2000 W OFR | 4008321288820 | 2000 | 23 | 90 | 70...100 | 1000 | 80000 |
| Xstage 3000 W OFR | 4008321288837 | 3000 | 30 | 100 | 70...110 | 1000 | 140000 |
| Xstage 4000 W OFR | 4008321288844 | 4000 | 30 | 130 | 80...135 | 1000 | 150000 |
| Xstage 7000 W OFR | 4008321288851 | 7000 | 40 | 160 | 110...165 | 1000 | 330000 |

| Product name | d [mm] | h [mm] | l [mm] | LCL a [mm] | | | | |
|-------------------|--------|--------|--------|---------------|------------|----------|---|---|
| Xstage 2000 W OFR | 47 | 300 | 262 | 120 | SFaX27-9.5 | SFc28-27 | 1 | 1 |
| Xstage 3000 W OFR | 55 | 300 | 262 | 120 | SFaX27-9.5 | SFc28-27 | 1 | 1 |
| Xstage 4000 W OFR | 60 | 315 | 277 | 120 | SFaX27-9.5 | SFc28-27 | 1 | 2 |
| Xstage 7000 W OFR | 70 | 400 | 362 | 162.5 | SFaX27-9.5 | SFc28-27 | 1 | 2 |

Product features

- Color temperature: approx. 6,000 K (daylight)
- Dimmable
- Hot restart capability

Areas of application

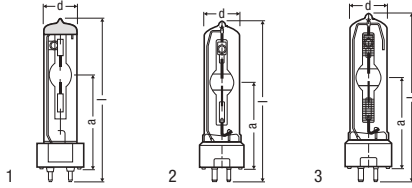
- Xenon short-arc lamps for event and architectural lighting

Product benefits

- Higher luminance thanks to the shorter arc
- Optimized base for better stability
- Optimized compact design

See safety advice no. 3 on page 92

4ArXS HSD®



| Product name | Product number | W | V | A | t [h] | lm | K |
|----------------------------------|----------------|-----|----|-----|--------------------|-------|------|
| 4ArXS HSD 150 W/70 ¹⁾ | 4008321625847 | 150 | 97 | 1.8 | 3000 ²⁾ | 12000 | 7000 |
| 4ArXS HSD 250 W/60 | 4008321625762 | 250 | 90 | 3.3 | 2000 | 17000 | 6000 |
| 4ArXS HSD 250 W/80 | 4008321625786 | 250 | 95 | 3.2 | 3000 | 17000 | 8000 |
| 4ArXS HSD 575 W/72 | 4008321625809 | 575 | 88 | 7.4 | 3000 | 45000 | 7200 |

| Product name | d [mm] | l [mm] | LCL a [mm] | | | | No. |
|----------------------------------|--------|--------|---------------|------|-------|----|---------|
| 4ArXS HSD 150 W/70 ¹⁾ | 20 | 105 | 56 | hs30 | G12 | 10 | 1 |
| 4ArXS HSD 250 W/60 | 23 | 108 | 55 | hs30 | GY9.5 | 10 | 2 |
| 4ArXS HSD 250 W/80 | 23 | 108 | 55 | hs30 | GY9.5 | 10 | 2 |
| 4ArXS HSD 575 W/72 | 30 | 135 | 65 | hs30 | GX9.5 | 10 | 3 |

1) Outer bulb with UV filter

2) Failure rate 2% the first 3,000h; this statement must be restricted only to attributable lamp faults

Product benefits

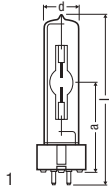
- Especially long lifespan

See safety advice no. 1 on page 92








Areas of application

- Entertainment
- Architectural lighting

HSR®



| Product name | Product number | W | V | A | t [h] | lm | cd/cm ² |
|--------------|----------------|-----|----|-----|-------|-------|--------------------|
| HSR 400/60 | 4008321631503 | 400 | 67 | 6.9 | 1000 | 33000 | 20000 |
| HSR 575/60 | 4008321625885 | 575 | 95 | 6.1 | 1000 | 49000 | 10000 |
| HSR 575/72 | 4008321662583 | 575 | 95 | 6.1 | 1000 | 49000 | 10000 |

| Product name | K |  d [mm] |  l [mm] |  LCL & [mm] |  |  |  |  No. |
|--------------|------|--|--|--|---|---|---|---|
| HSR 400/60 | 6000 | 23 | 110 | 62 | hs30 | GX9.5 | 10 | 1 |
| HSR 575/60 | 6000 | 30 | 125 | 65 | hs30 | GX9.5 | 10 | 1 |
| HSR 575/72 | 7200 | 30 | 125 | 65 | hs30 | GX9.5 | 10 | 1 |

Product features

- Single-ended lamps similar to HTI® lamps

Product benefits

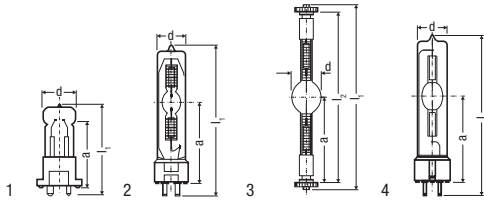
- Outer bulb for ease of handling

Areas of application

- Entertainment
- Architectural lighting

See safety advices no. 1 and 2 on page 92

EMH® (Classic Line)



| Product name | Product number | W | V | A | t[h] | K | Ra | ∅ [mm] |
|-----------------|----------------|------|-----|------|------|------|------|--------|
| EMH 150W/SE/70 | 4008321345004 | 150 | 90 | 1.8 | 500 | 7000 | > 70 | 13 |
| EMH 250W/SE/80 | 4008321345028 | 250 | 94 | 3.3 | 2000 | 8000 | > 60 | 23 |
| EMH 575W/DE/60 | 4008321345042 | 575 | 95 | 7 | 750 | 6000 | > 75 | 24 |
| EMH 575W/DE/75 | 4008321345066 | 575 | 95 | 7 | 750 | 7500 | > 60 | 24 |
| EMH 575W/SE/75 | 4008321345080 | 575 | 95 | 7 | 750 | 7500 | > 70 | 28 |
| EMH 1200W/DE/60 | 4008321345103 | 1200 | 100 | 13.8 | 750 | 6000 | > 70 | 27 |

| Product name | LCL a [mm] | l1 [mm] | l2 [mm] | | | Lamp Reference | | No. |
|-----------------|---------------|------------|------------|-------------------|---------|----------------|----|-----|
| EMH 150W/SE/70 | 30 | 46 | - | Any ¹⁾ | GY9.5 | HTI 150 | 10 | 1 |
| EMH 250W/SE/80 | 55 | 108 | - | Any | GY9.5 | HSD 250 W/80 | 10 | 2 |
| EMH 575W/DE/60 | 57.5 | 135 | 115 | Any | SFc10-4 | HMI 575 W/DXS | 10 | 3 |
| EMH 575W/DE/75 | 57.5 | 135 | 115 | Any | SFc10-4 | | 10 | 3 |
| EMH 575W/SE/75 | 65 | 125 | - | Any | GX9.5 | HSR 575 W/72 | 10 | 4 |
| EMH 1200W/DE/60 | 90 | 220 | 180 | Any | SFc15.5 | HMI 1200 W/DXS | 10 | 3 |

1) Luminous arc horizontal

Product benefits

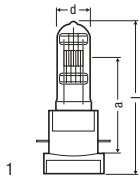
- Effective high-quality light at an attractive price
- Economical versions of the most popular metal halide lamps
- Excellent price/performance ratio
- Available in different wattages and color temperatures
- Available as single-ended and double-ended versions

Areas of application

- Clubs
- Shops
- Small stages


See safety advice no. 1 on page 92

Lok-it!®

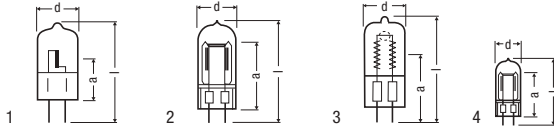


| Product name | Product number | W | V | t [h] | lm | K | d [mm] |
|---------------------------|----------------|------|-----|-------|-------|------|--------|
| Lok-it! 1200W 80V/32/P50 | 4008321382795 | 1200 | 80 | 250 | 37500 | 3200 | 25 |
| Lok-it! 1200W 240V/32/P50 | 4052899245419 | 1200 | 240 | 300 | 29000 | 3200 | 25 |

| Product name | l [mm] | LCL a [mm] | | | | | |
|---------------------------|--------|------------|-----------|-----|---------|----|---|
| Lok-it! 1200W 80V/32/P50 | 129.5 | 84 | 14.7*14.5 | Any | PGJX 50 | 12 | 1 |
| Lok-it! 1200W 240V/32/P50 | 140 | 84 | 14.7*14.5 | Any | PGJX 50 | 12 | 1 |

 **Looking for a solution for smaller moving heads?**
See SIRIUS HRI® on page 25

Halogen lamps, medium/high voltage, single-ended

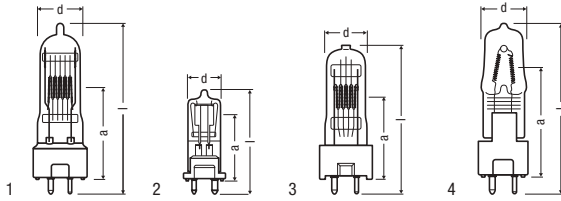


| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|---------------------|----------------|------|--------|------|-----|-------|-------|------|
| 64502 | 4052899080751 | | | 150 | 230 | 50 | 4000 | 3200 |
| 64502 | 4052899080775 | | | 150 | 240 | 50 | 4000 | 3200 |
| 64502C | 4052899363250 | | | 150 | 230 | 50 | 4000 | 3200 |
| 64502C | 4052899363236 | | | 150 | 240 | 50 | 4000 | 3200 |
| 64504 | 4052899101654 | | A1/249 | 150 | 230 | 25 | 5150 | 3200 |
| 64504 | 4052899101678 | | A1/249 | 150 | 240 | 25 | 4000 | 3200 |
| 64505 ¹⁾ | 4008321746078 | | | 200 | 230 | 25 | 5100 | 3200 |
| 64505 ¹⁾ | 4008321746092 | | | 200 | 240 | 25 | 5150 | 3200 |
| 64512 ¹⁾ | 4008321746115 | | | 300 | 120 | 15 | 9300 | 3350 |
| 64514 ¹⁾ | 4008321746139 | | CP/96 | 300 | 120 | 75 | 8100 | 3200 |
| 64515 ¹⁾ | 4008321746153 | | | 300 | 230 | 15 | 9600 | 3300 |
| 64515 ¹⁾ | 4008321746177 | | | 300 | 240 | 15 | 8900 | 3350 |
| 64516 ¹⁾ | 4008321746191 | | CP/97 | 300 | 230 | 75 | 7400 | 3150 |
| 64516 ¹⁾ | 4008321746214 | | CP/97 | 300 | 240 | 75 | 7300 | 3150 |
| 64540 | 4052899158221 | BVM | | 650 | 230 | 15 | 20000 | 3400 |
| 64540 | 4052899158245 | BVM | | 650 | 240 | 15 | 20000 | 3400 |
| 64575 | 4008321098856 | EGY | | 1000 | 230 | 15 | 33000 | 3400 |
| 64575 | 4008321098450 | EGY | | 1000 | 240 | 15 | 33000 | 3400 |
| 64576 | 4008321099860 | | | 1000 | 230 | 75 | 28000 | 3200 |

| Product name | Ø [mm] | LCL ã [mm] | l [mm] | Pinch | Color | Base | Beam | Life | Temp | No. |
|---------------------|--------|------------|--------|-----------|-------|--------|------|------|------|-----|
| 64502 | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 | 1 | |
| 64502 | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 | 1 | |
| 64502C | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 | 1 | |
| 64502C | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 | 1 | |
| 64504 | 18 | 40 | 62 | 9.6*12.5 | s90 | G6.35 | B | 20 | 2 | |
| 64504 | 18 | 40 | 62 | 9.6*12.5 | s90 | G6.35 | B | 20 | 2 | |
| 64505 ¹⁾ | 18.5 | 27 | 53 | 9.6*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64505 ¹⁾ | 18.5 | 27 | 53 | 9.5*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64512 ¹⁾ | 18.5 | 27 | 53 | 10.0*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64514 ¹⁾ | 18.5 | 27 | 53 | 10.0*12.5 | p90 | GX6.35 | B | 20 | 3 | |
| 64515 ¹⁾ | 18.5 | 27 | 53 | 9.8*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64515 ¹⁾ | 18.5 | 27 | 53 | 10.0*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64516 ¹⁾ | 18.5 | 27 | 53 | 9.8*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64516 ¹⁾ | 18.5 | 27 | 53 | 9.7*12.5 | s90 | GX6.35 | B | 20 | 3 | |
| 64540 | 24 | 28 | 57.5 | 14.0*15 | Any | GX6.35 | B | 12 | 4 | |
| 64540 | 24 | 28 | 57.5 | 14.0*15 | Any | GX6.35 | B | 12 | 4 | |
| 64575 | 24 | 38 | 67.5 | 14.0*14 | Any | GX6.35 | B | 12 | 4 | |
| 64575 | 24 | 38 | 67.5 | 14.0*14 | Any | GX6.35 | B | 12 | 4 | |
| 64576 | 24 | 45 | 67.5 | 14.0*14 | Any | GX6.35 | B | 12 | 4 | |

1) With quartz pinch technology

Halogen lamps, medium/high voltage, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|---------------------|----------------|------|------|-----|-----|-------|--------------------|------|
| 93591 ¹⁾ | 4050300481555 | FSY | | 400 | 240 | 75 | 8000 ³⁾ | 3200 |
| 93592 ¹⁾ | 4050300481531 | FSX | | 400 | 230 | 75 | 8000 ³⁾ | 3200 |
| 64662 | 4052899015449 | | | 300 | 230 | 2000 | 5000 | 2900 |
| 64662 | 4052899144248 | | M/38 | 300 | 240 | 2000 | 5000 | 2900 |
| 64672 | 4008321098559 | | | 500 | 230 | 2000 | 8500 | 2900 |
| 64672 | 4008321098535 | | | 500 | 240 | 2000 | 8500 | 2900 |
| 64686 | 4052899158269 | DYR | | 650 | 230 | 50 | 16500 | 3200 |
| 64686 | 4052899158283 | DYR | | 650 | 240 | 50 | 16500 | 3200 |

| Product name | ∅ [mm] | LCL [mm] | L [mm] | Base | Beam | Socket | Code | Code | No. |
|---------------------|--------|----------|--------|-----------------------|------|--------|------|------|-----|
| 93591 ¹⁾ | 20 | 36.5 | 77 | 10.7*12.2 | s90 | GY9.5 | C | 24 | 1 |
| 93592 ¹⁾ | 20 | 36.5 | 77 | 10.7*12.2 | s90 | GY9.5 | C | 24 | 1 |
| 64662 | 15 | 46.5 | 80 | 9.0*11 | Any | GY9.5 | D | 12 | 2 |
| 64662 | 17.5 | 46.5 | 80 | 9.0*11 | Any | GY9.5 | D | 12 | 2 |
| 64672 | 22 | 46.5 | 85 | 12.0*11 | Any | GY9.5 | D | 12 | 3 |
| 64672 | 22 | 46.5 | 85 | 12.0*11 | Any | GY9.5 | D | 12 | 3 |
| 64686 | 21 | 36.5 | 64 | 10.0*10 ²⁾ | Any | GY9.5 | B | 12 | 4 |
| 64686 | 21 | 36.5 | 64 | 10.0*10 ²⁾ | Any | GY9.5 | B | 12 | 4 |

1) Available on request
 2) With monoplane filament
 3) With internal reflector

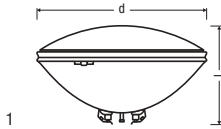
Product features

- Operation at mains voltage: 120 V, 230 V, 240 V
- Color temperature: 2,900 K, 3,000 K (with longer lifespan)
- Color temperature: 3,200 K (for professional film and TV work)
- Color temperature: 3,400 K (for maximum luminous efficacy)

Areas of application

- Professional film and TV work

PAR56



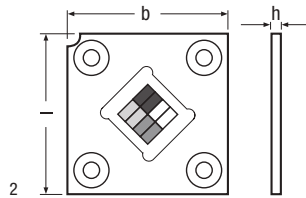
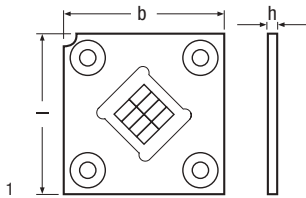
| Product name | Product number | W | V | t [h] | cd | Beam angle |
|--------------|----------------|-----|----|-------|-------|------------|
| PAR56 WFL | 4008321362209 | 300 | 12 | 1200 | 12000 | 38/20 |

| Product name | d [mm] | l [mm] | Beam angle | Beam diameter | Quantity | Light bulb No. |
|--------------|--------|--------|--------------------|---------------|----------|----------------|
| PAR56 WFL | 178 | 127 | hs30 ¹⁾ | not relevant | 6 | 1 |

1) Do not tilt perpendicular to the filament

See safety advice no. 6 on page 92

SplitStar® S32



| Product name | Product number | W | Current per channel (max.) [A] | K | cd/mm ² | lm | b [mm] | l [mm] | h [mm] |
|--------------------|----------------|-----|---|--|--------------------|---|--------|--------|--------|
| SplitStar S32 CW | 4052899388024 | 300 | 5 | 6200 | 140 ¹⁾ | 20000 ¹⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBW | 4052899522985 | 277 | red 4 green 5 blue 5 white 5 | red 638 nm true green 524 nm deep blue 446 nm white 6200K | 70 ¹⁾ | red 1450 ¹⁾³⁾ green 2825 ¹⁾³⁾ blue 2100 ¹⁾³⁾ white 5000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBA | tbd | 180 | converted amber 3 converted green 5 red 4 blue 5 | 2700–7000 | 70 ¹⁾ | 10000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |

| Product name | Number of channels | R _a | Temperature control | Thermal resistance R _{th} (module) [K/W] | Operating temperature [°C] | Viewing angle [°] | Emitting area [mm ²] | | No. |
|--------------------|--------------------|----------------|---------------------|---|----------------------------|-------------------|----------------------------------|----|-----|
| SplitStar S32 CW | 2 | 70 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 1 |
| SplitStar S32 RGBW | 4 | – | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |
| SplitStar S32 RGBA | 4 | ≤93 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |

1) Pulse mode operation @25°C
 2) NTC reading
 3) Not on Planckian locus
 4) NTC to backplane

Product features

- Up to 20,000 lm (CW)¹⁾
- Up to 140 cd/mm² (CW)¹⁾
- Scalable design
- LED chips are wired in series circuits
- Electrically insulated
- Tunable white color temperature with high CRI from 2,700 to 7,000 K
- Customized versions on request

Product benefits

- Cutting-edge performance enables new generation of LED fixtures with superior light output
- Very high luminance, perfect for beam and spot lights
- Chips can be driven with standard voltage and current levels 5 A max. (SELV)
- Module is electrically insulated and can be mounted directly onto heat sink

Areas of application

- Entertainment
- Architectural lighting
- Theater lighting
- Professional lighting

