



**NEW!**

#### Your benefits

- Energy saving of up to 75 % \*
- Ten times higher luminous intensity (2,000 cd/W) \*
- Flexible use in a wide range of applications
- Compact design
- High vibration resistance
- Long lifetime of up to 30,000 hours
- Low maintenance costs
- Various light colors: white, red, blue and green
- Two different reflectors (6° and 10°)

\* Compared to conventional halogen lighting.



## KREIOS® R

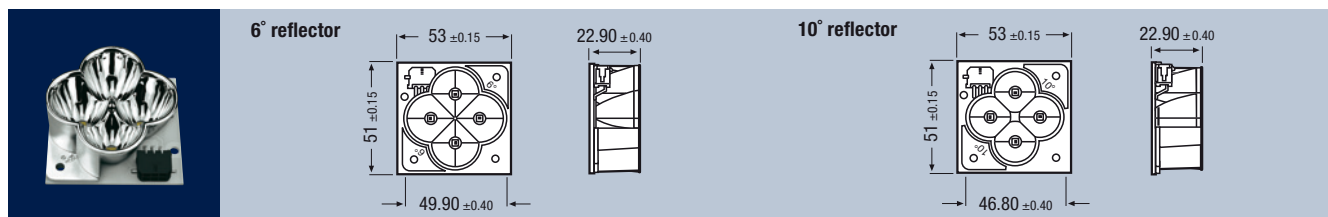
The versatile LED module for entertainment lighting:  
energy-efficient, robust and durable.

SEE THE WORLD IN A NEW LIGHT

**OSRAM**



## TECHNICAL DATA



| Product reference | LED color   | Wattage (W) | Average life <sup>1)</sup> (h) | Axial luminous intensity <sup>2)</sup> (kcd) | Beam angle | Color temp. (K) | Peak wavelength (nm) | Nominal current (A) | Nominal voltage (V) | Length (mm) | Height (mm) | Width (mm) |
|-------------------|-------------|-------------|--------------------------------|--|------------|-----------------|----------------------|---------------------|---------------------|-------------|-------------|------------|
| <b>KREIOS® R</b>  |             |             |                                |  |            |                 |                      |                     |                     |             |             |            |
| KREIOS R/UW/6     | ultra white | 19.6        | 30000                          | ~35  | 6°         | ~6000           | –                    | 1.4                 | 14                  | 53          | 22.9        | 51         |
| KREIOS R/A/6      | amber       | 14          | 30000                          | ~19  | 6°         | –               | 616                  | 1.4                 | 10                  | 53          | 22.9        | 51         |
| KREIOS R/B/6      | blue        | 19.6        | 30000                          | ~7   | 6°         | –               | 466                  | 1.4                 | 14                  | 53          | 22.9        | 51         |
| KREIOS R/G/6      | green       | 19.6        | 30000                          | ~30  | 6°         | –               | 528                  | 1.4                 | 14                  | 53          | 22.9        | 51         |
| KREIOS R/UW/10    | ultra white | 19.6        | 30000                          | ~20  | 10°        | ~6000           | –                    | 1.4                 | 14                  | 53          | 22.9        | 51         |
| KREIOS R/A/10     | amber       | 14          | 30000                          | ~10  | 10°        | –               | 616                  | 1.4                 | 10                  | 53          | 22.9        | 51         |
| KREIOS R/B/10     | blue        | 19.6        | 30000                          | ~3.5   | 10°        | –               | 466                  | 1.4                 | 14                  | 53          | 22.9        | 51         |
| KREIOS R/G/10     | green       | 19.6        | 30000                          | ~16  | 10°        | –               | 528                  | 1.4                 | 14                  | 53          | 22.9        | 51         |

1) Up to 3 years of continuous use, depending on thermal environment.

2) Simulation and prototyping measurement results.

Until recently, professionals tended to use halogen lamps for the lighting design of spectacular stage shows or buildings. With KREIOS® R, OSRAM now offers a particularly energy-efficient, durable and robust alternative. The compact module can be easily integrated into different luminaires and is available in the light colors white, red, blue and green. It therefore does not require colored filters like conventional lamps. Moreover, users can also choose between two different reflectors (6° and 10°). Thanks to the optimized reflector design and four highly efficient LEDs, KREIOS® R is able to impress with its very high axial luminous intensity in a wide range of applications. Its robust design allows the module to perform reliably even in extreme conditions such as strong vibrations during concerts.

A particular hallmark of KREIOS® R is its energy efficiency. With 2,000 cd/W, the white version of KREIOS® R reaches a ten times higher intensity than a comparable halogen solution (approx. 200 cd/W). A 300 W narrow-spot halogen reflector lamp (68 kcd), for example, can be replaced by only two KREIOS® R modules with a total of 38 W (76 kcd). This results in further saving potentials. In addition, the application of the module leads to lower operating costs, especially in areas that are difficult to reach (such as high ceilings), because it can be used continuously for up to three years. In terms of durability, KREIOS® R is far superior to other lamps: while halogen lamps generally last 3,000 hours, KREIOS® R has an average service life of up to 30,000 hours.

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