

# Light is brilliant SOLERIQ<sup>®</sup> S family

Superior light quality with high CRI,  
Brilliant White and Brilliant Color solutions

Light is OSRAM

**OSRAM**  
Opto Semiconductors

# SOLERIQ® S Portfolio Overview at a Glance –

SOLERIQ® S is OSRAM Opto Semiconductors’ state-of-the-art easy to use Chip-on-Board family specifically designed for professional lighting applications. The “Brilliant White” and “Brilliant Color” versions extend the CoB portfolio by offering superior light quality solutions. “Brilliant White” delivers more natural white appearance while “Brilliant Color” offers natural white plus an enhancement in illuminating colored objects. The new CRI 97 series and the high efficacy products complements the CoB line-up.

## SOLERIQ® S 9, S 13, S 15, S 19

**Full portfolio, strong performance, superb color quality**  
 SOLERIQ® S is specifically designed for applications requiring large flux packages from a compact light emitting area. With a comprehensive list of accessories ranging from connectors to lenses and reflectors, SOLERIQ® S is easy for lighting manufacturers to use. With a light emitting surface (LES) of  $\phi$ 9.8 mm,  $\phi$ 13.0 mm,  $\phi$ 14.5 mm or  $\phi$ 19.0 mm, the SOLERIQ® platform increases the flexibility for various designs, supports LED interchangeability and even enables Zhaga standard designs for LES 9, 13 and 19.

## SOLERIQ® S Brilliant White and Brilliant Color

The SOLERIQ® S “Brilliant White” range offers pure, clean and clear white light, free of greenish or yellowish tints – white just appears whiter. The SOLERIQ® S “Brilliant Color” range offers the same appearance of natural white and also enhances the appearance of colored objects – with more saturated and distinct colors, better color discrimination and clarity, an effect well-known from HID lamps.

## SOLERIQ® S – high CRI 97, high efficacy CRI 80 and CRI 90

Premium color rendering offers superior performance for high-end interior applications.





### Features SOLERIQ® S 9

- Package size of 13.5 mm × 13.5 mm × 1.4 mm
- Light emitting surface of (LES):  $\phi$  9.8 mm
- Excellent color reproduction with CRI min. 80, 85, 90, 97 (typ.)
- Full range of color temperatures: 2,700 K–6,500 K
- Available in various power classes (7 W, 10 W, 14 W)



### Features SOLERIQ® S 13

- Package size of 19.0 mm × 19.0 mm × 1.4 mm
- Light emitting surface of (LES):  $\phi$  13.0 mm, enables Zhaga standard design
- Excellent color reproduction with CRI min. 70, 80, 85, 90, 97 (typ.)
- Full range of color temperatures: 2,700 K–6,500 K
- Available in various power classes (7 W, 10 W, 17 W, 21 W, 24 W)

SOLERIQ® S 9					
Typ. Voltage	36 V				
CRI	80	90	97 Typ.	 Brilliant White CRI 90	 Brilliant Color CRI 85
7 W	GW KAFGB5.EM	GW KAFGB5.CM	GW KAFGB5.BM		GW KAFGB3.DM
10 W	GW KAFHB5.EM	GW KAFHB5.CM	GW KAFHB5.BM		
14 W	GW KAFJB5.EM	GW KAFJB5.CM	GW KAFJB5.BM	GW KAFJB3.CM	GW KAFJB3.DM
17 W					
21 W					
24 W					
28 W					
38 W					

SOLERIQ® S 13				
36 V				
	70	80	90	97 Typ.
		GW KAGGB3.EM	GW KAGGB3.CM	
		GW KAGHB3.EM	GW KAGHB3.CM	
		GW KAGJB3.EM	GW KAGJB3.CM	GW KAGJB5.BM
GW KAGLB3.PM	GW KAGLB3.EM	GW KAGLB3.CM	GW KAGLB3.CM	GW KAGLB5.BM
GW KAGMB3.PM	GW KAGMB3.EM	GW KAGMB3.CM	GW KAGMB3.CM	GW KAGMB5.BM

# Power Ratings and CRI

## General features

- Single light source from a compact area offering premium color rendering with superior performance for high-end interior application
- Uniform illumination without multi shadows due to uniform light emitting surface
- Industry leading LM-80 report meeting DLC Premium top tier, producing very stable brightness over lifetime
- Superior over-driving capabilities, extending lumen output performance
- Superior Color over Angle (CoA)
- Easy to install with off-the-shelf solderless connectors and lenses

## Applications

- Professional spotlighting, e.g. in shops or museums
- High end home lighting, e.g. spotlights or downlights
- Outdoor lighting



Brilliant White and high CRI 97: Museums and Shops



Brilliant Color: Supermarkets, Shops, High-end Retail



Special Colors: Food Stores and Restaurants



### Features SOLERIQ® S 15

- Package size of 19.0 mm × 19.0 mm × 1.4 mm
- Light emitting surface of (LES):  $\phi$  14.5 mm
- CRI min. 80, 90
- CCT 2,700 K–4,000 K
- Available power classes (17 W, 21 W, 28 W)





### Features SOLERIQ® S 19

- Package size of 24.0 mm × 24.0 mm × 1.4 mm
- Light emitting surface of (LES):  $\phi$  19.0 mm, enables Zhaga standard design
- Excellent color reproduction with CRI min. 70, 80, 85, 90
- Full range of color temperatures: 2,700 K–6,500 K
- Available in various power classes (24 W, 38 W, 53 W)

SOLERIQ® S 15	
36 V	
 Brilliant White CRI 90	 Brilliant Color CRI 85
GW KAGJB3.CM	GW KAGJB3.DM
GW KAGLB3.CM	GW KAGLB3.DM
GW KAGMB3.CM	GW KAGMB3.DM

SOLERIQ® S 15	
36 V	
80	90
GW KAGJB5.EM	GW KAGJB5.CM
GW KAGLB5.EM	GW KAGLB5.CM
GW KAGMB5.EM	GW KAGMB5.CM

SOLERIQ® S 19			
36 V			
70	80	 Brilliant White CRI 90	 Brilliant Color CRI 85
GW KAHLB2.PM	GW KAHLB2.EM	GW KAHLB2.CM	
			GW KAHLB2.DM
GW KAHQB2.PM	GW KAHQB2.EM		



**SOLERIQ® S on the Internet:**  
[www.osram-os.com/solerialq-s](http://www.osram-os.com/solerialq-s)

For further information on the available products please visit our product catalog at [www.osram.com/general-lighting](http://www.osram.com/general-lighting)

**LED Light for you Network**  
[www.ledlightforyou.com](http://www.ledlightforyou.com)



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