See safety advice no. 7 on page 92

More information about the focus product

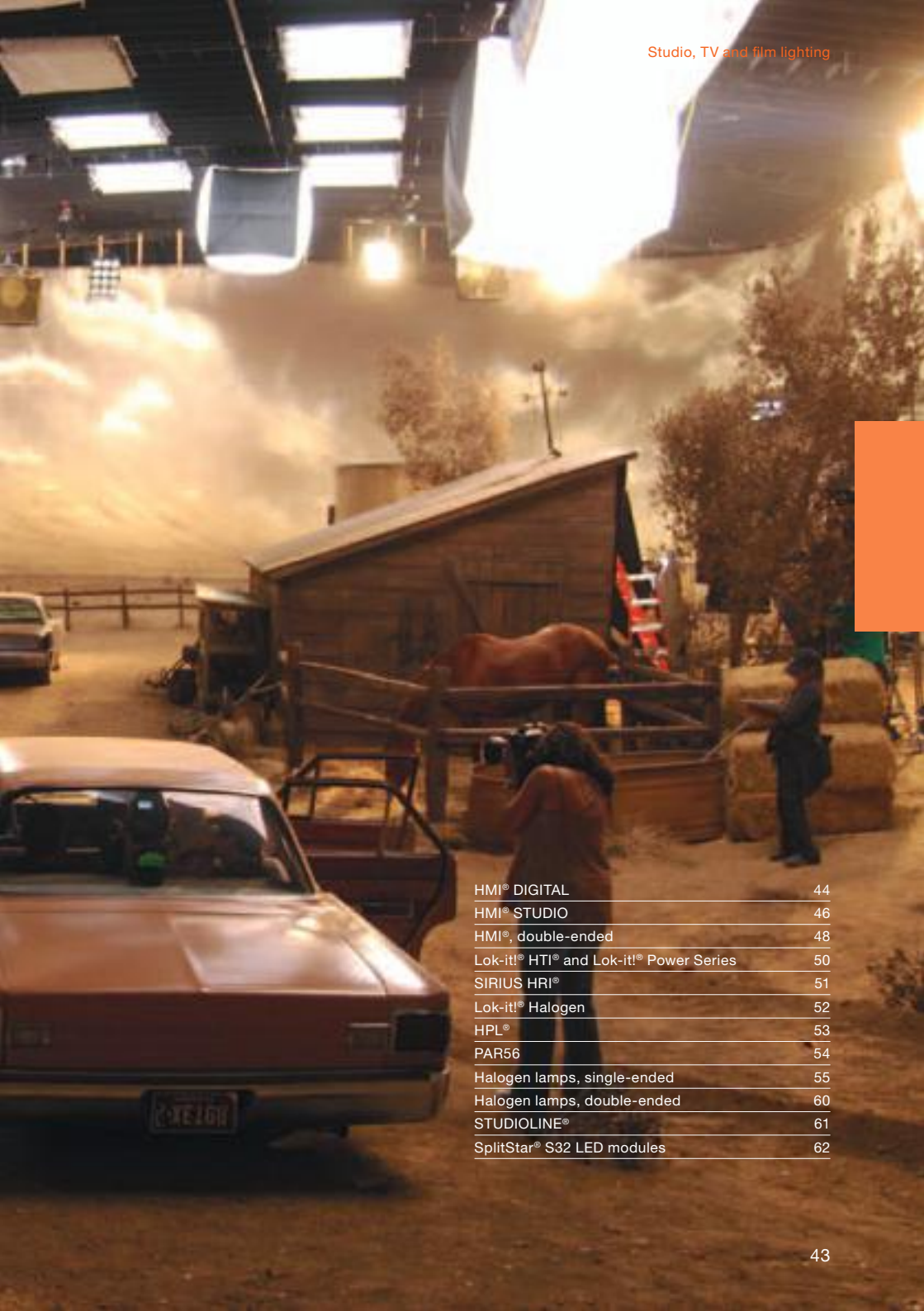
See SplitStar® S32 on pages 20/21



Bright lights for the silver screen

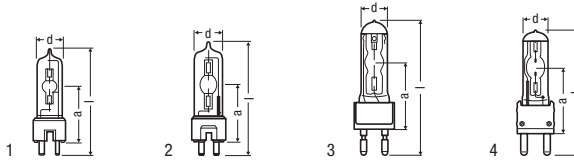
Studio, TV and film lighting

Just like the actors, the lighting has to perform to a high level. The most important factors in studio, TV and film lighting are first-class color rendering, a stable color temperature, maximum color fidelity and, of course, an overall performance worthy of an Oscar®.



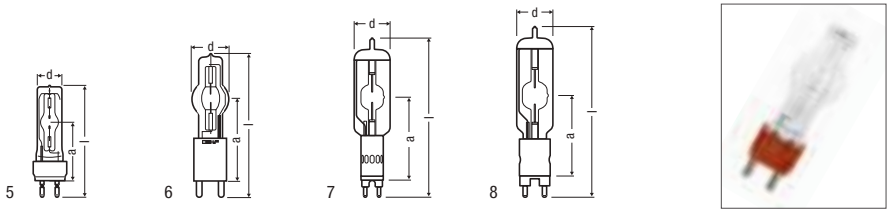
| | |
|---|----|
| HMI® DIGITAL | 44 |
| HMI® STUDIO | 46 |
| HMI®, double-ended | 48 |
| Lok-it!® HTI® and Lok-it!® Power Series | 50 |
| SIRIUS HRI® | 51 |
| Lok-it!® Halogen | 52 |
| HPL® | 53 |
| PAR56 | 54 |
| Halogen lamps, single-ended | 55 |
| Halogen lamps, double-ended | 60 |
| STUDIOLINE® | 61 |
| SplitStar® S32 LED modules | 62 |

HMI® DIGITAL



| Product name | Product number | W | V | A | t [h] | lm |
|----------------------------------|----------------|-------|-----|------|-------|---------|
| HMI DIGITAL 200W | 4052899984158 | 200 | 70 | 3.0 | 200 | 16000 |
| HMI DIGITAL 400W | 4052899984165 | 400 | 75 | 5.3 | 650 | 33000 |
| HMI DIGITAL 575W | 4052899984172 | 575 | 94 | 6.1 | 1000 | 49000 |
| HMI DIGITAL 800W | 4052899984189 | 800 | 95 | 8.4 | 1000 | 69000 |
| HMI DIGITAL 1200W | 4052899984196 | 1200 | 100 | 12.0 | 1000 | 110000 |
| HMI DIGITAL 1600W | 4052899152687 | 1600 | 140 | 10.7 | 750 | 145000 |
| HMI DIGITAL 1800W | 4052899984202 | 1800 | 140 | 13.0 | 750 | 165000 |
| HMI DIGITAL 2500W | 4052899984295 | 2500 | 115 | 25.6 | 500 | 240000 |
| HMI DIGITAL 4000W | 4052899984301 | 4000 | 200 | 24.0 | 500 | 380000 |
| HMI DIGITAL 6000W | 4052899984684 | 6000 | 123 | 55 | 500 | 600000 |
| HMI DIGITAL 9000W | 4052899984691 | 9000 | 160 | 56 | 400 | 875000 |
| HMI DIGITAL 12000W ¹⁾ | 4050300650418 | 12000 | 160 | 76 | 500 | 1150000 |
| HMI DIGITAL 18000W ¹⁾ | 4008321098955 | 18000 | 225 | 88 | 350 | 1600000 |

1) Without UVS



| Product name | K | d [mm] | l [mm] | LCL â [mm] | | | | No. |
|----------------------------------|------|--------|--------|---------------|-----|--------|----|-----|
| HMI DIGITAL 200W | 6000 | 20 | 80 | 39 | Any | GZY9.5 | 10 | 1 |
| HMI DIGITAL 400W | 6000 | 23 | 110 | 60 | Any | GZZ9.5 | 10 | 2 |
| HMI DIGITAL 575W | 6000 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI DIGITAL 800W | 6000 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI DIGITAL 1200W | 6000 | 40 | 200 | 107 | Any | G38 | 1 | 4 |
| HMI DIGITAL 1600W | 6000 | 40 | 162 | 85 | Any | G22 | 1 | 5 |
| HMI DIGITAL 1800W | 6000 | 40 | 200 | 107 | Any | G38 | 1 | 4 |
| HMI DIGITAL 2500W | 6000 | 60 | 225 | 127 | Any | G38 | 1 | 6 |
| HMI DIGITAL 4000W | 6000 | 75 | 250 | 142 | Any | G38 | 1 | 6 |
| HMI DIGITAL 6000W ¹⁾ | 6000 | 75 | 360 | 210 | Any | GX38 | 1 | 7 |
| HMI DIGITAL 9000W ¹⁾ | 6000 | 80 | 380 | 210 | Any | GX38 | 1 | 7 |
| HMI DIGITAL 12000W ²⁾ | 6000 | 100 | 455 | 255 | Any | GX38 | 1 | 7 |
| HMI DIGITAL 18000W ²⁾ | 6000 | 100 | 495 | 260 | Any | GX51 | 1 | 8 |

¹⁾ Currently without UVS

²⁾ Without UVS

Product features

- Most types with UV stop (UVS)
- Color temperature of 6,000 K
- High color rendering index of >90
- Extremely bright light: up to 100lm/w
- Dimmable

Product benefits

- Suited for both analog and digital film production
- Hot restart capability
- Improved stability and design
- Robust stems, resulting in less breakage during transport

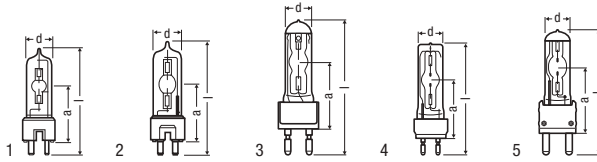
Areas of application

- Film sets
- Television studios
- Theater stages

See safety advice no. 4 on page 92

More information about the focus product
See HMI® DIGITAL on pages 10/11

HMI® STUDIO



| Product name | Product number | W | V | A | t [h] | lm |
|------------------|----------------|------|-----|------|-------|--------|
| HMI STUDIO 200W | 4052899984356 | 200 | 70 | 3.0 | 200 | 12800 |
| HMI STUDIO 400W | 4052899984370 | 400 | 70 | 6.9 | 650 | 26400 |
| HMI STUDIO 575W | 4052899984394 | 575 | 95 | 6.9 | 1000 | 39200 |
| HMI STUDIO 800W | 4052899984417 | 800 | 95 | 8.4 | 1000 | 52000 |
| HMI STUDIO 1200W | 4052899984448 | 1200 | 100 | 12.0 | 1000 | 88000 |
| HMI STUDIO 1800W | 4052899984462 | 1800 | 140 | 13.0 | 750 | 132000 |

| Product name | K | ø [mm] | l [mm] | LCL a [mm] | | | | No. |
|------------------|------|--------|--------|---------------|-----|--------|----|-----|
| HMI STUDIO 200W | 3200 | 20 | 80 | 39 | Any | GZY9.5 | 10 | 1 |
| HMI STUDIO 400W | 3200 | 23 | 110 | 60 | Any | GZZ9.5 | 10 | 2 |
| HMI STUDIO 575W | 3200 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI STUDIO 800W | 3200 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI STUDIO 1200W | 3200 | 42 | 200 | 107 | Any | G38 | 1 | 5 |
| HMI STUDIO 1800W | 3200 | 42 | 200 | 107 | Any | G38 | 1 | 5 |

Product features

- Color temperature of 3,200 K
- High CRI of more than 90
- UV stop (UVS)

Product benefits

- Twice as bright as tungsten halogen lamps with similar wattages
- Same lifespan as our HMI® lamps with 6,000 K color temperature
- Cost-effective alternative to managing and maintaining multiple tungsten halogen and metal halide lamps and fixtures
- Time savings associated with setting up fewer varieties of lamps, fixtures and CTO filters to light a set
- Plug-and-play solution for daylight fixtures

Areas of application

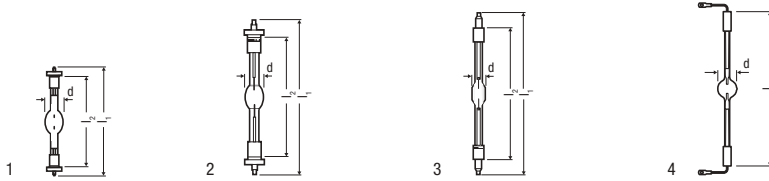
- Movie studios
- Film sets
- Theater stages

See safety advice no. 4 on page 92

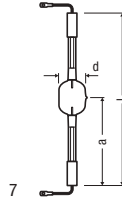
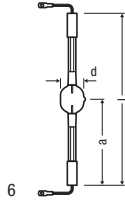
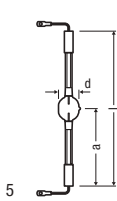
More information about the focus product
See HMI® STUDIO on pages 12/13










HMI®, double-ended



| Product name | Product number | W | V | A | t [h] | lm |
|-----------------|----------------|-------|-----|------|-------|---------|
| HMI 575 W/DXS | 4008321285102 | 575 | 95 | 7 | 1000 | 49000 |
| HMI 1200 W/DXS | 4008321931153 | 1200 | 100 | 13.8 | 1000 | 110000 |
| HMI 2500 W/S XS | 4050300025780 | 2500 | 115 | 25.6 | 500 | 240000 |
| HMI 2500 W/DXS | 4008321182197 | 2500 | 115 | 25.6 | 500 | 240000 |
| HMI 4000 W/DXS | 4008321210203 | 4000 | 200 | 24 | 500 | 380000 |
| HMI 6000 W/DXS | 4008321210210 | 6000 | 123 | 55 | 500 | 570000 |
| HMI 12000 W/DXS | 4008321210227 | 12000 | 160 | 84 | 500 | 1150000 |
| HMI 18000 W/DXS | 4008321370280 | 18000 | 225 | 86 | 500 | 1700000 |
| HMI 24000 W/DXS | 4008321355805 | 24000 | 280 | 88 | 500 | 2300000 |

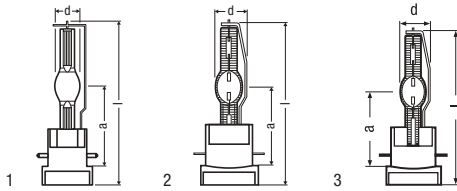


Product name

| |  d (mm) |  l ₁ max. (mm) |  l ₂ max. (mm) |  |  |  |  No. |
|-----------------|--|--|--|---|---|---|---|
| HMI 575 W/DXS | 21 | 135 | 115 | Any | SFc10-4 | 1 | 1 |
| HMI 1200 W/DXS | 27 | 220 | 180 | Any | SFc15.5 | 1 | 2 |
| HMI 2500 W/S XS | 31.5 | 210 | 150 | p30 | SFa21-12 | 1 | 3 |
| HMI 2500 W/DXS | 31.5 | 355 | 290 | p30 | SFa21 | 1 | 3 |
| HMI 4000 W/DXS | 36 | 405 | 340 | p15 | SFa21 | 1 | 3 |
| HMI 6000 W/DXS | 54 | 450 | | p15 | S25.5 | 1 | 4 |
| HMI 12000 W/DXS | 64 | 470 | | p15 | S30 | 1 | 5 |
| HMI 18000 W/DXS | 70 | 500 | | p15 | S30 | 1 | 6 |
| HMI 24000 W/DXS | 83 | 500 | | p15 | S30 | 1 | 7 |

See safety advice no. 4 on page 92

Lok-it!®



| Product name | Product number | W | V | A | t [h] | lm | K |
|-------------------------------|----------------|------|-----|------|-------|--------|------|
| Lok-it!® | | | | | | | |
| Lok-it! HTI 400 W/60/P28 | 4008321605481 | 400 | 67 | 6 | 750 | 30000 | 6000 |
| Lok-it! HTI 700 W/60/P28 | 4052899179790 | 700 | 60 | 11.6 | 750 | 50000 | 6000 |
| Lok-it! HTI 700 W/75/P28 | 4008321510549 | 700 | 100 | 11 | 750 | 50000 | 7500 |
| Lok-it! HTI 700 W/75/P50 | 4008321485205 | 700 | 100 | 10 | 750 | 50000 | 7500 |
| Lok-it! HTI 1500 W/60/P50 | 4008321553416 | 1500 | 100 | 15 | 750 | 135000 | 6000 |
| Lok-it! HTI 1500 W/60/P50 M3W | 4008321818997 | 1500 | 100 | 15 | 750 | 130000 | 6000 |

Lok-it!® Power Series

| | | | | | | | |
|---------------------------|---------------|------|----|------|-----|--------|------|
| Lok-it! 1000/PS | 4052899965157 | 1000 | 85 | 12 | 950 | 85000 | 6000 |
| Lok-it! 1000/PS Blue | 4052899965171 | 1000 | 71 | 14 | 750 | 70000 | 7500 |
| Lok-it! 1000/PS Brilliant | 4052899965164 | 1000 | 85 | 12 | 750 | 82000 | 5900 |
| Lok-it! 1400/PS Brilliant | 4052899965195 | 1400 | 90 | 15.5 | 750 | 120000 | 6000 |
| Lok-it! 1700/PS | 4052899965201 | 1700 | 85 | 20 | 750 | 135000 | 6000 |

Product name



Lok-it!®

| | | | | | | | | |
|-------------------------------|------|----|-----|----|-----|--------|---|---|
| Lok-it! HTI 400 W/60/P28 | > 85 | 17 | 103 | 56 | 3.4 | PGJX28 | 1 | 1 |
| Lok-it! HTI 700 W/60/P28 | > 85 | 18 | 112 | 56 | 4.1 | PGJX28 | 1 | 1 |
| Lok-it! HTI 700 W/75/P50 | 85 | 18 | 128 | 65 | 4 | PGJX28 | 1 | 2 |
| Lok-it! HTI 700 W/75/P28 | > 85 | 20 | 125 | 65 | 4 | PGJX28 | 1 | 1 |
| Lok-it! HTI 1500 W/60/P50 | > 85 | 26 | 128 | 65 | 5.8 | PGJX50 | 1 | 2 |
| Lok-it! HTI 1500 W/60/P50 M3W | > 85 | 26 | 128 | 65 | 5.8 | PGJX28 | 1 | 2 |

Lok-it!® Power Series

| | | | | | | | | |
|---------------------------|------|----|-----|----|-----|--------|---|---|
| Lok-it! 1000/PS | > 85 | 21 | 112 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1000/PS Blue | > 85 | 21 | 112 | 56 | 5.5 | PGJX28 | 1 | 3 |
| Lok-it! 1000/PS Brilliant | 95 | 21 | 112 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1400/PS Brilliant | 95 | 22 | 125 | 60 | 5.5 | PGJX28 | 1 | 3 |
| Lok-it! 1700/PS | 92 | 22 | 125 | 60 | 5.5 | PGJX28 | 1 | 3 |

Product features

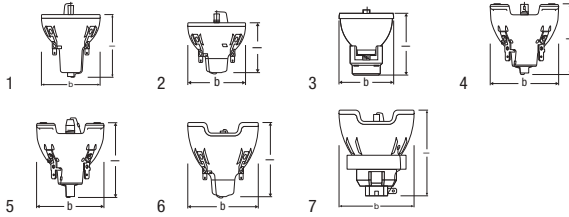
- eXtreme Seal technology for discharge lamps

Product benefits

- Rapid relamping with bayonet lock

See safety advice no. 1 on page 92

More information about the focus product
See Lok-it!® Power Series on pages 16/17

