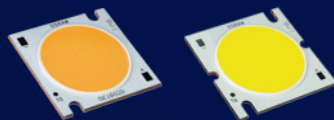


SOLERIQ® E

Makes lighting easy

OSRAM Opto Semiconductors' new SOLERIQ® E is a remarkably easy-to-use Chip-on-Board LED with excellent luminous efficacy. Available in all major color temperatures from 2700 K up to 6500 K, the high flux packages are ideal for downlights from 1500 lm up to 4500 lm. See for yourself how SOLERIQ® E makes lighting easy!



OSRAM
Opto Semiconductors



Office lighting



Hospitality lighting

Advantages

Easy to use

SOLERIQ® E is a new product family of Chip-on-Board LEDs with high luminous efficacy. These new LEDs are specifically designed for applications with high temperature operating conditions. As a single component with the highest luminous flux, and no SMT assembly required, it is much easier to use for lighting manufacturers.

Perfect choice for all color temperatures

SOLERIQ® E is available in a broad range of color temperatures enabling unlimited luminaire designs for applications around the globe. This new LED package delivers excellent color consistency within a 4-step MacAdam's ellipse. These properties make the SOLERIQ® E a highly efficient solution, especially in the world of indoor lighting.

SOLERIQ® E 30

- Package size of 30.0 mm x 30.0 mm x 1.7 mm
- Lumen package: 2640 lm @ 4000 K, 600 mA & Ts = 85°C
- High efficacy: 103 lm/W @ 4000 K, 600 mA & Ts = 85°C
- Light-emitting surface: 23 mm

SOLERIQ® E 45

- Package size of 36.0 mm x 36.0 mm x 1.7 mm
- Lumen package: 3960 lm @ 4000 K, 880 mA & Ts = 85°C
- High efficacy: 102 lm/W @ 4000 K, 880 mA & Ts = 85°C
- Light-emitting surface: 27.3 mm

Features of all types

- Color consistency within 4-step MacAdam
- Easy-to-use metal core board
- Stable brightness over lifetime
- Excellent color reproduction with CRI > 80
- Full range of color temperatures

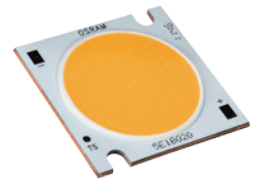
Applications of all types

The SOLERIQ® E is especially made for downlight solutions in the following fields of application:

- Homes
- Shops
- Offices
- Industries
- Hospitality

SOLERIQ® E 30

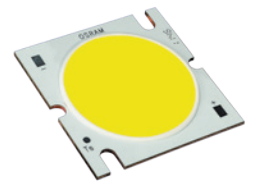
Type	Color	CCT	Typ. CRI	Typ. Luminous Flux @ 600 mA & Ts = 25°C	Typ. Luminous Flux @ 600 mA & Ts = 85°C
GW KAJRB2.EM	warm white	2700 K	82	2580 lm	2270 lm
GW KAJRB2.EM	warm white	3000 K	84	2770 lm	2440 lm
GW KAJRB2.EM	neutral white	4000 K	85	3000 lm	2640 lm
GW KAJRB2.EM	neutral white	5000 K	85	3040 lm	2675 lm
GW KAJRB2.EM	cool white	5700 K	84	3095 lm	2725 lm
GW KAJRB2.EM	cool white	6500 K	84	3080 lm	2710 lm



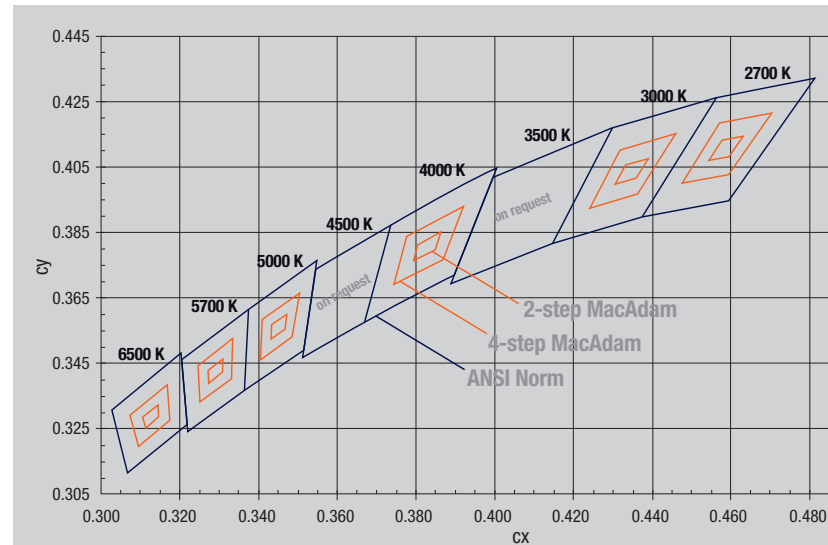
2700 K

SOLERIQ® E 45

Type	Color	CCT	Typ. CRI	Typ. Luminous Flux @ 880 mA & Ts = 25°C	Typ. Luminous Flux @ 880 mA & Ts = 85°C
GW KALRB3.EM	warm white	2700 K	82	3870 lm	3405 lm
GW KALRB3.EM	warm white	3000 K	84	4160 lm	3660 lm
GW KALRB3.EM	neutral white	4000 K	85	4500 lm	3960 lm
GW KALRB3.EM	neutral white	5000 K	85	4560 lm	4010 lm
GW KALRB3.EM	cool white	5700 K	84	4640 lm	4085 lm
GW KALRB3.EM	cool white	6500 K	84	4620 lm	4065 lm



6500 K



Binning for SOLERIQ® E

Binning for the SOLERIQ® E simplifies the design of luminaires. The maximum color deviation defined by this binning corresponds to what is most commonly required by customers and most widely used in today's lighting applications: A 4-step MacAdam's ellipse. For projects with the highest demand for color consistency a premium selection corresponding to 2-step MacAdam is available as well.

SOLERIQ® E on the Internet:

www.osram-os.com/solerialq

For further information on the available products please visit our product catalog at <http://catalog.osram-os.com>

More information about LED in General Lighting:

LED Light Site

ledlight.osram-os.com

LED Light for you Network

www.ledlightforyou.com



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