SIRIUS HRI®


| Product name | Product number | W | A | t[h] | lm | K |
|--------------------|----------------|-----|-----|------|-------|------|
| SIRIUS HRI 100W | 4052899329119 | 100 | 1.8 | 6000 | 3680 | 9000 |
| SIRIUS HRI 132W | 4052899028708 | 132 | 1.9 | 6000 | 5150 | 9200 |
| SIRIUS HRI 140W RO | 4052899258969 | 140 | 1.9 | 6000 | 5400 | 9200 |
| SIRIUS HRI 190W + | 4008321866592 | 190 | 2.7 | 3000 | 8100 | 8200 |
| SIRIUS HRI 230W | 4008321810311 | 230 | 3.3 | 2500 | 9500 | 8000 |
| SIRIUS HRI 280W | 4008321810342 | 280 | 4 | 2000 | 11500 | 7800 |
| SIRIUS HRI 280W RO | 4052899110397 | 280 | 4 | 2000 | 11500 | 7800 |
| SIRIUS HRI 330W | 4008321810373 | 330 | 5 | 1500 | 18000 | 7400 |
| SIRIUS HRI 330W XL | 4052899195431 | 330 | 5 | 1500 | 16500 | 7250 |
| SIRIUS HRI 330W X8 | 4052899140295 | 330 | 4.4 | 1500 | 18000 | 8000 |
| SIRIUS HRI 440W | 4052899259096 | 440 | 5.3 | 1500 | 22000 | 7000 |
| SIRIUS HRI 440W S | 4052899329140 | 440 | 5.3 | 1500 | 22800 | 7000 |

| Product name | R _a | b [mm] | l [mm] | | | | |
|--------------------|----------------|--------|--------|-----|-----|---|---|
| SIRIUS HRI 100W | 60 | 45 | 53 | Any | 1.0 | 1 | 1 |
| SIRIUS HRI 132W | 60 | 46 | 44 | Any | 1.0 | 1 | 2 |
| SIRIUS HRI 140W RO | 60 | 46 | 44 | Any | 1.0 | 1 | 2 |
| SIRIUS HRI 190W + | 73 | 51 | 54.5 | Any | 0.8 | 1 | 3 |
| SIRIUS HRI 230W | 75 | 51 | 54.5 | Any | 1.0 | 1 | 3 |
| SIRIUS HRI 280W | 78 | 51 | 54.5 | Any | 0.9 | 1 | 3 |
| SIRIUS HRI 280W RO | 78 | 51 | 54.5 | Any | 0.9 | 1 | 3 |
| SIRIUS HRI 330W | 86 | 56 | 63 | Any | 1.0 | 1 | 4 |
| SIRIUS HRI 330W XL | 71 | 56 | 63 | Any | 1.3 | 1 | 5 |
| SIRIUS HRI 330W X8 | 85 | 58 | 66 | Any | 1.2 | 1 | 6 |
| SIRIUS HRI 440W | 80 | 58 | 71 | Any | 1.3 | 1 | 7 |
| SIRIUS HRI 440W S | 80 | 58 | 71 | Any | 1.3 | 1 | 7 |

Product features

- High luminance through very short arc
- Bright light for brilliant light effects
- Long lifetime

Product benefits

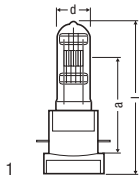
- Lightweight and compact reflector lamps with ECG
- Perfectly suited for small and lightweight moving heads
- Optimized burner design allows any burning position
- Easy lamp replacement
- Stable light output over the entire lifetime

See safety advice no. 1 on page 92

More information about the focus product

See SIRIUS HRI® on pages 18/19

Lok-it!®



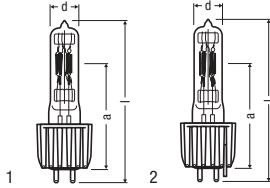
| Product name | Product number | W | V | t [h] | lm | K | d [mm] |
|---------------------------|----------------|------|-----|-------|-------|------|--------|
| Lok-it! 1200W 80V/32/P50 | 4008321382795 | 1200 | 80 | 250 | 37500 | 3200 | 25 |
| Lok-it! 1200W 240V/32/P50 | 4052899245419 | 1200 | 240 | 300 | 29000 | 3200 | 25 |

| Product name | l [mm] | LCL a [mm] | p-h | | | | No. |
|---------------------------|--------|------------|-----------|-----|---------|----|-----|
| Lok-it! 1200W 80V/32/P50 | 129.5 | 84 | 14.7*14.5 | Any | PGJX 50 | 12 | 1 |
| Lok-it! 1200W 240V/32/P50 | 140 | 84 | 14.7*14.5 | Any | PGJX 50 | 12 | 1 |



Looking for a solution for smaller moving heads?

See SIRIUS HRI® on page 51

HPL®


| Product name | Product number | W | V | t[h] | lm | K | d [mm] |
|---------------|----------------|-----|-----|------|-------|------|--------|
| HPL 575/230 | 4050300461816 | 575 | 230 | 400 | 14900 | 3200 | 19 |
| HPL 575/240 | 4050300461830 | 575 | 240 | 400 | 14900 | 3200 | 19 |
| HPL 575/230/X | 4008321090102 | 575 | 230 | 1500 | 11780 | 3050 | 19 |
| HPL 575/240/X | 4008321174444 | 575 | 240 | 1500 | 11780 | 3050 | 19 |
| HPL 750/230 | 4050300654201 | 750 | 230 | 300 | 19750 | 3200 | 19 |
| HPL 750/240 | 4050300654225 | 750 | 240 | 300 | 19750 | 3200 | 19 |
| HPL 750/230/X | 4008321090324 | 750 | 230 | 1500 | 15600 | 3050 | 19 |
| HPL 750/240/X | 4008321174468 | 750 | 240 | 1500 | 15600 | 3050 | 19 |

| Product name | l [mm] | LCL [mm] | p [mm] | a [mm] | s [mm] | No. | |
|---------------|--------|----------|------------------------|--------|--------|-----|---|
| HPL 575/230 | 104 | 60.3 | 9.5*11.5 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 575/240 | 104 | 60.3 | 9.5*11.5 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 575/230/X | 104 | 60.3 | 14.5*11 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 575/240/X | 104 | 60.3 | 14.0*14 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 750/230 | 101 | 60.3 | 7.5*11.5 ¹⁾ | Any | 2 pins | 12 | 2 |
| HPL 750/240 | 101 | 60.3 | 7.5*11.5 ¹⁾ | Any | 2 pins | 12 | 2 |
| HPL 750/230/X | 104 | 60.3 | 15.5*11 ¹⁾ | Any | 2 pins | 12 | 2 |
| HPL 750/240/X | 101 | 60.3 | 15.5*11 ¹⁾ | Any | 2 pins | 12 | 2 |

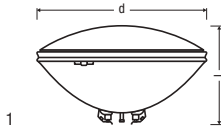
1) Type of filament 6-C8

Product benefits

- High-performance lamps
- Optimum use of the generated light in the spotlight

See safety advice no. 5 on page 92

PAR56



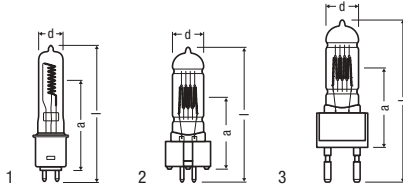
| Product name | Product number | W | V | t [h] | cd | |
|--------------|----------------|-----|----|-------|-------|-------|
| PAR56 WFL | 4008321362209 | 300 | 12 | 1200 | 12000 | 38/20 |

| Product name | d [mm] | l [mm] | | | | No. |
|--------------|--------|--------|--------------------|--------------|---|-----|
| PAR56 WFL | 178 | 127 | hs30 ¹⁾ | not relevant | 6 | 1 |

1) Do not tilt perpendicular to the filament

See safety advice no. 6 on page 92

Halogen lamps, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|--------------|----------------|------|-------|------|-----|-------|-------|------|
| 64743 | 4008321225702 | FEL | | 1000 | 120 | 300 | 27500 | 3200 |
| 64744 | 4008321554833 | FWP | T/19 | 1000 | 230 | 750 | 20500 | 3000 |
| 64744 | 4008321554857 | FWP | T/19 | 1000 | 240 | 750 | 20500 | 3000 |
| 64745 | 4008321468611 | FVA | CP/70 | 1000 | 230 | 200 | 26000 | 3200 |
| 64745 | 4008321468659 | FVA | CP/70 | 1000 | 240 | 200 | 26000 | 3200 |
| 64747 | 4008321468635 | FKJ | CP/71 | 1000 | 230 | 200 | 26000 | 3200 |
| 64747 | 4008321468741 | FKJ | CP/71 | 1000 | 240 | 200 | 26000 | 3200 |
| 93734 | 4050300350073 | FEP | CP/77 | 1000 | 240 | 300 | 23000 | 3200 |

| Product name | d [mm] | l [mm] | LCL a [mm] | W | V | Base | Beam | Mounting | No. |
|--------------|--------|--------|---------------|-----------|-----|--------|------|----------|-----|
| 64743 | 20 | 101 | 60.3 | 11.4*24.4 | Any | G9.5 | 12 | 1 | |
| 64744 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 | |
| 64744 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 | |
| 64745 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 | |
| 64745 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 | |
| 64747 | 26 | 140 | 63.5 | 13.0*15.0 | s90 | G22 | 20 | 3 | |
| 64747 | 26 | 140 | 63.5 | 13.0*15.0 | s90 | G22 | 20 | 3 | |
| 93734 | 20 | 102 | 60.3 | 5.7*27.0 | Any | 2 pins | 12 | 1 | |

Product features

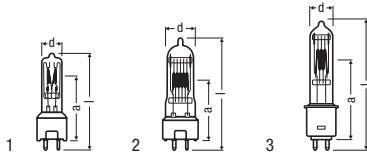
- Operation at mains voltage: 120V, 230V, 240V
- Color temperature: 3,000K (with longer lifespan)
- Color temperature: 3,200K (for professional film and TV work)

See safety advice no. 5 on page 92

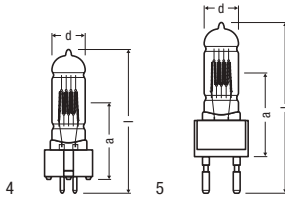
Areas of application









- Professional film and TV work
- Theater and concert stages
- Entertainment

Halogen lamps, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|--------------|----------------|------|--------|-----|-----|-------|-------|------|
| 64673 | 4052899015463 | FSL | CP/81 | 300 | 230 | 200 | 7500 | 3100 |
| 64673 | 4052899015487 | FSK | CP/81 | 300 | 240 | 200 | 7500 | 3100 |
| 64670 | 4008321624017 | GCV | T/25 | 500 | 230 | 300 | 11000 | 3000 |
| 64670 | 4008321624031 | GCV | T/25 | 500 | 240 | 300 | 11000 | 3000 |
| 64674 | 4052899015500 | FRH | CP/82 | 500 | 230 | 200 | 13500 | 3200 |
| 64674 | 4052899015524 | FRJ | CP/82 | 500 | 240 | 200 | 13500 | 3200 |
| 64680 | 4008321098573 | | A1/244 | 500 | 230 | 50 | 14500 | 3200 |
| 64680 | 4008321098597 | | A1/244 | 500 | 240 | 50 | 14500 | 3200 |
| 64716 | 4008321623973 | GKV | | 600 | 230 | 250 | 14000 | 3050 |
| 64716 | 4008321623997 | GKV | | 600 | 240 | 250 | 14000 | 3050 |
| 64717 | 4008321624215 | FRL | CP/89 | 650 | 230 | 150 | 16250 | 3200 |
| 64717 | 4008321624239 | FRM | CP/89 | 650 | 240 | 150 | 16250 | 3200 |
| 64718 | 4008321624253 | GCT | T/27 | 650 | 230 | 400 | 14500 | 3000 |
| 64718 | 4008321624277 | GCT | T/27 | 650 | 240 | 400 | 14500 | 3000 |
| 64719 | 4008321638076 | | T/12 | 650 | 230 | 750 | 12000 | 3000 |
| 64720 | 4008321638090 | | CP/23 | 650 | 230 | 100 | 16800 | 3200 |
| 64721 | 4008321638113 | FKH | CP/39 | 650 | 230 | 100 | 16800 | 3200 |
| 64678 | 4008321624055 | | | 800 | 230 | 250 | 20000 | 3200 |



| Product name |  d [mm] |  l [mm] |  LCL a [mm] |  |  |  |  |  No. |
|--------------|--|--|---|---|---|---|---|---|
| 64673 | 18 | 80 | 46.5 | 6.5*13 | Any | GY9.5 | 12 | 1 |
| 64673 | 18 | 80 | 46.5 | 6.5*13 | Any | GY9.5 | 12 | 1 |
| 64670 | 23 | 90 | 46.5 | 11.0*11.0 | s90 | GY9.5 | 12 | 2 |
| 64670 | 23 | 90 | 46.5 | 11.0*11.0 | s90 | GY9.5 | 12 | 2 |
| 64674 | 18 | 80 | 46.5 | 8.0*18 | Any | GY9.5 | 12 | 1 |
| 64674 | 18 | 80 | 46.5 | 8.0*18 | Any | GY9.5 | 12 | 1 |
| 64680 | 22 | 75 | 36.5 | 10.0*10.0 ¹⁾ | Any | GY9.5 | 12 | 2 |
| 64680 | 22 | 75 | 36.5 | 10.0*10.0 ¹⁾ | Any | GY9.5 | 12 | 2 |
| 64716 | 19 | 101 | 60.5 | 9.0*13.0 | s90 | G9.5 | 12 | 3 |
| 64716 | 19 | 101 | 60.5 | 9.0*13.0 | s90 | G9.5 | 12 | 3 |
| 64717 | 23 | 90 | 46.5 | 26.0*33.0 | s90 | GY9.5 | 12 | 2 |
| 64717 | 23 | 90 | 46.5 | 26.0*33.0 | s90 | GY9.5 | 12 | 2 |
| 64718 | 23 | 90 | 46.5 | 10.0*10.0 | s90 | GY9.5 | 12 | 2 |
| 64718 | 23 | 90 | 46.5 | 10.0*10.0 | s90 | GY9.5 | 12 | 2 |
| 64719 | 26 | 110 | 55 | 13.0*11.0 | s90 | GX9.5 | 20 | 4 |
| 64720 | 26 | 110 | 55 | 13.0*17.0 ¹⁾ | s90 | GX9.5 | 20 | 4 |
| 64721 | 26 | 140 | 63.5 | 13.0*17.0 ¹⁾ | s90 | G22 | 20 | 5 |
| 64678 | 19 | 101 | 60.5 | 9.0*13.0 | s90 | G9.5 | 12 | 3 |

1) With monoplane filament

Product features

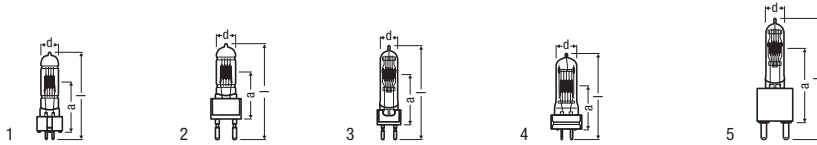
- Operation at mains voltage: 230V, 240V
- Color temperature: 3,000K (with longer lifespan)
- Color temperature: 3,200K (for professional film and TV work)

Areas of application

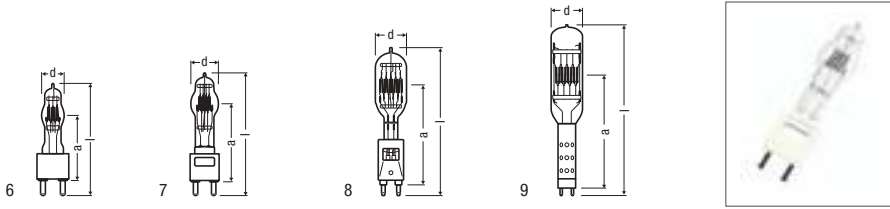
- Professional film and TV work
- Theater and concert stages
- Entertainment

See safety advice no. 5 on page 92

Halogen lamps, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|--------------|----------------|------|--------|-------|-----|-------|--------|------|
| 64752 | 4008321624475 | FWS | T/29 | 1200 | 230 | 400 | 28600 | 3000 |
| 64752 | 4008321624499 | FWS | T/29 | 1200 | 240 | 400 | 28600 | 3000 |
| 64754 | 4008321624529 | | CP/90 | 1200 | 230 | 200 | 30000 | 3200 |
| 64756 | 4008321624550 | | CP/93 | 1200 | 230 | 200 | 30000 | 3200 |
| 93723 | 4008321370594 | | CP/110 | 1200 | 80 | 300 | 37500 | 3200 |
| 64777 | 4008321632197 | | CP/92 | 2000 | 230 | 400 | 52000 | 3200 |
| 64787 | 4008321653994 | | CP/75 | 2000 | 230 | 400 | 52000 | 3200 |
| 64788 | 4008321632173 | FTM | CP/72 | 2000 | 230 | 400 | 52000 | 3200 |
| 64788 | 4008321632180 | FTM | CP/72 | 2000 | 240 | 400 | 52000 | 3200 |
| 64789 | 4008321654021 | FKK | CP/73 | 2000 | 230 | 400 | 52000 | 3200 |
| 64789 | 4008321654038 | FKK | CP/73 | 2000 | 240 | 400 | 52000 | 3200 |
| 64796 | 4008321653987 | | CP/91 | 2500 | 230 | 400 | 65000 | 3200 |
| 64797 | 4052899129542 | | | 3000 | 230 | 400 | 82000 | 3200 |
| 64805 | 4052899129580 | | CP/85 | 5000 | 120 | 400 | 135000 | 3200 |
| 64805 | 4052899129566 | | CP/85 | 5000 | 230 | 400 | 135000 | 3200 |
| 64805 | 4052899129573 | | CP/85 | 5000 | 240 | 400 | 135000 | 3200 |
| 64815 | 4050300780696 | ECR | CP/83 | 10000 | 230 | 350 | 285000 | 3200 |
| 64818 | 4008321792051 | BCM | CP/99 | 20000 | 230 | 350 | 580000 | 3200 |



| Product name | d [mm] | l [mm] | LCL a [mm] | | | | | No. |
|--------------|--------|--------|------------|-----------|------|--------|----|-----|
| 64752 | 27 | 125 | 67 | 13.0*15.0 | s90 | GX9.5 | 20 | 1 |
| 64752 | 27 | 125 | 67 | 13.0*15.0 | s90 | GX9.5 | 20 | 1 |
| 64754 | 27 | 125 | 67 | 13.0*15.0 | s90 | GX9.5 | 20 | 1 |
| 64756 | 26 | 140 | 63.5 | 13.0*15.0 | s90 | G22 | 20 | 2 |
| 93723 | 22 | 120.7 | 63.5 | 12.7*12.7 | s135 | 2 pins | 12 | 3 |
| 64777 | 35 | 175 | 90 | 20.0*19.0 | s90 | G22 | 12 | 3 |
| 64787 | 35 | 160 | 75 | 20.0*19.0 | s90 | G22 | 12 | 3 |
| 64788 | 35 | 145 | 70 | 20.0*19.0 | s90 | GY16 | 12 | 4 |
| 64788 | 35 | 145 | 70 | 20.0*19.0 | s90 | GY16 | 12 | 4 |
| 64789 | 35 | 210 | 127 | 20.0*19.0 | s90 | G38 | 6 | 5 |
| 64789 | 35 | 210 | 127 | 20.0*19.0 | s90 | G38 | 6 | 5 |
| 64796 | 35 | 175 | 90 | 20.0*19.0 | s90 | G22 | 12 | 3 |
| 64797 | 45 | 210 | 127 | 33.0*35.0 | s90 | G38 | 6 | 6 |
| 64805 | 60 | 279.4 | 165 | 26.0*33.0 | s90 | G38 | 6 | 7 |
| 64805 | 60 | 279 | 165 | 26.0*33.0 | s90 | G38 | 6 | 7 |
| 64805 | 61 | 279 | 165 | 26.0*33.0 | s90 | G38 | 6 | 7 |
| 64815 | 80 | 400 | 254 | 60.0*35.0 | s45 | G38 | 6 | 8 |
| 64818 | 100 | 550 | 354 | 67.0*50.0 | s45 | G38 | 4 | 9 |

Product features

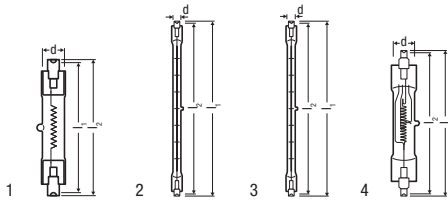
- Operation at mains voltage: 80V, 120V, 230V, 240V
- Color temperature: 3,000K (with longer lifespan)
- Color temperature: 3,200K (for professional film and TV work)

See safety advice no. 5 on page 92

Areas of application

- Professional film and TV work
- Theater and concert stages
- Entertainment

Halogen lamps, double-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | Im |
|--------------|----------------|------|-------|------|-----------|-------|-------|
| 64571 | 4050300014180 | DXX | P2/13 | 800 | 230 | 75 | 21000 |
| 64571 | 4050300283388 | DXX | P2/13 | 800 | 240...250 | 75 | 21000 |
| 64572 | 4008321325181 | | P2/35 | 1000 | 230 | 150 | 25000 |
| 64579 | 4050300014104 | FDG | | 1000 | 115...120 | 15 | 33000 |
| 64580 | 4050300006888 | | P1/12 | 1000 | 230 | 15 | 35000 |
| 64580 | 4050300283173 | | P1/12 | 1000 | 240 | 15 | 35000 |
| 64583 | 4050300249094 | | P2/20 | 1000 | 230 | 300 | 27000 |
| 64583 | 4050300411477 | | P2/20 | 1000 | 240 | 300 | 27000 |
| 64741 | 4050300209333 | EKM | P2/7 | 1000 | 230 | 200 | 25000 |
| 64741 | 4050300283197 | EKM | P2/7 | 1000 | 240 | 200 | 25000 |
| 64751 | 4050300214641 | | P2/12 | 1250 | 230 | 200 | 33500 |
| 64751 | 4050300283357 | | P2/12 | 1250 | 240 | 200 | 33500 |
| 64781 | 4050300229997 | FEX | P2/27 | 2000 | 230 | 300 | 50000 |
| 64781 | 4050300283500 | FEX | P2/27 | 2000 | 240 | 300 | 50000 |

| Product name | K | d [mm] | h1 [mm] | h2 [mm] | | | | |
|--------------|------|--------|---------|---------|--------------------------|------|----|---|
| 64571 | 3200 | 17 | 75 | 78 | Horizontal ¹⁾ | R7s | 50 | 1 |
| 64571 | 3200 | 17 | 75 | 78 | Horizontal ¹⁾ | R7s | 50 | 1 |
| 64572 | 3200 | 18 | 94 | 88 | Any | R7s | 50 | 1 |
| 64579 | 3200 | 12 | 122 | 122 | p15 ¹⁾ | R7s | 12 | 2 |
| 64580 | 3400 | 12 | 127 | 122 | p15 | R7s | 12 | 2 |
| 64580 | 3400 | 12 | 127 | 122 | p15 | R7s | 12 | 2 |
| 64583 | 3200 | 10 | 114 | 114 | Any | R7s | 12 | 2 |
| 64583 | 3200 | 12 | 114 | 114 | Any | R7s | 12 | 2 |
| 64741 | 3200 | 12 | 186 | 186 | s180 | R7s | 12 | 3 |
| 64741 | 3200 | 12 | 186 | 186 | s180 | R7s | 12 | 3 |
| 64751 | 3200 | 12 | 186 | 186 | p15 | R7s | 12 | 3 |
| 64751 | 3200 | 12 | 186 | 186 | p15 | R7s | 12 | 3 |
| 64781 | 3200 | 30 | 138 | 139 | p15 | RX7s | 12 | 4 |
| 64781 | 3200 | 30 | 138 | 139 | p15 | RX7s | 12 | 4 |

¹⁾ Burning position preferably horizontal, vertical possible for a short time

Product features

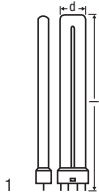
- Operation at mains voltage: 120V, 230V, 240V
- Color temperature: 3,200K (for professional film and TV work)
- Color temperature: 3,400K (for maximum luminous efficacy)







Areas of application

- Professional film and TV work
- Theater and concert stages

See safety advice no. 5 on page 92

STUDIOLINE®



| Product name | Product number | W |  d [mm] |  l [mm] |  t [h] | lm | K |  |  |  No. |
|------------------------|----------------|----|--|--|---|------|------|---|---|---|
| STUDIOLINE 55 W/3200 K | 4050300575292 | 55 | 535 | 18 | 8000 ¹⁾ | 3800 | 3200 | 2G11 | 10 | 1 |
| STUDIOLINE 55 W/5600 K | 4050300575278 | 55 | 535 | 18 | 8000 ¹⁾ | 3800 | 5600 | 2G11 | 10 | 1 |

¹⁾ Failure rate 2% the first 8,000h; this statement must be restricted only to attributable lamp faults

Product features

- Special phosphor combination

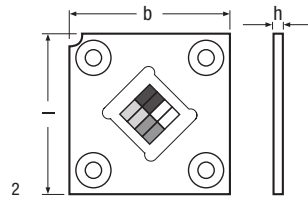
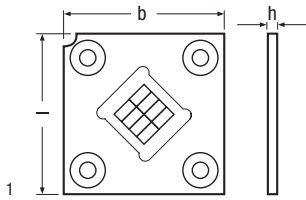
Product benefits

- Can be used with halogen or HMI® lamps without any problems

Areas of application

- Film shooting
- Matched to use with electronic cameras

SplitStar® S32



| Product name | Product number | W | Current per channel (max.) [A] | K | cd/mm ² | Im | b [mm] | l [mm] | h [mm] |
|--------------------|----------------|-----|---|--|--------------------|---|--------|--------|--------|
| SplitStar S32 CW | 4052899388024 | 300 | 5 | 6200 | 140 ¹⁾ | 20000 ¹⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBW | 4052899522985 | 277 | red 4 green 5 blue 5 white 5 | red 638 nm true green 524 nm deep blue 446 nm white 6200K | 70 ¹⁾ | red 1450 ¹⁾³⁾ green 2825 ¹⁾³⁾ blue 2100 ¹⁾³⁾ white 5000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBA | tbd | 180 | converted amber 3 converted green 5 red 4 blue 5 | 2700–7000 | 70 ¹⁾ | 10000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |

| Product name | Number of channels | R _a | Temperature control | Thermal resistance R _{th} (module) [K/W] | Operating temperature [°C] | Viewing angle [°] | Emitting area [mm ²] | | No. |
|--------------------|--------------------|----------------|---------------------|---|----------------------------|-------------------|----------------------------------|----|-----|
| SplitStar S32 CW | 2 | 70 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 1 |
| SplitStar S32 RGBW | 4 | – | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |
| SplitStar S32 RGBA | 4 | ≤93 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |

1) Pulse mode operation
2) NTC reading
3) Not Planckian locus
4) NTC to backplane

Product features

- Up to 20,000 lm (CW)¹⁾
- Up to 140 cd/mm² (CW)¹⁾
- Scalable design
- LED chips are wired in series circuits
- Electrically insulated
- Tunable white color temperature with high CRI from 2,700 to 7,000 K
- Customized versions on request

Product benefits

- Cutting-edge performance enables new generation of LED fixtures with superior light output
- Very high luminance, perfect for beam and spot lights
- Chips can be driven with standard voltage and current levels 5 A max. (SELV)
- Module is electrically insulated and can be mounted directly onto heat sink

Areas of application

- Entertainment
- Architectural lighting
- Theater lighting
- Professional lighting

See safety advice no. 7 on page 92

More information about the focus product

See SplitStar® S32 on pages 20/21



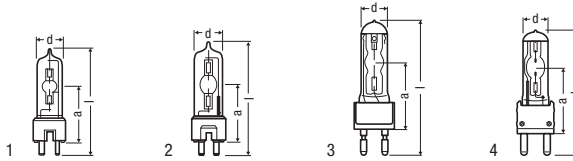
Standing ovations guaranteed!

Stage and theater lighting

Light is the essential requisite for the perfect stage performance. All over the world, OSRAM helps to show actors, ballet dancers and other artists in their best light – with stable color temperatures, high luminance and outstanding luminous efficacies.

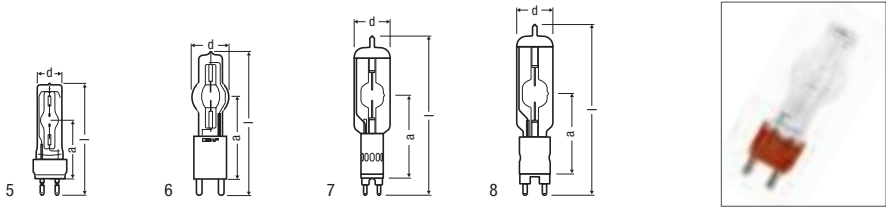
| | |
|---|----|
| HMI® DIGITAL | 66 |
| HMI® STUDIO | 68 |
| HMI®, double-ended | 70 |
| Lok-it!® HTI® and Lok-it!® Power Series | 72 |
| HPL® | 73 |
| QXL | 74 |
| Halogen lamps, single-ended | 75 |
| Halogen lamps, double-ended | 80 |
| Halogen lamps, medium/high voltage, single-ended | 81 |
| PAR56 | 83 |
| STUDIOLINE® | 84 |
| SplitStar® S32 LED modules | 85 |

HMI® DIGITAL



| Product name | Product number | W | V | A | t [h] | lm |
|----------------------------------|----------------|-------|-----|------|-------|---------|
| HMI DIGITAL 200W | 4052899984158 | 200 | 70 | 3.0 | 200 | 16000 |
| HMI DIGITAL 400W | 4052899984165 | 400 | 70 | 6.9 | 650 | 33000 |
| HMI DIGITAL 575W | 4052899984172 | 575 | 95 | 6.9 | 1000 | 49000 |
| HMI DIGITAL 800W | 4052899984189 | 800 | 95 | 8.4 | 1000 | 65000 |
| HMI DIGITAL 1200W | 4052899984196 | 1200 | 100 | 13.8 | 1000 | 110000 |
| HMI DIGITAL 1600W | 4052899152687 | 1600 | 140 | 10.7 | 750 | 150000 |
| HMI DIGITAL 1800W | 4052899984202 | 1800 | 140 | 13.0 | 750 | 165000 |
| HMI DIGITAL 2500W | 4052899984295 | 2500 | 115 | 25.6 | 500 | 240000 |
| HMI DIGITAL 4000W | 4052899984301 | 4000 | 200 | 24.0 | 500 | 380000 |
| HMI DIGITAL 6000W ¹⁾ | 4052899152670 | 6000 | 123 | 55 | 500 | 600000 |
| HMI DIGITAL 9000W ¹⁾ | 4052899152694 | 9000 | 160 | 56 | 400 | 875000 |
| HMI DIGITAL 12000W ²⁾ | 4050300650418 | 12000 | 160 | 75 | 500 | 1150000 |
| HMI DIGITAL 18000W ²⁾ | 4008321098955 | 18000 | 225 | 88 | 350 | 1600000 |

1) Currently without UVS
2) Without UVS


Product name

| | K | d [mm] | l [mm] | LCL ā [mm] | | | | No. |
|----------------------------------|------|--------|--------|---------------|-----|--------|----|-----|
| HMI DIGITAL 200W | 6000 | 20 | 80 | 39 | Any | GZY9.5 | 10 | 1 |
| HMI DIGITAL 400W | 6000 | 23 | 110 | 60 | Any | GZZ9.5 | 10 | 2 |
| HMI DIGITAL 575W | 6000 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI DIGITAL 800W | 6000 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI DIGITAL 1200W | 6000 | 42 | 200 | 107 | Any | G38 | 1 | 4 |
| HMI DIGITAL 1600W | 6000 | 38 | 175 | 85 | Any | G22 | 1 | 5 |
| HMI DIGITAL 1800W | 6000 | 42 | 200 | 107 | Any | G38 | 1 | 4 |
| HMI DIGITAL 2500W | 6000 | 60 | 225 | 127 | Any | G38 | 1 | 6 |
| HMI DIGITAL 4000W | 6000 | 75 | 250 | 142 | Any | GX38 | 1 | 6 |
| HMI DIGITAL 6000W ¹⁾ | 6000 | 75 | 360 | 210 | Any | GX38 | 1 | 7 |
| HMI DIGITAL 9000W ¹⁾ | 6000 | 80 | 380 | 210 | Any | GX38 | 1 | 7 |
| HMI DIGITAL 12000W ²⁾ | 6000 | 100 | 455 | 255 | Any | GX38 | 1 | 7 |
| HMI DIGITAL 18000W ²⁾ | 6000 | 100 | 495 | 260 | Any | GX51 | 1 | 8 |

1) Currently without UVS

2) Without UVS

Product features

- Most types with UV stop (UVS)
- Color temperature of 6,000K
- High color rendering index of >90
- Extremely bright light: up to 100lm/w
- Dimmable

Product benefits

- Suited for both analog and digital film production
- Hot restart capability
- Improved stability and design
- Robust stems, resulting in less breakage during transport

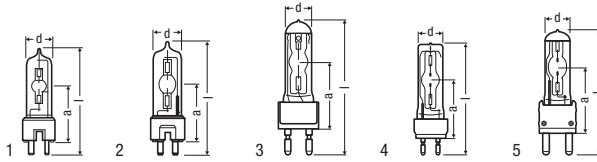
Areas of application

- Theater stages
- Film sets
- Television studios

See safety advice no. 4 on page 92
More information about the focus product

See HMI® DIGITAL on pages 10/11

HMI® STUDIO



| Product name | Product number | W | V | A | t [h] | lm |
|------------------|----------------|------|-----|------|-------|--------|
| HMI STUDIO 200W | 4052899984356 | 200 | 70 | 3.0 | 200 | 12800 |
| HMI STUDIO 400W | 4052899984370 | 400 | 70 | 6.9 | 650 | 26400 |
| HMI STUDIO 575W | 4052899984394 | 575 | 95 | 6.9 | 1000 | 39200 |
| HMI STUDIO 800W | 4052899984417 | 800 | 95 | 8.4 | 1000 | 52000 |
| HMI STUDIO 1200W | 4052899984448 | 1200 | 100 | 13.8 | 1000 | 88000 |
| HMI STUDIO 1800W | 4052899984462 | 1800 | 140 | 13.0 | 750 | 132000 |

| Product name | K | e [mm] | l [mm] | LCL a [mm] | | | | No. |
|------------------|------|--------|--------|------------|-----|--------|----|-----|
| HMI STUDIO 200W | 3200 | 20 | 80 | 39 | Any | GZY9.5 | 10 | 1 |
| HMI STUDIO 400W | 3200 | 23 | 110 | 60 | Any | GZZ9.5 | 10 | 2 |
| HMI STUDIO 575W | 3200 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI STUDIO 800W | 3200 | 30 | 145 | 70 | Any | G22 | 10 | 3 |
| HMI STUDIO 1200W | 3200 | 42 | 200 | 107 | Any | G38 | 1 | 5 |
| HMI STUDIO 1800W | 3200 | 42 | 200 | 107 | Any | G38 | 1 | 5 |

Product features

- Color temperature of 3,200 K
- High CRI of more than 90
- UV stop (UVS)

Product benefits

- Twice as bright as tungsten halogen lamps with similar wattages
- Same lifespan as our HMI® lamps with 6,000 K color temperature
- Cost-effective alternative to managing and maintaining multiple tungsten halogen and metal halide lamps and fixtures
- Time savings associated with setting up fewer varieties of lamps, fixtures and CTO filters
- Plug-and-play solution for daylight fixtures

Areas of application

- Theater stages
- Movie studios
- Film sets

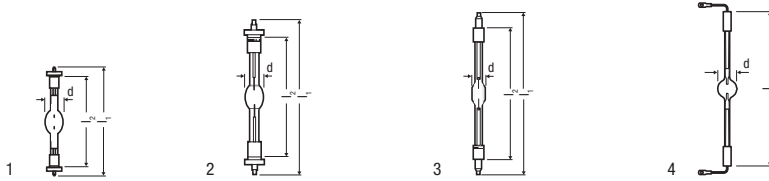
See safety advice no. 4 on page 92

More information about the focus product

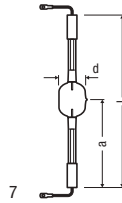
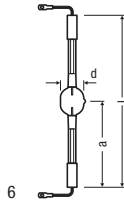
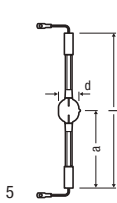
See HMI® STUDIO on pages 12/13










HMI®, double-ended



| Product name | Product number | W | V | A | t [h] | lm |
|-----------------|----------------|-------|-----|------|-------|---------|
| HMI 575 W/DXS | 4008321285102 | 575 | 95 | 7 | 1000 | 49000 |
| HMI 1200 W/DXS | 4008321931153 | 1200 | 100 | 13.8 | 1000 | 110000 |
| HMI 2500 W/S XS | 4050300025780 | 2500 | 115 | 25.6 | 500 | 240000 |
| HMI 2500 W/DXS | 4008321182197 | 2500 | 115 | 25.6 | 500 | 240000 |
| HMI 4000 W/DXS | 4008321210203 | 4000 | 200 | 24 | 500 | 380000 |
| HMI 6000 W/DXS | 4008321210210 | 6000 | 123 | 55 | 500 | 570000 |
| HMI 12000 W/DXS | 4008321210227 | 12000 | 160 | 84 | 500 | 1150000 |
| HMI 18000 W/DXS | 4008321370280 | 18000 | 225 | 86 | 500 | 1700000 |
| HMI 24000 W/DXS | 4008321355805 | 24000 | 280 | 88 | 500 | 2300000 |

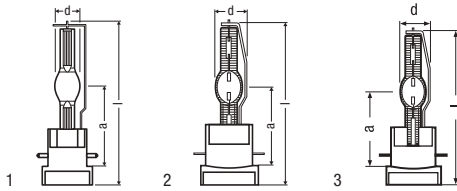


Product name

| |  |  |  |  |  |  |  |
|-----------------|---|---|---|---|---|---|---|
| HMI 575 W/DXS | 21 | 135 | 115 | Any | SFc10-4 | 1 | 1 |
| HMI 1200 W/DXS | 27 | 220 | 180 | Any | SFc15.5 | 1 | 2 |
| HMI 2500 W/S XS | 31.5 | 210 | 150 | p30 | SFa21-12 | 1 | 3 |
| HMI 2500 W/DXS | 31.5 | 355 | 290 | p30 | SFa21 | 1 | 3 |
| HMI 4000 W/DXS | 36 | 405 | 340 | p15 | SFa21 | 1 | 3 |
| HMI 6000 W/DXS | 54 | 450 | | p15 | S25.5 | 1 | 4 |
| HMI 12000 W/DXS | 64 | 470 | | p15 | S30 | 1 | 5 |
| HMI 18000 W/DXS | 70 | 500 | | p15 | S30 | 1 | 6 |
| HMI 24000 W/DXS | 83 | 500 | | p15 | S30 | 1 | 7 |

See safety advice no. 4 on page 92

Lok-it!®



| Product name | Product number | W | V | A | t [h] | lm | K |
|-------------------------------|----------------|------|-----|------|-------|--------|------|
| Lok-it!® | | | | | | | |
| Lok-it! HTI 400 W/60/P28 | 4008321605481 | 400 | 67 | 6 | 750 | 30000 | 6000 |
| Lok-it! HTI 700 W/60/P28 | 4052899179790 | 700 | 60 | 11.6 | 750 | 50000 | 6000 |
| Lok-it! HTI 700 W/75/P28 | 4008321510549 | 700 | 100 | 11 | 750 | 50000 | 7500 |
| Lok-it! HTI 700 W/75/P50 | 4008321485205 | 700 | 100 | 10 | 750 | 50000 | 7500 |
| Lok-it! HTI 1500 W/60/P50 | 4008321553416 | 1500 | 100 | 15 | 750 | 135000 | 6000 |
| Lok-it! HTI 1500 W/60/P50 M3W | 4008321818997 | 1500 | 100 | 15 | 750 | 130000 | 6000 |

Lok-it!® Power Series

| | | | | | | | |
|---------------------------|---------------|------|----|------|-----|--------|------|
| Lok-it! 1000/PS | 4052899965157 | 1000 | 85 | 12 | 950 | 85000 | 6000 |
| Lok-it! 1000/PS Blue | 4052899965171 | 1000 | 71 | 14 | 750 | 70000 | 7500 |
| Lok-it! 1000/PS Brilliant | 4052899965164 | 1000 | 85 | 12 | 750 | 82000 | 5900 |
| Lok-it! 1400/PS Brilliant | 4052899965195 | 1400 | 90 | 15.5 | 750 | 120000 | 6000 |
| Lok-it! 1700/PS | 4052899965201 | 1700 | 85 | 20 | 750 | 135000 | 6000 |

Product name



Lok-it!®

| | | | | | | | | |
|-------------------------------|------|----|-----|----|-----|--------|---|---|
| Lok-it! HTI 400 W/60/P28 | > 85 | 17 | 103 | 56 | 3.4 | PGJX28 | 1 | 1 |
| Lok-it! HTI 700 W/60/P28 | > 85 | 18 | 112 | 56 | 4.1 | PGJX28 | 1 | 1 |
| Lok-it! HTI 700 W/75/P50 | 85 | 18 | 128 | 65 | 4 | PGJX28 | 1 | 2 |
| Lok-it! HTI 700 W/75/P28 | > 85 | 20 | 125 | 65 | 4 | PGJX28 | 1 | 1 |
| Lok-it! HTI 1500 W/60/P50 | > 85 | 26 | 128 | 65 | 5.8 | PGJX50 | 1 | 2 |
| Lok-it! HTI 1500 W/60/P50 M3W | > 85 | 26 | 128 | 65 | 5.8 | PGJX28 | 1 | 2 |

Lok-it!® Power Series

| | | | | | | | | |
|---------------------------|------|----|-----|----|-----|--------|---|---|
| Lok-it! 1000/PS | > 85 | 21 | 112 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1000/PS Blue | > 85 | 21 | 112 | 56 | 5.5 | PGJX28 | 1 | 3 |
| Lok-it! 1000/PS Brilliant | 95 | 21 | 112 | 56 | 5.5 | PGJX36 | 1 | 3 |
| Lok-it! 1400/PS Brilliant | 95 | 22 | 125 | 60 | 5.5 | PGJX28 | 1 | 3 |
| Lok-it! 1700/PS | 92 | 22 | 125 | 60 | 5.5 | PGJX28 | 1 | 3 |

Product features

- eXtreme Seal technology for discharge lamps

Product benefits

- Rapid relamping with bayonet lock

See safety advice no. 1 on page 92

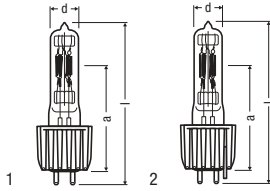
More information about the focus product
See Lok-it!® Power Series on pages 16/17











Looking for a solution for smaller moving heads?

See SIRIUS HRI® on page 51

HPL®



| Product name | Product number | W | V | t(h) | lm | K |  d (mm) |
|---------------|----------------|-----|-----|------|-------|------|--|
| HPL 575/230 | 4050300461816 | 575 | 230 | 400 | 14900 | 3200 | 19 |
| HPL 575/240 | 4050300461830 | 575 | 240 | 400 | 14900 | 3200 | 19 |
| HPL 575/230/X | 4008321090102 | 575 | 230 | 1500 | 11780 | 3050 | 19 |
| HPL 575/240/X | 4008321174444 | 575 | 240 | 1500 | 11780 | 3050 | 19 |
| HPL 750/230 | 4050300654201 | 750 | 230 | 300 | 19750 | 3200 | 19 |
| HPL 750/240/X | 4050300654225 | 750 | 240 | 300 | 19750 | 3200 | 19 |
| HPL 750/230/X | 4008321090324 | 750 | 230 | 1500 | 15600 | 3050 | 19 |
| HPL 750/240/X | 4008321174468 | 750 | 240 | 1500 | 15600 | 3050 | 19 |

| Product name |  l [mm] |  LCL a [mm] |  Pst h |  |  |  |  No. |
|---------------|--|--|---|---|---|---|---|
| HPL 575/230 | 104 | 60.3 | 9.5*11.5 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 575/240 | 104 | 60.3 | 9.5*11.5 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 575/230/X | 104 | 60.3 | 14.5*11 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 575/240/X | 104 | 60.3 | 14.0*14 ¹⁾ | Any | 2 pins | 12 | 1 |
| HPL 750/230 | 101 | 60.3 | 7.5*11.5 ¹⁾ | Any | 2 pins | 12 | 2 |
| HPL 750/240/X | 101 | 60.3 | 7.5*11.5 ¹⁾ | Any | 2 pins | 12 | 2 |
| HPL 750/230/X | 104 | 60.3 | 15.5*11 ¹⁾ | Any | 2 pins | 12 | 2 |
| HPL 750/240/X | 101 | 60.3 | 15.5*11 ¹⁾ | Any | 2 pins | 12 | 2 |

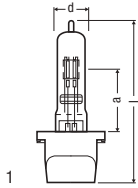
1) Type of filament 6-C8

Product benefits

- High-performance lamps
- Optimum use of the generated light in the spotlight

See safety advice no. 5 on page 92

QXL



| Product name | Product number | W | t [h] | lm | K | d [mm] | |
|----------------|----------------|------------|--------|-------|--------------------|--------|---|
| QXL 750 W 77 V | 4008321090218 | 750 | 1500 | 18000 | 3050 | 18.5 | |
| Product name | l [mm] | LCL a [mm] | | | | | |
| QXL 750 W 77 V | 104 | 38 | 6.5*12 | Any | G9.5 ¹⁾ | 12 | 1 |

1) Quick exchange base

Product features

- Equipped with XS technology
- Maximum permitted base temperature: 500 °C
- Special bayonet base

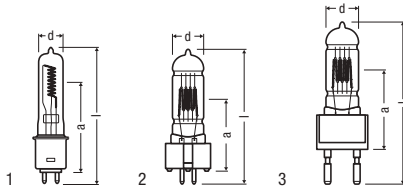
Areas of application

- Stage and theater lighting

Product benefits

- Tool-less lamp exchange without opening the spotlight
- Developed in cooperation with Electronic Theatre Controls (ETC)

Halogen lamps, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|--------------|----------------|------|-------|------|-----|-------|-------|------|
| 64743 | 4008321225702 | FEL | | 1000 | 120 | 300 | 27500 | 3200 |
| 64744 | 4008321554833 | FWP | T/19 | 1000 | 230 | 750 | 20500 | 3000 |
| 64744 | 4008321554857 | FWP | T/19 | 1000 | 240 | 750 | 20500 | 3000 |
| 64745 | 4008321468611 | FVA | CP/70 | 1000 | 230 | 200 | 26000 | 3200 |
| 64745 | 4008321468659 | FVA | CP/70 | 1000 | 240 | 200 | 26000 | 3200 |
| 64747 | 4008321468635 | FKJ | CP/71 | 1000 | 230 | 200 | 26000 | 3200 |
| 64747 | 4008321468741 | FKJ | CP/71 | 1000 | 240 | 200 | 26000 | 3200 |
| 93734 | 4050300350073 | FEP | CP/77 | 1000 | 240 | 300 | 23000 | 3200 |

| Product name | d [mm] | l [mm] | LCL a [mm] | Hand icon | Beam angle icon | Socket icon | Base icon | No. |
|--------------|--------|--------|---------------|-----------|-----------------|-------------|-----------|-----|
| 64743 | 20 | 101 | 60.3 | 11.4*24.4 | Any | G9.5 | 12 | 1 |
| 64744 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 |
| 64744 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 |
| 64745 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 |
| 64745 | 26 | 110 | 55 | 13.0*15.0 | s90 | GX9.5 | 20 | 2 |
| 64747 | 26 | 140 | 63.5 | 13.0*15.0 | s90 | G22 | 20 | 3 |
| 64747 | 26 | 140 | 63.5 | 13.0*15.0 | s90 | G22 | 20 | 3 |
| 93734 | 20 | 102 | 60.3 | 5.7*27.0 | Any | 2 pins | 12 | 1 |

Product features

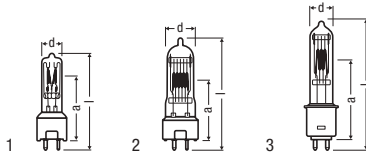
- Operation at mains voltage: 120V, 230V, 240V
- Color temperature: 3,000K (with longer lifespan)
- Color temperature: 3,200K (for professional film and TV work)

Areas of application

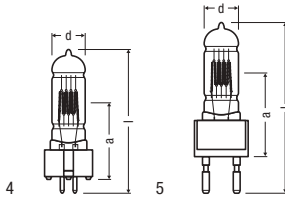
- Theater and concert stages
- Professional film and TV work
- Entertainment









See safety advice no. 5 on page 92

Halogen lamps, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|--------------|----------------|------|--------|-----|-----|-------|-------|------|
| 64673 | 4052899015463 | FSL | CP/81 | 300 | 230 | 200 | 7500 | 3100 |
| 64673 | 4052899015487 | FSK | CP/81 | 300 | 240 | 200 | 7500 | 3100 |
| 64670 | 4008321624017 | GCV | T/25 | 500 | 230 | 300 | 11000 | 3000 |
| 64670 | 4008321624031 | GCV | T/25 | 500 | 240 | 300 | 11000 | 3000 |
| 64674 | 4052899015500 | FRH | CP/82 | 500 | 230 | 200 | 13500 | 3200 |
| 64674 | 4052899015524 | FRJ | CP/82 | 500 | 240 | 200 | 13500 | 3200 |
| 64680 | 4008321098573 | | A1/244 | 500 | 230 | 50 | 14500 | 3200 |
| 64680 | 4008321098597 | | A1/244 | 500 | 240 | 50 | 14500 | 3200 |
| 64716 | 4008321623973 | GKV | | 600 | 230 | 250 | 14000 | 3050 |
| 64716 | 4008321623997 | GKV | | 600 | 240 | 250 | 14000 | 3050 |
| 64717 | 4008321624215 | FRL | CP/89 | 650 | 230 | 150 | 16250 | 3200 |
| 64717 | 4008321624239 | FRM | CP/89 | 650 | 240 | 150 | 16250 | 3200 |
| 64718 | 4008321624253 | GCT | T/27 | 650 | 230 | 400 | 14500 | 3000 |
| 64718 | 4008321624277 | GCT | T/27 | 650 | 240 | 400 | 14500 | 3000 |
| 64719 | 4008321638076 | | T/12 | 650 | 230 | 750 | 12000 | 3000 |
| 64720 | 4008321638090 | | CP/23 | 650 | 230 | 100 | 16800 | 3200 |
| 64721 | 4008321638113 | FKH | CP/39 | 650 | 230 | 100 | 16800 | 3200 |
| 64678 | 4008321624055 | | | 800 | 230 | 250 | 20000 | 3200 |



| Product name |  d [mm] |  h [mm] |  LCL a [mm] |  |  |  |  |  No. |
|--------------|--|--|---|---|---|---|---|---|
| 64673 | 18 | 80 | 46.5 | 6.5*13 | Any | GY9.5 | 12 | 1 |
| 64673 | 18 | 80 | 46.5 | 6.5*13 | Any | GY9.5 | 12 | 1 |
| 64670 | 23 | 90 | 46.5 | 11.0*11.0 | s90 | GY9.5 | 12 | 2 |
| 64670 | 23 | 90 | 46.5 | 11.0*11.0 | s90 | GY9.5 | 12 | 2 |
| 64674 | 18 | 80 | 46.5 | 8.0*18 | Any | GY9.5 | 12 | 1 |
| 64674 | 18 | 80 | 46.5 | 8.0*18 | Any | GY9.5 | 12 | 1 |
| 64680 | 22 | 75 | 36.5 | 10.0*10.0 ¹⁾ | Any | GY9.5 | 12 | 2 |
| 64680 | 22 | 75 | 36.5 | 10.0*10.0 ¹⁾ | Any | GY9.5 | 12 | 2 |
| 64716 | 19 | 101 | 60.5 | 9.0*13.0 | s90 | G9.5 | 12 | 3 |
| 64716 | 19 | 101 | 60.5 | 9.0*13.0 | s90 | G9.5 | 12 | 3 |
| 64717 | 23 | 90 | 46.5 | 26.0*33.0 | s90 | GY9.5 | 12 | 2 |
| 64717 | 23 | 90 | 46.5 | 26.0*33.0 | s90 | GY9.5 | 12 | 2 |
| 64718 | 23 | 90 | 46.5 | 10.0*10.0 | s90 | GY9.5 | 12 | 2 |
| 64718 | 23 | 90 | 46.5 | 10.0*10.0 | s90 | GY9.5 | 12 | 2 |
| 64719 | 26 | 110 | 55 | 13.0*11.0 | s90 | GX9.5 | 20 | 4 |
| 64720 | 26 | 110 | 55 | 13.0*17.0 ¹⁾ | s90 | GX9.5 | 20 | 4 |
| 64721 | 26 | 140 | 63.5 | 13.0*17.0 ¹⁾ | s90 | G22 | 20 | 5 |
| 64678 | 19 | 101 | 60.5 | 9.0*13.0 | s90 | G9.5 | 12 | 3 |

¹⁾ With monoplane filament

Product features

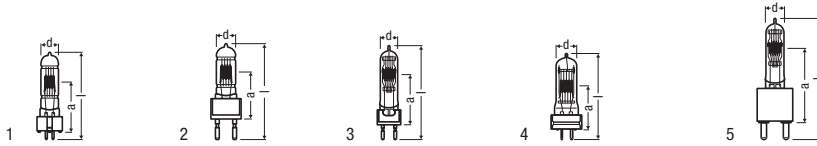
- Operation at mains voltage: 230V, 240V
- Color temperature: 3,000K (with longer lifespan)
- Color temperature: 3,200K (for professional film and TV work)

Areas of application

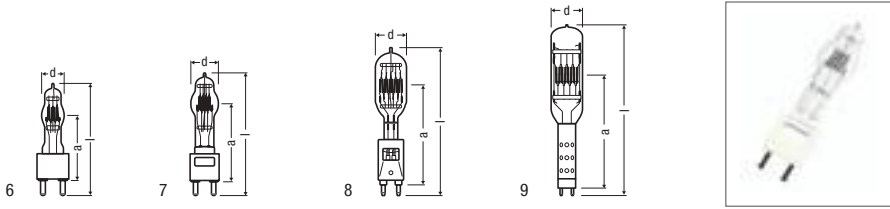
- Theater and concert stages
- Professional film and TV work
- Entertainment









See safety advice no. 5 on page 92

Halogen lamps, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|--------------|----------------|------|--------|-------|-----|-------|--------|------|
| 64752 | 4008321624475 | FWS | T/29 | 1200 | 230 | 400 | 28600 | 3000 |
| 64752 | 4008321624499 | FWS | T/29 | 1200 | 240 | 400 | 28600 | 3000 |
| 64754 | 4008321624529 | | CP/90 | 1200 | 230 | 200 | 30000 | 3200 |
| 64756 | 4008321624550 | | CP/93 | 1200 | 230 | 200 | 30000 | 3200 |
| 93723 | 4008321370594 | | CP/110 | 1200 | 80 | 300 | 37500 | 3200 |
| 64777 | 4008321632197 | | CP/92 | 2000 | 230 | 400 | 52000 | 3200 |
| 64787 | 4008321653994 | | CP/75 | 2000 | 230 | 400 | 52000 | 3200 |
| 64788 | 4008321632173 | FTM | CP/72 | 2000 | 230 | 400 | 52000 | 3200 |
| 64788 | 4008321632180 | FTM | CP/72 | 2000 | 240 | 400 | 52000 | 3200 |
| 64789 | 4008321654021 | FKK | CP/73 | 2000 | 230 | 400 | 52000 | 3200 |
| 64789 | 4008321654038 | FKK | CP/73 | 2000 | 240 | 400 | 52000 | 3200 |
| 64796 | 4008321653987 | | CP/91 | 2500 | 230 | 400 | 65000 | 3200 |
| 64797 | 4052899129542 | | | 3000 | 230 | 400 | 82000 | 3200 |
| 64805 | 4052899129580 | | CP/85 | 5000 | 120 | 400 | 135000 | 3200 |
| 64805 | 4052899129566 | | CP/85 | 5000 | 230 | 400 | 135000 | 3200 |
| 64805 | 4052899129573 | | CP/85 | 5000 | 240 | 400 | 135000 | 3200 |
| 64815 | 4050300780696 | ECR | CP/83 | 10000 | 230 | 350 | 285000 | 3200 |
| 64818 | 4008321792051 | BCM | CP/99 | 20000 | 230 | 350 | 580000 | 3200 |



| Product name |  d [mm] |  h [mm] |  LCL a [mm] |  |  |  |  |  No. |
|--------------|--|--|---|---|---|---|---|---|
| 64752 | 27 | 125 | 67 | 13.0*15.0 | s90 | GX9.5 | 20 | 1 |
| 64752 | 27 | 125 | 67 | 13.0*15.0 | s90 | GX9.5 | 20 | 1 |
| 64754 | 27 | 125 | 67 | 13.0*15.0 | s90 | GX9.5 | 20 | 1 |
| 64756 | 26 | 140 | 63.5 | 13.0*15.0 | s90 | G22 | 20 | 2 |
| 93723 | 22 | 120.7 | 63.5 | 12.7*12.7 | s135 | 2 pins | 12 | 3 |
| 64777 | 35 | 175 | 90 | 20.0*19.0 | s90 | G22 | 12 | 3 |
| 64787 | 35 | 160 | 75 | 20.0*19.0 | s90 | G22 | 12 | 3 |
| 64788 | 35 | 145 | 70 | 20.0*19.0 | s90 | GY16 | 12 | 4 |
| 64788 | 35 | 145 | 70 | 20.0*19.0 | s90 | GY16 | 12 | 4 |
| 64789 | 35 | 210 | 127 | 20.0*19.0 | s90 | G38 | 6 | 5 |
| 64789 | 35 | 210 | 127 | 20.0*19.0 | s90 | G38 | 6 | 5 |
| 64796 | 35 | 175 | 90 | 20.0*19.0 | s90 | G22 | 12 | 3 |
| 64797 | 45 | 210 | 127 | 33.0*35.0 | s90 | G38 | 6 | 6 |
| 64805 | 60 | 279.4 | 165 | 26.0*33.0 | s90 | G38 | 6 | 7 |
| 64805 | 60 | 279 | 165 | 26.0*33.0 | s90 | G38 | 6 | 7 |
| 64805 | 61 | 279 | 165 | 26.0*33.0 | s90 | G38 | 6 | 7 |
| 64815 | 80 | 400 | 254 | 60.0*35.0 | s45 | G38 | 6 | 8 |
| 64818 | 100 | 550 | 354 | 67.0*50.0 | s45 | G38 | 4 | 9 |

Product features

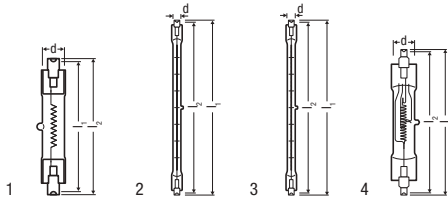
- Operation at mains voltage: 80V, 120V, 230V, 240V
- Color temperature: 3,000K (with longer lifespan)
- Color temperature: 3,200K (for professional film and TV work)

Areas of application

- Theater and concert stages
- Professional film and TV work
- Entertainment

See safety advice no. 5 on page 92

Halogen lamps, double-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | Im |
|--------------|----------------|------|-------|------|-----------|-------|-------|
| 64571 | 4050300014180 | DXX | P2/13 | 800 | 230 | 75 | 21000 |
| 64571 | 4050300283388 | DXX | P2/13 | 800 | 240...250 | 75 | 21000 |
| 64572 | 4008321325181 | | P2/35 | 1000 | 230 | 150 | 25000 |
| 64579 | 4050300014104 | FDG | | 1000 | 115...120 | 15 | 33000 |
| 64580 | 4050300006888 | | P1/12 | 1000 | 230 | 15 | 35000 |
| 64580 | 4050300283173 | | P1/12 | 1000 | 240 | 15 | 35000 |
| 64583 | 4050300249094 | | P2/20 | 1000 | 230 | 300 | 27000 |
| 64583 | 4050300411477 | | P2/20 | 1000 | 240 | 300 | 27000 |
| 64741 | 4050300209333 | EKM | P2/7 | 1000 | 230 | 200 | 25000 |
| 64741 | 4050300283197 | EKM | P2/7 | 1000 | 240 | 200 | 25000 |
| 64751 | 4050300214641 | | P2/12 | 1250 | 230 | 200 | 33500 |
| 64751 | 4050300283357 | | P2/12 | 1250 | 240 | 200 | 33500 |
| 64781 | 4050300229997 | FEX | P2/27 | 2000 | 230 | 300 | 50000 |
| 64781 | 4050300283500 | FEX | P2/27 | 2000 | 240 | 300 | 50000 |

| Product name | K | d [mm] | l1 [mm] | l2 [mm] | | | | No. |
|--------------|------|--------|---------|---------|--------------------------|------|----|-----|
| 64571 | 3200 | 17 | 75 | 78 | Horizontal ¹⁾ | R7s | 50 | 1 |
| 64571 | 3200 | 17 | 75 | 78 | Horizontal ¹⁾ | R7s | 50 | 1 |
| 64572 | 3200 | 18 | 94 | 88 | Any | R7s | 50 | 1 |
| 64579 | 3200 | 12 | 122 | 122 | p15 ¹⁾ | R7s | 12 | 2 |
| 64580 | 3400 | 12 | 127 | 122 | p15 | R7s | 12 | 2 |
| 64580 | 3400 | 12 | 127 | 122 | p15 | R7s | 12 | 2 |
| 64583 | 3200 | 10 | 114 | 114 | Any | R7s | 12 | 2 |
| 64583 | 3200 | 12 | 114 | 114 | Any | R7s | 12 | 2 |
| 64741 | 3200 | 12 | 186 | 186 | s180 | R7s | 12 | 3 |
| 64741 | 3200 | 12 | 186 | 186 | s180 | R7s | 12 | 3 |
| 64751 | 3200 | 12 | 186 | 186 | p15 | R7s | 12 | 3 |
| 64751 | 3200 | 12 | 186 | 186 | p15 | R7s | 12 | 3 |
| 64781 | 3200 | 30 | 138 | 139 | p15 | RX7s | 12 | 4 |
| 64781 | 3200 | 30 | 138 | 139 | p15 | RX7s | 12 | 4 |

¹⁾ Burning position preferably horizontal, vertical possible for a short time

Product features

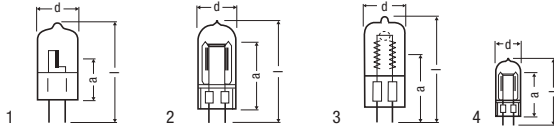
- Operation at mains voltage: 120V, 230V, 240V
- Color temperature: 3,200K (for professional film and TV work)
- Color temperature: 3,400K (for maximum luminous efficacy)

Areas of application

- Theater and concert stages
- Professional film and TV work

See safety advice no. 5 on page 92

Halogen lamps, medium/high voltage, single-ended

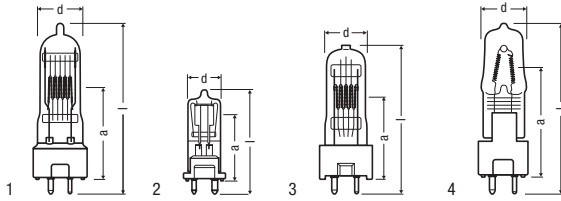


| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|---------------------|----------------|------|--------|------|-----|-------|-------|------|
| 64502 | 4052899080751 | | | 150 | 230 | 50 | 4000 | 3200 |
| 64502 | 4052899080775 | | | 150 | 240 | 50 | 4000 | 3200 |
| 64502C | 4052899363250 | | | 150 | 230 | 50 | 4000 | 3200 |
| 64502C | 4052899363236 | | | 150 | 240 | 50 | 4000 | 3200 |
| 64504 | 4052899101654 | | A1/249 | 150 | 230 | 25 | 5150 | 3200 |
| 64504 | 4052899101678 | | A1/249 | 150 | 240 | 25 | 4000 | 3200 |
| 64505 ¹⁾ | 4008321746078 | | | 200 | 230 | 25 | 5100 | 3200 |
| 64505 ¹⁾ | 4008321746092 | | | 200 | 240 | 25 | 5150 | 3200 |
| 64512 ¹⁾ | 4008321746115 | | | 300 | 120 | 15 | 9300 | 3350 |
| 64514 ¹⁾ | 4008321746139 | | CP/96 | 300 | 120 | 75 | 8100 | 3200 |
| 64515 ¹⁾ | 4008321746153 | | | 300 | 230 | 15 | 9600 | 3300 |
| 64515 ¹⁾ | 4008321746177 | | | 300 | 240 | 15 | 8900 | 3350 |
| 64516 ¹⁾ | 4008321746191 | | CP/97 | 300 | 230 | 75 | 7400 | 3150 |
| 64516 ¹⁾ | 4008321746214 | | CP/97 | 300 | 240 | 75 | 7300 | 3150 |
| 64540 | 4052899158221 | BVM | | 650 | 230 | 15 | 20000 | 3400 |
| 64540 | 4052899158245 | BVM | | 650 | 240 | 15 | 20000 | 3400 |
| 64575 | 4008321098856 | EGY | | 1000 | 230 | 15 | 33000 | 3400 |
| 64575 | 4008321098450 | EGY | | 1000 | 240 | 15 | 33000 | 3400 |
| 64576 | 4008321099860 | | | 1000 | 230 | 75 | 28000 | 3200 |

| Product name | Ø [mm] | LCL ã [mm] | l [mm] | Pinch | Light | Base | Mount | Light No. |
|---------------------|--------|------------|--------|-----------|-------|--------|-------|-----------|
| 64502 | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 1 |
| 64502 | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 1 |
| 64502C | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 1 |
| 64502C | 18 | 28 | 55 | 13.0*1.9 | Any | GX6.35 | B | 20 1 |
| 64504 | 18 | 40 | 62 | 9.6*12.5 | s90 | G6.35 | B | 20 2 |
| 64504 | 18 | 40 | 62 | 9.6*12.5 | s90 | G6.35 | B | 20 2 |
| 64505 ¹⁾ | 18.5 | 27 | 53 | 9.6*12.5 | s90 | GX6.35 | B | 20 3 |
| 64505 ¹⁾ | 18.5 | 27 | 53 | 9.5*12.5 | s90 | GX6.35 | B | 20 3 |
| 64512 ¹⁾ | 18.5 | 27 | 53 | 10.0*12.5 | s90 | GX6.35 | B | 20 3 |
| 64514 ¹⁾ | 18.5 | 27 | 53 | 10.0*12.5 | p90 | GX6.35 | B | 20 3 |
| 64515 ¹⁾ | 18.5 | 27 | 53 | 9.8*12.5 | s90 | GX6.35 | B | 20 3 |
| 64515 ¹⁾ | 18.5 | 27 | 53 | 10.0*12.5 | s90 | GX6.35 | B | 20 3 |
| 64516 ¹⁾ | 18.5 | 27 | 53 | 9.8*12.5 | s90 | GX6.35 | B | 20 3 |
| 64516 ¹⁾ | 18.5 | 27 | 53 | 9.7*12.5 | s90 | GX6.35 | B | 20 3 |
| 64540 | 24 | 28 | 57.5 | 14.0*15 | Any | GX6.35 | B | 12 4 |
| 64540 | 24 | 28 | 57.5 | 14.0*15 | Any | GX6.35 | B | 12 4 |
| 64575 | 24 | 38 | 67.5 | 14.0*14 | Any | GX6.35 | B | 12 4 |
| 64575 | 24 | 38 | 67.5 | 14.0*14 | Any | GX6.35 | B | 12 4 |
| 64576 | 24 | 45 | 67.5 | 14.0*14 | Any | GX6.35 | B | 12 4 |

1) With quartz pinch technology

Halogen lamps, medium/high voltage, single-ended



| Product name | Product number | ANSI | LIF | W | V | t [h] | lm | K |
|---------------------|----------------|------|------|-----|-----|-------|--------------------|------|
| 93591 ¹⁾ | 4050300481555 | FSY | | 400 | 240 | 75 | 8000 ³⁾ | 3200 |
| 93592 ¹⁾ | 4050300481531 | FSX | | 400 | 230 | 75 | 8000 ³⁾ | 3200 |
| 64662 | 4052899015449 | | | 300 | 230 | 2000 | 5000 | 2900 |
| 64662 | 4052899144248 | | M/38 | 300 | 240 | 2000 | 5000 | 2900 |
| 64672 | 4008321098559 | | | 500 | 230 | 2000 | 8500 | 2900 |
| 64672 | 4008321098535 | | | 500 | 240 | 2000 | 8500 | 2900 |
| 64686 | 4052899158269 | DYR | | 650 | 230 | 50 | 16500 | 3200 |
| 64686 | 4052899158283 | DYR | | 650 | 240 | 50 | 16500 | 3200 |

| Product name | ∅ [mm] | LCL [mm] | L [mm] | Base | Beam | Socket | Dimmer | Mounting | No. |
|---------------------|--------|----------|--------|-----------------------|------|--------|--------|----------|-----|
| 93591 ¹⁾ | 20 | 36.5 | 77 | 10.7*12.2 | s90 | GY9.5 | C | 24 | 1 |
| 93592 ¹⁾ | 20 | 36.5 | 77 | 10.7*12.2 | s90 | GY9.5 | C | 24 | 1 |
| 64662 | 15 | 46.5 | 80 | 9.0*11 | Any | GY9.5 | D | 12 | 2 |
| 64662 | 17.5 | 46.5 | 80 | 9.0*11 | Any | GY9.5 | D | 12 | 2 |
| 64672 | 22 | 46.5 | 85 | 12.0*11 | Any | GY9.5 | D | 12 | 3 |
| 64672 | 22 | 46.5 | 85 | 12.0*11 | Any | GY9.5 | D | 12 | 3 |
| 64686 | 21 | 36.5 | 64 | 10.0*10 ²⁾ | Any | GY9.5 | B | 12 | 4 |
| 64686 | 21 | 36.5 | 64 | 10.0*10 ²⁾ | Any | GY9.5 | B | 12 | 4 |

1) Available on request
 2) With monoplane filament
 3) With internal reflector

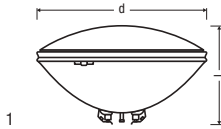
Product features

- Operation at mains voltage: 230 V, 240 V
- Color temperature: 2,900 K, 3,000 K (with longer lifespan)
- Color temperature: 3,200 K (for professional film and TV work)
- Color temperature: 3,400 K (for maximum luminous efficacy)

Areas of application

- Stage and theater lighting
- Professional film and TV work

PAR56



| Product name | Product number | W | V | t [h] | cd | |
|--------------|----------------|-----|----|-------|-------|-------|
| PAR56 WFL | 4008321362209 | 300 | 12 | 1200 | 12000 | 38/20 |







| Product name | d [mm] | l [mm] | | | | No. |
|--------------|--------|--------|--------------------|--------------|---|-----|
| PAR56 WFL | 178 | 127 | hs30 ¹⁾ | not relevant | 6 | 1 |

1) Do not tilt perpendicular to the filament

See safety advice no. 6 on page 92

STUDIOLINE®



| Product name | Product number | W |  d (mm) |  l (mm) |  t (h) | lm | K |  |  |  No. |
|------------------------|----------------|----|--|--|---|------|------|---|---|---|
| STUDIOLINE 55 W/3200 K | 4050300575292 | 55 | 535 | 18 | 8000 ¹⁾ | 3800 | 3200 | 2G11 | 10 | 1 |
| STUDIOLINE 55 W/5600 K | 4050300575278 | 55 | 535 | 18 | 8000 ¹⁾ | 3800 | 5600 | 2G11 | 10 | 1 |

1) Failure rate 2% the first 8,000h; this statement must be restricted only to attributable lamp faults

Product features

- Special phosphor combination

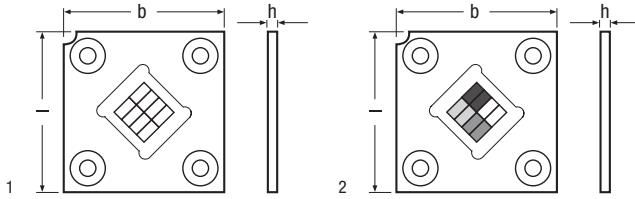
Product benefits

- Can be used with halogen or HMI® lamps without any problems

Areas of application

- Stage and theater lighting
- Film shooting
- Matched to use with electronic cameras

SplitStar® S32



| Product name | Product number | W | Current per channel (max.) [A] | K | cd/mm ² | Im | b [mm] | l [mm] | h [mm] |
|--------------------|----------------|-----|---|--|--------------------|---|--------|--------|--------|
| SplitStar S32 CW | 4052899388024 | 300 | 5 | 6200 | 140 ¹⁾ | 20000 ¹⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBW | 4052899522985 | 277 | red 4 green 5 blue 5 white 5 | red 638 nm true green 524 nm deep blue 446 nm white 6200K | 70 ¹⁾ | red 1450 ¹⁾³⁾ green 2825 ¹⁾³⁾ blue 2100 ¹⁾³⁾ white 5000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBA | tbd | 180 | converted amber 3 converted green 5 red 4 blue 5 | 2700–7000 | 70 ¹⁾ | 10000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |

| Product name | Number of channels | R _a | Temperature control | Thermal resistance R _{th} (module) [K/W] | Operating temperature [°C] | Viewing angle [°] | Emitting area [mm ²] | | No. |
|--------------------|--------------------|----------------|---------------------|---|----------------------------|-------------------|----------------------------------|----|-----|
| SplitStar S32 CW | 2 | 70 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 1 |
| SplitStar S32 RGBW | 4 | – | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |
| SplitStar S32 RGBA | 4 | ≤93 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |

1) Pulse mode operation
 2) NTC reading
 3) Not Planckian locus
 4) NTC to backplane

Product features

- Up to 20,000 lm (CW)¹⁾
- Up to 140 cd/mm² (CW)¹⁾
- Scalable design
- LED chips are wired in series circuits
- Electrically insulated
- Tunable white color temperature with high CRI from 2,700 to 7,000 K
- Customized versions on request

Product benefits

- Cutting-edge performance enables new generation of LED fixtures with superior light output
- Very high luminance, perfect for beam and spot lights
- Chips can be driven with standard voltage and current levels 5 A max. (SELV)
- Module is electrically insulated and can be mounted directly onto heat sink

Areas of application

- Entertainment
- Architectural lighting
- Theater lighting
- Professional lighting

See safety advice no. 7 on page 92

More information about the focus product

See SplitStar® S32 on pages 20/21

Breathing life into buildings – day and night

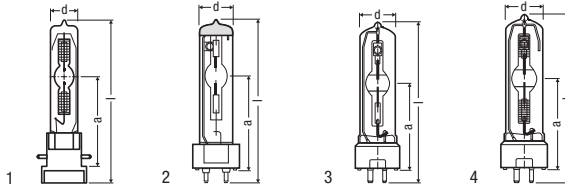
Architectural lighting

The challenge with architectural lighting is to create intense colored effects over large areas and in harsh operating conditions. OSRAM meets this challenge with light sources that provide optimum thermal and mechanical stability, maximum energy efficiency and long service life.

| | |
|----------------------------|----|
| Lok-it!® and 4ArXS HSD® | 88 |
| Xstage® | 89 |
| SplitStar® S32 LED modules | 90 |



Lok-it!® and 4ArXS HSD®



| Product name | Product number | W | V | A | t [h] | lm | K |
|--------------------------|----------------|-----|----|-----|-------|-------|------|
| Lok-it!® | | | | | | | |
| Lok-it! HSD 300 W/80/P28 | 4008321644831 | 300 | 95 | 3.2 | 2000 | 27000 | 8000 |

| 4ArXS HSD® | | | | | | | |
|----------------------------------|---------------|-----|----|-----|--------------------|-------|------|
| 4ArXS HSD 150 W/70 ¹⁾ | 4008321625847 | 150 | 97 | 1.8 | 3000 ²⁾ | 12000 | 7000 |
| 4ArXS HSD 250 W/60 | 4008321625762 | 250 | 90 | 3.3 | 2000 | 17000 | 6000 |
| 4ArXS HSD 250 W/80 | 4008321625786 | 250 | 95 | 3.2 | 3000 | 17000 | 8000 |
| 4ArXS HSD 575 W/72 | 4008321625809 | 575 | 88 | 7.4 | 3000 | 45000 | 7200 |

| Product name | R _a | d [mm] | l [mm] | LCL a [mm] | Symbol | Symbol | Symbol | Symbol |
|--------------------------|----------------|--------|--------|---------------|--------|--------|--------|--------|
| Lok-it!® | | | | | | | | |
| Lok-it! HSD 300 W/80/P28 | > 70 | 23 | 120 | 67 | 5 | PGJX28 | 1 | 1 |

| 4ArXS HSD® | | | | | | | | |
|----------------------------------|---|----|-----|----|------|-------|----|---|
| 4ArXS HSD 150 W/70 ¹⁾ | – | 20 | 105 | 56 | hs30 | G12 | 10 | 2 |
| 4ArXS HSD 250 W/60 | – | 23 | 108 | 55 | hs30 | GY9.5 | 10 | 3 |
| 4ArXS HSD 250 W/80 | – | 23 | 108 | 55 | hs30 | GY9.5 | 10 | 3 |
| 4ArXS HSD 575 W/72 | – | 30 | 135 | 65 | hs30 | GX9.5 | 10 | 4 |

¹⁾ Outer bulb with UV filter
²⁾ Failure rate 2% the first 3,000h; this statement must be restricted only to attributable lamp faults

Product features

- eXtreme Seal technology for discharge lamps

Product benefits

- Lok-it!®:**
- Rapid relamping with bayonet lock
- 4ArXS HSD®:**
- Especially long lifespan

Areas of application

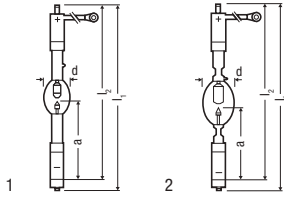
- Architectural lighting
- Entertainment

See safety advice no. 1 on page 92

Looking for a solution for smaller moving heads?

See SIRIUS HRI® on page 51

Xstage®



| Product name | Product number | W | V | A | $\frac{W}{A}$ | t [h] | lm |
|-------------------|----------------|------|----|-----|---------------|-------|--------|
| Xstage 2000 W OFR | 4008321288820 | 2000 | 23 | 90 | 70...100 | 1000 | 80000 |
| Xstage 3000 W OFR | 4008321288837 | 3000 | 30 | 100 | 70...110 | 1000 | 140000 |
| Xstage 4000 W OFR | 4008321288844 | 4000 | 30 | 130 | 80...135 | 1000 | 150000 |
| Xstage 7000 W OFR | 4008321288851 | 7000 | 40 | 160 | 110...165 | 1000 | 330000 |

| Product name | d [mm] | h [mm] | l2 [mm] | LCL a [mm] | + | - | + | No. |
|-------------------|--------|--------|---------|------------|------------|----------|---|-----|
| Xstage 2000 W OFR | 47 | 300 | 262 | 120 | SFaX27-9.5 | SFc28-27 | 1 | 1 |
| Xstage 3000 W OFR | 55 | 300 | 262 | 120 | SFaX27-9.5 | SFc28-27 | 1 | 1 |
| Xstage 4000 W OFR | 60 | 315 | 277 | 120 | SFaX27-9.5 | SFc28-27 | 1 | 2 |
| Xstage 7000 W OFR | 70 | 400 | 362 | 162.5 | SFaX27-9.5 | SFc28-27 | 1 | 2 |

Product features

- Color temperature: approx. 6,000K (daylight)
- Dimmable
- Hot restart capability

Areas of application

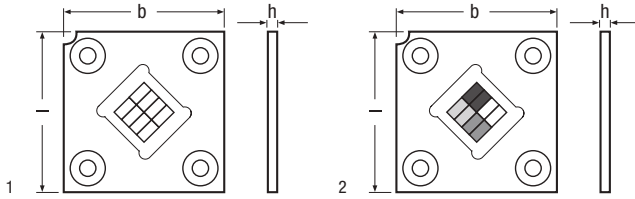
- Xenon short-arc lamps for event and architectural lighting

See safety advice no. 3 on page 92

Product benefits

- Higher luminance thanks to the shorter arc
- Optimized base for better stability
- Optimized compact design

SplitStar® S32



| Product name | Product number | W | Current per channel (max.) [A] | K | cd/mm ² | lm | b [mm] | l [mm] | h [mm] |
|--------------------|----------------|-----|---|--|--------------------|---|--------|--------|--------|
| SplitStar S32 CW | 4052899388024 | 300 | 5 | 6200 | 140 ¹⁾ | 20000 ¹⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBW | 4052899522985 | 277 | red 4 green 5 blue 5 white 5 | red 638 nm true green 524 nm deep blue 446 nm white 6200K | 70 ¹⁾ | red 1450 ¹⁾³⁾ green 2825 ¹⁾³⁾ blue 2100 ¹⁾³⁾ white 5000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |
| SplitStar S32 RGBA | tbd | 180 | converted amber 3 converted green 5 red 4 blue 5 | 2700–7000 | 70 ¹⁾ | 10000 ¹⁾³⁾ | 25.4 | 25.4 | 2.53 |

| Product name | Number of channels | R _a | Temperature control | Thermal resistance R _{th} (module) [K/W] | Operating temperature [°C] | Viewing angle [°] | Emitting area [mm ²] | | No. |
|--------------------|--------------------|----------------|---------------------|---|----------------------------|-------------------|----------------------------------|----|-----|
| SplitStar S32 CW | 2 | 70 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 1 |
| SplitStar S32 RGBW | 4 | – | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |
| SplitStar S32 RGBA | 4 | ≤93 | NTC | 0.05 ⁴⁾ | -25...120 ²⁾ | 180 | 6.9x6.7 | 18 | 2 |

1) Pulse mode operation
 2) NTC reading
 3) Not Planckian locus
 4) NTC to backplane

Product features

- Up to 20,000 lm (CW)¹⁾
- Up to 140 cd/mm² (CW)¹⁾
- Scalable design
- LED chips are wired in series circuits
- Electrically insulated
- Tunable white color temperature with high CRI from 2,700 to 7,000 K
- Customized versions on request

Product benefits

- Cutting-edge performance enables new generation of LED fixtures with superior light output
- Very high luminance, perfect for beam and spot lights
- Chips can be driven with standard voltage and current levels 5 A max. (SELV)
- Module is electrically insulated and can be mounted directly onto heat sink

Areas of application

- Entertainment
- Architectural lighting
- Theater lighting
- Professional lighting

See safety advice no. 7 on page 92

More information about the focus product

See SplitStar® S32 on pages 20/21






































Safety advices

- 1 Because of their high luminance, UV radiation and high internal pressure during operation, the lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Appropriate filters must ensure that UV radiation is reduced to a safe level. Mercury is released if the lamp breaks. Information on safety and handling can be found in the leaflet included with the lamp or in the operating instructions.
- 2 HSR® lamps are not suitable for hot restarts. Hot restarts may lead to lamp shattering.
- 3 Because of their high luminance, UV radiation and high internal pressure in both the hot and cold state, the lamps must only be operated in enclosed lamp casings specially constructed for the purpose. Always use the supplied protective jackets when handling these lamps. They may only be used as open lamps if appropriate safety measures are taken. More information can be found in the leaflet included with the lamp or the operating instructions.
- 4 Because of their high luminance, UV radiation (does not apply to HMI® UVS) and high internal pressure during operation, HMI® lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Appropriate filters must ensure that UV radiation of standard HMI® lamps is reduced to a safe level. Mercury is released if the lamp breaks. Information on safety and handling can be found in the leaflet included with the lamp or in the operating instructions.
- 5 To prevent personal injury or damage to property, halogen lamps may only be operated in suitable luminaires designed with suitable mechanisms (protective shields, grids etc.) to ensure that in the event of a lamp bursting no parts/shards can escape and that during operation no ultraviolet radiation can escape. The lamps emanate intense heat.
- 6 To prevent personal injury or damage to property, halogen lamps may only be operated in suitable luminaires designed with suitable mechanisms (cover panel etc.) to ensure that in the event of a lamp bursting no parts/shards can escape and that during operation no ultraviolet radiation can escape. Because of the heat produced, only heat-resistant lamp connections (holders) may be used.
- 7 SplitStar® S32 LED modules are intended for use by qualified personnel only. They emit possibly hazardous optical radiation. Observe precautions for handling electrostatic-sensitive devices. Do not touch the LED surface. To prevent personal injury or damage to property, SplitStar® S32 may only be operated with a sufficient cooling system and in compliance with maximum electrical specifications.

Symbols

Symbols for all chapters

| | | |
|---|---|---|
|  W Power in W |  h [mm] Height h in mm |  cd/cm² Average luminance |
|  V Voltage in V |  LCL a [mm] Light center length (LCL) in mm |  Lamp Reference Lamp reference |
|  A Current in A |  ° Beam angle in ° |  mm Arc length in mm |
|  K Color temperature in K |  Base Base |  A Current control range |
|  lm Luminous flux in lm |  t [h] Average period of use/life |  + Base anode |
|  cd Luminous intensity in cd |  Burning position Burning position |  - Base cathode |
|  d [mm] Diameter d in mm |  R_a Color rendering index |  ANSI ANSI code |
|  l [mm] Length l in mm |  Standard pack in pcs. Standard pack in pcs. |  LIF LIF code |
|  l₁ [mm] Length l ₁ in mm |  No. Fig. no. |  b x h [mm] Filament dimensions b x h in mm |
|  l₁ max. [mm] Length l ₁ max. in mm |  Energy efficiency class Energy efficiency class | |
|  l₂ [mm] Length l ₂ in mm |  kV START Ignition voltage in kV | |
|  l₂ max. [mm] Length l ₂ max. in mm |  g Weight in g | |
|  b [mm] Width b in mm |  e [mm] Electrode spacing e in mm | |

Glossary of the most important lighting terms

As with any technical or scientific discipline, lighting technology has its own special terms and concepts for defining the characteristics of lamps and fixtures and for standardizing the units of measurement.

The most important terms are described here.

Luminous flux Φ

Unit of measurement: lumen [lm]

Luminous flux Φ is all the radiated power emitted by a light source evaluated with the spectral sensitivity of the eye and the photometric radiation equivalent K_m .

Luminous intensity I

Unit of measurement: candela [cd]

Generally speaking, a light source emits its luminous flux Φ in different directions and at different intensities.

Luminous intensity is the luminous flux radiated in a particular direction (solid angle Ω).

Illuminance E

Unit of measurement: lux [lx]

Illuminance E is the ratio between the luminous flux and the area being illuminated.

An illuminance of 1 lx occurs when a luminous flux of 1 lm is evenly distributed over an area of 1 m².

Luminance L

Unit of measurement: candela per square meter [cd/m²]

The luminance L of a light source or an illuminated area is a measure of the impression of brightness.

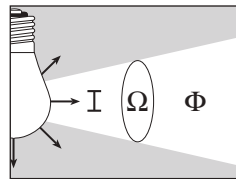
Luminous efficacy η

Unit of measurement: lumen per watt [lm/W]

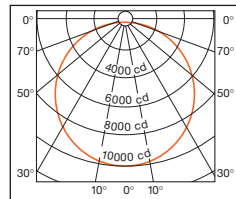
Luminous efficacy η indicates the efficiency with which the electrical power consumed is converted into light.

Light and radiation

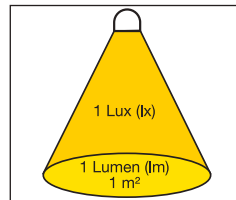
Light is taken to mean the electromagnetic radiation that the human eye perceives as brightness, in other words that part of the spectrum that can be seen. This is the radiation between 380 and 780 nm, a tiny fraction of the known spectrum of electromagnetic radiation.



Luminous intensity I is a measure of the luminous flux Φ emitted in a solid angle Ω .

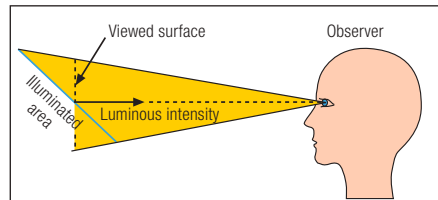


Polar diagram



Illuminance E

Luminance L



The most important photometric formulae:

| | |
|--------------------------------|---------------------------|
| Luminous intensity I [cd] | $I = \frac{\Phi}{\Omega}$ |
| Illuminance E [lx] | $E = \frac{\Phi}{A}$ |

| | |
|--|-------------------------|
| Luminous flux [lm] Solid angle Ω [sr] | $\Phi = I \cdot \Omega$ |
| Luminous flux falling on area [lm] Illuminated area [m ²] | $\Phi = E \cdot A$ |

| | |
|---------------------------------------|-------------------------|
| Luminance L [cd/m ²] | $L = \frac{I}{A}$ |
| Luminous efficacy η [lm/W] | $\eta = \frac{\Phi}{P}$ |

| | |
|---|-----------------------|
| Luminous intensity [cd] Viewed luminous area [m ²] | $I = L \cdot A$ |
| Generated luminous flux [lm] Electrical power consumed [W] | $\Phi = \eta \cdot P$ |

Color temperature

Unit of measurement: Kelvin [K]

The color temperature of a light source is defined in comparison with a “black body radiator” and plotted on what is known as the “Planckian curve”. The higher the temperature of this “black body radiator”, the greater the blue component in the spectrum and the smaller the red component. An incandescent lamp with a warm white light, for example, has a color temperature of 2,700 K, whereas a daylight fluorescent lamp has a color temperature of 6,000 K.

Light color

The light color of a lamp can be neatly defined in terms of color temperature. There are three main categories here:

- Warm White < 3,300 K
- Cool White 3,300–5,300 K
- Daylight > 5,300 K

Despite having the same light color, lamps may have very different color rendering properties owing to the spectral composition of their light.

Color rendering

As a rule, artificial light should enable the human eye to perceive colors correctly, as it would in natural daylight. Obviously, this depends to some extent on the location and purpose for which light is required.

The criterion here is the color rendering property of a light source. This is expressed as a “general color rendering index” (R_a).

The color rendering index is a measure of the correspondence between the color of an object (its “self-luminous color”) and its appearance under a reference light source. To determine the R_a values, eight test colors defined in accordance with DIN 6169 are illuminated with the reference light source and the light source under test. The smaller the discrepancy, the better the color rendering property of the lamp being tested.

A light source with an R_a value of 100 displays all colors exactly as they appear under the reference light source. The lower the R_a value, the worse the colors are rendered.

Luminaire efficiency

Luminaire efficiency (also known as light output ratio) is an important criterion in gauging the energy efficiency of a luminaire. This is the ratio between the luminous flux emitted by the luminaire and the luminous flux of the lamp (or lamps) installed in the luminaire.

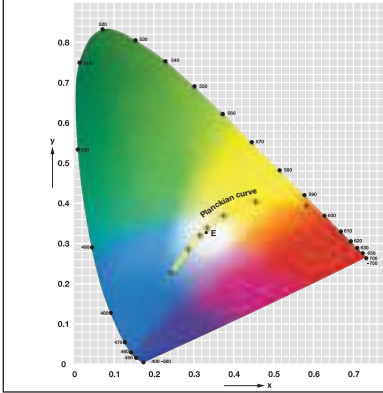
Average life

The average life of a lamp is an average of the lives of individual lamps operated under standard conditions (50 % failure = average rated life).

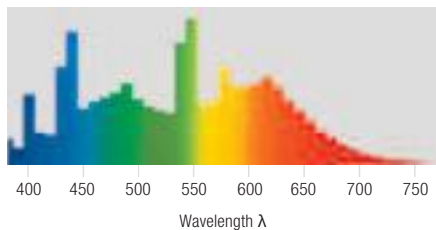
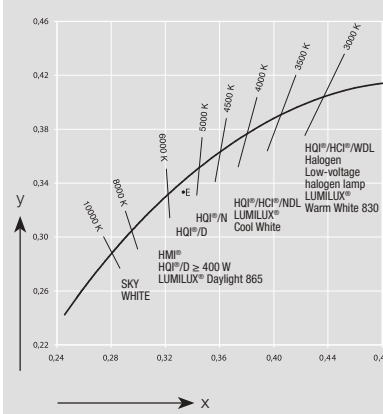
Service life

Service life is a simple practical measure of the economical life of a lamp. It is the number of hours of operation after which the system luminous flux (i.e. the product of the relative luminous flux and the relative proportion of lamps still in operation) is around 80 % of the initial value.

Chromaticity diagram according to DIN 5033

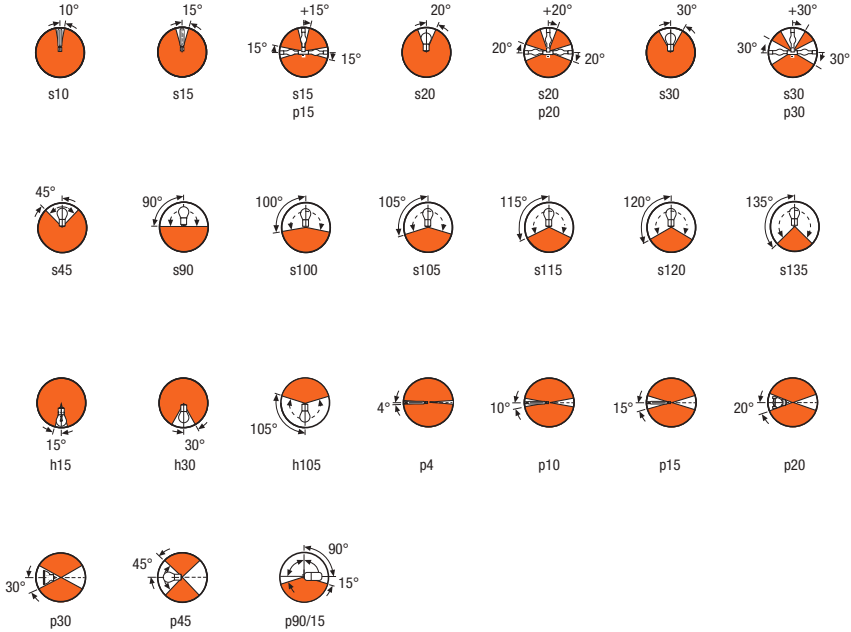


Extract from the chromaticity diagram showing the Planckian curve



Spectrum of a BIOLUX® fluorescent lamp. The radiation is very evenly distributed over the entire visible range.

Burning positions – schematic diagram



Lamps with flat filaments may only be inclined perpendicular to the filament plane.



The lamps must be installed only in the burning positions specified. Any other burning positions may lead to premature failure of the lamps.

Where:
 s = standing (base down)
 h = hanging (base up)
 p = horizontal (base at the side)
 Permitted angle: The number after the letter for the main burning position indicates the permitted angle of deviation from the main burning position in degrees.

Disposing of your lamps and luminaires

EU directive 2002/96/EC WEEE and its revision 2012/19 EU relate, among other things, to luminaires (with the exception of luminaires in households), fluorescent lamps, compact fluorescent lamps, discharge lamps including high-pressure sodium lamps, metal halide lamps and low-pressure sodium lamps. Since the start of 2010, LED lamps that can be operated in standardized holders are also affected by the directive, e.g. LED retrofit lamps or LED tubes. Starters, control gears and light-emitting diodes are classed as luminaire components and as such are part of the luminaire disposal process.

All OSRAM products that need to be disposed of under the WEEE directive are labeled with the symbol shown here.



Incandescent lamps and tungsten halogen lamps do not contain any substances that are harmful to the environment and can be thrown away with household waste.

In some countries, all manufacturers must register with their relevant national authority. Products from non-registered manufacturers may no longer be marketed.

In Germany, OSRAM is registered as a manufacturer in the "Elektro-Altgeräte-Register" [Old Electrical Equipment Register] (EAR) as number **DE 71568000**.

In addition, there are individual regulations governing the disposal of lamps and luminaires in the other member states of the EU and also in Norway and Switzerland. For more information, please contact the local OSRAM company.

The primary objectives of the WEEE directive are to reduce the load on the environment, safeguard valuable resources and protect the environment and public health.

All consumers (commercial and domestic) are obliged to return old lamps for separate disposal. Collection points have been set up for this. Consumers in Germany do not have to sort the old lamps by manufacturer or by product age. Lamps from private households and businesses (in volumes of normal household proportions) can be disposed of at local recycling centers or at Lightcycle collection points in retail shops. Large quantities of lamps can also be disposed of via the Lightcycle scheme. Search for collection points in Germany: www.sammelstellensuche.de.¹⁾

On behalf of lamp manufacturers, Lightcycle organizes the logistics processes for disposing of the lamps cost-effectively and environmentally friendly, both directly and at local recycling centers. Lightcycle bundles the volume to be transported and coordinates the collection logistics. You drop off your old lamps and Lightcycle does the rest.

Disposal of luminaires from commercial applications is also handled by Lightcycle. OSRAM is a contract partner of Lightcycle. Since 2010, luminaires can be disposed of directly throughout Germany at any one of 50 Lightcycle luminaire collection points. In addition to dropping off luminaires at collection points, luminaires can also be collected from wholesalers, installers, building sites or customers. There are basically no volume restrictions on collection jobs.

For large quantities, Lightcycle can set up an individual permanent collection point. You drop off your old luminaires and Lightcycle does the rest.

The latest information for Germany can be found on the Internet at: www.osram.de/WEEE
Lightcycle: www.lightcycle.de
German Ministry for the Environment, Nature and Reactor Safety: www.bmu.de
German Central Association of Electrical Engineering and the Electrical Industry: www.zvei.org

Stiftung Elektro-Altgeräte Register: www.stiftung-ear.de
German Environment Office: www.uba.de
European Lamp Companies Federation: www.elcfd.org

RoHS directive: 2002/95/EC Greatly reduced mercury content

Since July 1, 2006, this EU directive has prohibited the use of certain hazardous substances. The mercury content in some discharge lamps has been restricted. As a company committed to the protection of the environment, OSRAM is doing more than just meeting statutory requirements. Our objective is to reduce hazardous substances such as mercury to the absolute minimum needed and to promote the development, for example, of efficient mercury-free lighting systems. Because it promotes the use of new environmentally friendly technologies and materials, we comply with the RoHS directive (Restriction of Hazardous Substances) for the benefit of the environment and health.

¹⁾ Similar websites can be found in other countries

General information – standard packs

General

All OSRAM articles are EAN-coded in their various packaging formats. The EAN numbers listed in this catalog normally relate to the smallest packaging unit unless otherwise indicated.

Technical data is in accordance with DIN (German Industrial Standards) and IEC (International Electrotechnical Commission).

Unless otherwise indicated, all lamps are designed for a mains voltage of 230V.

Sales and shipments are based on the OSRAM Conditions of Supply and Payment valid on the contract date.

Technical data and dimensions are subject to the customary small tolerances.

Subject to technical modification and availability of supplies. The information in this catalog supersedes information in previous catalogs.

® = registered trademark

Standard packs

There is a surcharge on order quantities different from the standard pack quantities listed in this catalog because standard packs have to be broken open.

There are considerable advantages in ordering original cartons/standard packs:

- Prompt delivery
- No surcharges
- Simple cost-saving handling on receipt
- No time-consuming checks when the goods arrive
- Exact contents description on each stacked carton
- No danger of mistaking one type of lamp for another
- Reduced risk of losses in transit
- Reduced risk of breakage

Types not listed

Available on request. Surcharge for different bases and voltages.

CE labeling

Products that fall under the scope of the European directives on low voltage (LVD), electromagnetic compatibility (EMC), the eco-design of energy-related products (ErP and RoHS and its applicable implementation measures) must carry the CE label in order to be sold in the EU. The CE label indicates compliance with the principal requirements of these directives. Of course, all OSRAM products which are under the scope of the European directive meet the requirements of the relevant European directives and therefore carry the CE label.

Notes on CE labeling:

1. CE labeling as a requirement for marketing products in Europe

The CE label is applied to the product itself or to its type plate (minimum height of the label: 5mm). If this is not possible in certain circumstances, the label may be applied to the packaging, if any, and also to the accompanying paperwork.

The CE label is a requirement for sales within the EU and must therefore be applied before a product can be marketed. By applying the CE label to their products, manufacturers and importers are confirming that their products comply with the "basic requirements" of special European directives and ordinances and that they meet the stated objectives of the directives (electromagnetic compatibility, for example). As a rule, these "basic requirements" are met if the products were manufactured in compliance with the relevant ordinances and harmonized European standards.

2. The CE label is an administrative mark

The CE label is an administrative mark addressed to the national inspection agencies. The CE label indicates to these agencies that at the time of its marketing the labeled product complies with the European directives that apply to the product and require a CE label.

3. Neither retailers nor consumers have the right to inspect the conformity certificates of the manufacturers

The right to request and inspect conformity certificates is reserved exclusively for those market inspection agencies and customs responsible for checking that electrical and electronic products comply with statutory requirements. In Germany, these are the Bundesnetzagentur (Federal Network Agency, responsible in connection with the EMC directive), the Gewerbeaufsichtsämter (Trade Supervision Offices, responsible in connection with the low-voltage directive), the relevant authorities and the Bundesanstalt für Materialforschung und -Prüfung (Federal Agency for Material Research and Testing) as the commissioned agency (in connection with the ErP directive).

4. The CE label is not a seal of quality or an approval mark

CE labeling relates solely to compliance with the statutory "basic requirements" contained in certain directives and ordinances. It is therefore not an indicator of the quality of the product.

The product features required in the ordinances for implementing the ErP directive are verified by the manufacturers by means of type testing and confirmed with the CE label.

As an administrative label required by law, the CE label should not be confused with the approval marks (such as ENEC and VDE marks) issued by independent inspectorates. These inspectorates do not even check whether or not a product carries the CE label legitimately.

Overview by product name

| Product name | Product number | Pages | Product name | Product number | Pages |
|--------------------|----------------|--------|-----------------------------|----------------|--------|
| 4ArXS HSD 150 W/70 | 4008321625847 | 33, 88 | 64716 | 4008321623997 | 56, 76 |
| 4ArXS HSD 250 W/60 | 4008321625762 | 33, 88 | 64717 | 4008321624215 | 56, 76 |
| 4ArXS HSD 250 W/80 | 4008321625786 | 33, 88 | 64717 | 4008321624239 | 56, 76 |
| 4ArXS HSD 575 W/72 | 4008321625809 | 33, 88 | 64718 | 4008321624253 | 56, 76 |
| 64502 | 4052899080751 | 37, 81 | 64718 | 4008321624277 | 56, 76 |
| 64502 | 4052899080775 | 37, 81 | 64719 | 4008321638076 | 56, 76 |
| 64502C | 4052899363250 | 37, 81 | 64720 | 4008321638090 | 56, 76 |
| 64502C | 4052899363236 | 37, 81 | 64721 | 4008321638113 | 56, 76 |
| 64504 | 4052899101654 | 37, 81 | 64741 | 4050300209333 | 60, 80 |
| 64504 | 4052899101678 | 37, 81 | 64741 | 4050300283197 | 60, 80 |
| 64505 | 4008321746078 | 37, 81 | 64743 | 4008321225702 | 55, 75 |
| 64505 | 4008321746092 | 37, 81 | 64744 | 4008321554833 | 55, 75 |
| 64512 | 4008321746115 | 37, 81 | 64744 | 4008321554857 | 55, 75 |
| 64514 | 4008321746139 | 37, 81 | 64745 | 4008321468611 | 55, 75 |
| 64515 | 4008321746153 | 37, 81 | 64745 | 4008321468659 | 55, 75 |
| 64515 | 4008321746177 | 37, 81 | 64747 | 4008321468635 | 55, 75 |
| 64516 | 4008321746191 | 37, 81 | 64747 | 4008321468741 | 55, 75 |
| 64516 | 4008321746214 | 37, 81 | 64751 | 4050300214641 | 60, 80 |
| 64540 | 4052899158221 | 37, 81 | 64751 | 4050300283357 | 60, 80 |
| 64540 | 4052899158245 | 37, 81 | 64752 | 4008321624475 | 58, 78 |
| 64571 | 4050300014180 | 60, 80 | 64752 | 4008321624499 | 58, 78 |
| 64571 | 4050300283388 | 60, 80 | 64754 | 4008321624529 | 58, 78 |
| 64572 | 4008321325181 | 60, 80 | 64756 | 4008321624550 | 58, 78 |
| 64575 | 4008321098856 | 37, 81 | 64777 | 4008321632197 | 58, 78 |
| 64575 | 4008321098450 | 37, 81 | 64781 | 4050300229997 | 60, 80 |
| 64576 | 4008321099860 | 37, 81 | 64781 | 4050300283500 | 60, 80 |
| 64579 | 4050300014104 | 60, 80 | 64787 | 4008321653994 | 58, 78 |
| 64580 | 4050300006888 | 60, 80 | 64788 | 4008321632173 | 58, 78 |
| 64580 | 4050300283173 | 60, 80 | 64788 | 4008321632180 | 58, 78 |
| 64583 | 4050300249094 | 60, 80 | 64789 | 4008321654021 | 58, 78 |
| 64583 | 4050300411477 | 60, 80 | 64789 | 4008321654038 | 58, 78 |
| 64662 | 4052899015449 | 38, 82 | 64796 | 4008321653987 | 58, 78 |
| 64662 | 4052899144248 | 38, 82 | 64797 | 4052899129542 | 58, 78 |
| 64670 | 4008321624017 | 56, 76 | 64805 | 4052899129580 | 58, 78 |
| 64670 | 4008321624031 | 56, 76 | 64805 | 4052899129566 | 58, 78 |
| 64672 | 4008321098559 | 38, 82 | 64805 | 4052899129573 | 58, 78 |
| 64672 | 4008321098535 | 38, 82 | 64815 | 4050300780696 | 58, 78 |
| 64673 | 4052899015463 | 56, 76 | 64818 | 4008321792051 | 58, 78 |
| 64673 | 4052899015487 | 56, 76 | 93591 | 4050300481555 | 38, 82 |
| 64674 | 4052899015500 | 56, 76 | 93592 | 4050300481531 | 38, 82 |
| 64674 | 4052899015524 | 56, 76 | 93723 | 4008321370594 | 58, 78 |
| 64678 | 4008321624055 | 56, 76 | 93734 | 4050300350073 | 55, 75 |
| 64680 | 4008321098573 | 56, 76 | Baby SharXS HTI 250 W/D5/80 | 4008321129161 | 28 |
| 64680 | 4008321098597 | 56, 76 | Baby SharXS HTI 300 W/D5/57 | 4008321129185 | 28 |
| 64686 | 4052899158269 | 38, 82 | Baby SharXS HTI 300 W/D5/65 | 4008321129208 | 28 |
| 64686 | 4052899158283 | 38, 82 | Baby SharXS HTI 575 W/D5/56 | 4008321129345 | 28 |
| 64716 | 4008321623973 | 56, 76 | EMH 150W/SE/70 | 4008321345004 | 35 |

| Product name | Product number | Pages |
|--------------------|----------------|--------|
| EMH 250W/SE/80 | 4008321345028 | 35 |
| EMH 575W/DE/60 | 4008321345042 | 35 |
| EMH 575W/DE/75 | 4008321345066 | 35 |
| EMH 575W/SE/75 | 4008321345080 | 35 |
| EMH 1200W/DE/60 | 4008321345103 | 35 |
| HMI 575 W/DXS | 4008321285102 | 48, 70 |
| HMI 575W EVENT | 4052899301726 | 31 |
| HMI 1200 W/DXS | 4008321931153 | 48, 70 |
| HMI 1200W EVENT | 4052899301740 | 31 |
| HMI 2500 W/DXS | 4008321182197 | 48, 70 |
| HMI 2500 W/S XS | 4050300025780 | 48, 70 |
| HMI 4000 W/DXS | 4008321210203 | 48, 70 |
| HMI 6000 W/DXS | 4008321210210 | 48, 70 |
| HMI 12000 W/DXS | 4008321210227 | 48, 70 |
| HMI 18000 W/DXS | 4008321370280 | 48, 70 |
| HMI 24000 W/DXS | 4008321355805 | 48, 70 |
| HMI DIGITAL 200W | 4052899984158 | 44, 66 |
| HMI DIGITAL 400W | 4052899984165 | 44, 66 |
| HMI DIGITAL 575W | 4052899984172 | 44, 66 |
| HMI DIGITAL 800W | 4052899984189 | 44, 66 |
| HMI DIGITAL 1200W | 4052899984196 | 44, 66 |
| HMI DIGITAL 1600W | 4052899152687 | 44, 66 |
| HMI DIGITAL 1800W | 4052899984202 | 44, 66 |
| HMI DIGITAL 2500W | 4052899984295 | 44, 66 |
| HMI DIGITAL 4000W | 4052899984301 | 44, 66 |
| HMI DIGITAL 6000W | 4052899152670 | 44, 66 |
| HMI DIGITAL 9000W | 4052899152694 | 44, 66 |
| HMI DIGITAL 12000W | 4050300650418 | 44, 66 |
| HMI DIGITAL 18000W | 4008321098955 | 44, 66 |
| HMI STUDIO 200W | 4052899984356 | 46, 68 |
| HMI STUDIO 400W | 4052899984370 | 46, 68 |
| HMI STUDIO 575W | 4052899984394 | 46, 68 |
| HMI STUDIO 800W | 4052899984417 | 46, 68 |
| HMI STUDIO 1200W | 4052899984448 | 46, 68 |
| HMI STUDIO 1800W | 4052899984462 | 46, 68 |
| HPL 575/230 | 4050300461816 | 53, 73 |
| HPL 575/230/X | 4008321090102 | 53, 73 |
| HPL 575/240 | 4050300461830 | 53, 73 |
| HPL 575/240/X | 4008321174444 | 53, 73 |
| HPL 750/230 | 4050300654201 | 53, 73 |
| HPL 750/230/X | 4008321090324 | 53, 73 |
| HPL 750/240/X | 4050300654225 | 53, 73 |
| HPL 750/240/X | 4008321174468 | 53, 73 |
| HSR 400/60 | 4008321631503 | 34 |
| HSR 575/60 | 4008321625885 | 34 |
| HSR 575/72 | 4008321662583 | 34 |
| HTI 150 W | 4050300301402 | 29 |
| HTI 152 W | 4050300461519 | 29 |
| HTI 705 W/SE XS | 4050300618074 | 29 |
| HTI 1200 W/SE XS | 4050300371153 | 29 |
| HTI 2500 W/SE XS | 4050300371146 | 29 |
| HTI 4000 W/DE | 4050300519845 | 30 |

| Product name | Product number | Pages |
|-------------------------------|----------------|----------------|
| Lok-it! 1000/PS | 4052899965157 | 24, 50, 72 |
| Lok-it! 1000/PS Blue | 4052899965171 | 24, 50, 72 |
| Lok-it! 1000/PS Brilliant | 4052899965164 | 24, 50, 72 |
| Lok-it! 1200W 80W/32/P50 | 4008321382795 | 36, 52 |
| Lok-it! 1200W 240V/32/P50 | 4052899245419 | 36, 52 |
| Lok-it! 1400/PS Brilliant | 4052899965195 | 24, 50, 72 |
| Lok-it! 1700/PS | 4052899965201 | 24, 50, 72 |
| Lok-it! HSD 300 W/80/P28 | 4008321644831 | 88 |
| Lok-it! HTI 400 W/60/P28 | 4008321605481 | 24, 50, 72 |
| Lok-it! HTI 700 W/60/P28 | 4052899179790 | 24, 50, 72 |
| Lok-it! HTI 700 W/75/P28 | 4008321510549 | 24, 50, 72 |
| Lok-it! 1200W 80W/75/P50 | 4008321485205 | 24, 50, 72 |
| Lok-it! HTI 1500 W/60/P50 | 4008321553416 | 24, 50, 72 |
| Lok-it! HTI 1500 W/60/P50 M3W | 4008321818997 | 24, 50, 72 |
| Maxi SharXS HTI 2000 W/D10/60 | 4008321334947 | 27 |
| PAR56 WFL | 4008321362209 | 39, 54, 83 |
| QXL 750 W 77 V | 4008321090218 | 74 |
| SharXS HTI 400 W/D3/75 | 4008321285157 | 26 |
| SharXS HTI 700 W/D4/60 | 4008321285218 | 26 |
| SharXS HTI 700 W/D4/75 | 4008321485232 | 26 |
| SharXS HTI 1200 W/D7/60 | 4008321285256 | 26 |
| SharXS HTI 1200 W/D7/75 | 4008321285270 | 26 |
| SharXS HTI 1500 W/D7/60 | 4008321285294 | 26 |
| SharXS HTI 1500 W/D7/75 | 4008321510525 | 26 |
| SIRIUS HRI 100W | 4052899329119 | 25, 51 |
| SIRIUS HRI 132W | 4052899028708 | 25, 51 |
| SIRIUS HRI 140W RO | 4052899259899 | 25, 51 |
| SIRIUS HRI 190W + | 4008321866592 | 25, 51 |
| SIRIUS HRI 230W | 4008321810311 | 25, 51 |
| SIRIUS HRI 280W | 4008321810342 | 25, 51 |
| SIRIUS HRI 280W RO | 4052899110397 | 25, 51 |
| SIRIUS HRI 330W | 4008321810373 | 25, 51 |
| SIRIUS HRI 330W X8 | 4052899140295 | 25, 51 |
| SIRIUS HRI 330W XL | 4052899195431 | 25, 51 |
| SIRIUS HRI 440W | 4052899259096 | 25, 51 |
| SIRIUS HRI 440W S | 4052899329140 | 25, 51 |
| SplitStar S32 cold white | 4052899388024 | 40, 62, 85, 90 |
| SplitStar S32 RGBW | 4052899522985 | 40, 62, 85, 90 |
| STUDIOLINE 55 W/3200 K | 4050300575292 | 61, 84 |
| STUDIOLINE 55 W/5600 K | 4050300575278 | 61, 84 |
| Xstage 2000 W OFR | 4008321288820 | 32, 89 |
| Xstage 3000 W OFR | 4008321288837 | 32, 89 |
| Xstage 4000 W OFR | 4008321288844 | 32, 89 |
| Xstage 7000 W OFR | 4008321288851 | 32, 89 |

Service

Thank you for your interest in OSRAM entertainment products. Here are some resources you can use to learn more about OSRAM.



Product information

You can get in-depth information about all of our entertainment applications and products at

www.osram.com/entertainment-lamps.

Save us in your favorites to ensure you have product details, contact addresses and other tools and services at all times if you ever need information or support.

Contact

Visit the contact page to talk to someone about purchasing lamps or get in touch with OSRAM's customer service department.

<https://www.osram.com/corporate/home/services/contact/index.jsp>

Distributors

Locate a specialty lamps dealer in your area.

www.osram.com/distributorsearch-do

Tools

HMI® light data tool

Make use of our HMI® light data tool – it will enable you to find out about the lamp specifications of the lamps that you've purchased. Simply type in the burner code of each HMI® lamp and find out about its specific light data. The code can be found on each burner inside the lamp bulb.

www.osram.com/hmilightdata



Entertainment lamp replacement tool

OSRAM lamps are compatible with entertainment fixtures from all major manufacturers. To find an ideal match for your moving head, select the brand, followed by the model. The replacement tool generates a list of OSRAM lamps well-suited to your fixture and gives you the option of exploring product details.

www.osram.com/lamp-replacement-entertainment



SIRIUS HRI®: Verify the authenticity of your product

At OSRAM, we aim to always provide products of highest quality and maximum satisfaction for our customers who choose to buy original OSRAM lamps. OSRAM monitors all quality and performance aspects of its products as carefully as possible, because only an original OSRAM product performs like an OSRAM original. And you wouldn't settle for anything less, would you?

To check if you've purchased a genuine OSRAM SIRIUS HRI® lamp, simply enter the unique serial code which you can find on the label on the reflector.

www.osram.com/trust-sirius



Connect with us

Join our online community to talk to OSRAM employees and other lighting professionals worldwide. You can find us on:



/osram



/osramCOM



/user/osram

Newsletter

Do you want to be regularly informed about the latest in lighting technology? Please register with our newsletter portal and subscribe to exciting information from OSRAM. After entering your e-mail address, you can register and let us know what you are interested in. Do you already have a profile? Then you have the option of updating your personal data here as well. Make use of this information head start and register with our free newsletter service!

Send an e-mail to contact@osram.com.

Best regards from Munich and Berlin,
Your OSRAM Entertainment Lighting team

OSRAM GmbH

Head office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

Partner:



OSRAM