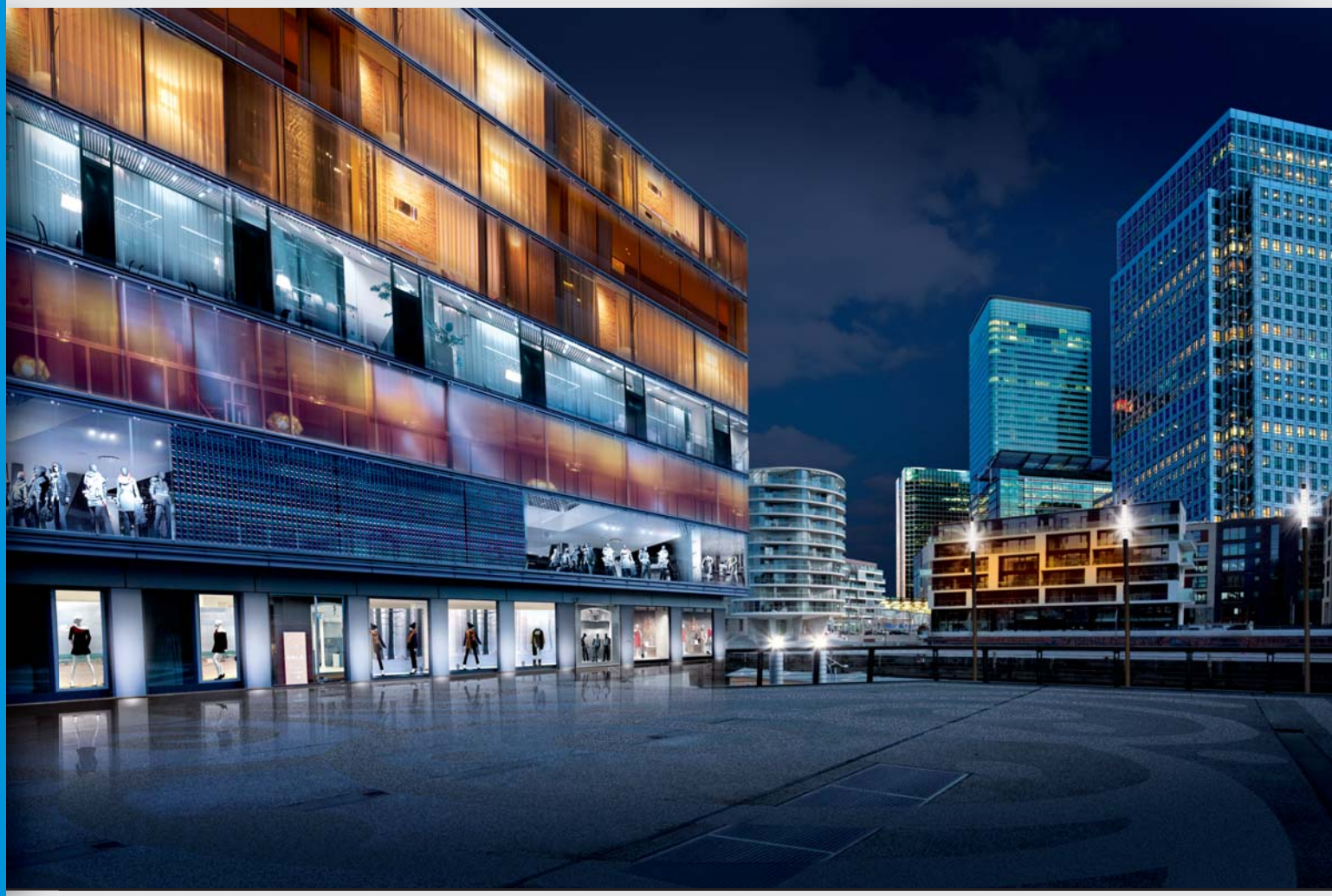
Committed to excellence

RUTRONIK
ELECTRONICS WORLDWIDE

OSRAM Lighting LED Packages ex Stock at RUTRONIK



OSRAM
Opto Semiconductors

SOLERIQ® Family | DURIS® Family

Check Stock Availability Now!

Committed to excellence

Consult – Know-how. Built-in.
The technical competence from RUTRONIK

Worldwide and individual consulting on the spot: by competent sales staff, application engineers and product specialists.

Components – Variety. Built-in.
The product portfolio from RUTRONIK

Wide product range of semiconductors, passive and electromechanical components, storage, displays & boards and wireless technologies for optimum coverage of your needs.

Logistics – Reliability. Built-in.
The delivery service from RUTRONIK

Innovative and flexible solutions: from supply chain management to individual logistics systems.

Quality – Security. Built-in.
Quality management without compromise from RUTRONIK

The integrated management system (IMS) encompasses quality control, environmental protection and occupational health and safety.

Our Product Portfolio

- Semiconductors
- Displays & Boards
- Passive Components
- Storage Technologies
- Electromechanical Components
- Wireless Technologies

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OSRAM Lighting LEDs

Do not miss out on the benefits of RUTRONIK / OSRAM Solid State Lighting LED Stock Packages at competitive prices!
Midpower and Highpower products available ex stock at RUTRONIK.

Please check further details on the following pages and on
www.rutronik24.com | www.rutronik-tec.com

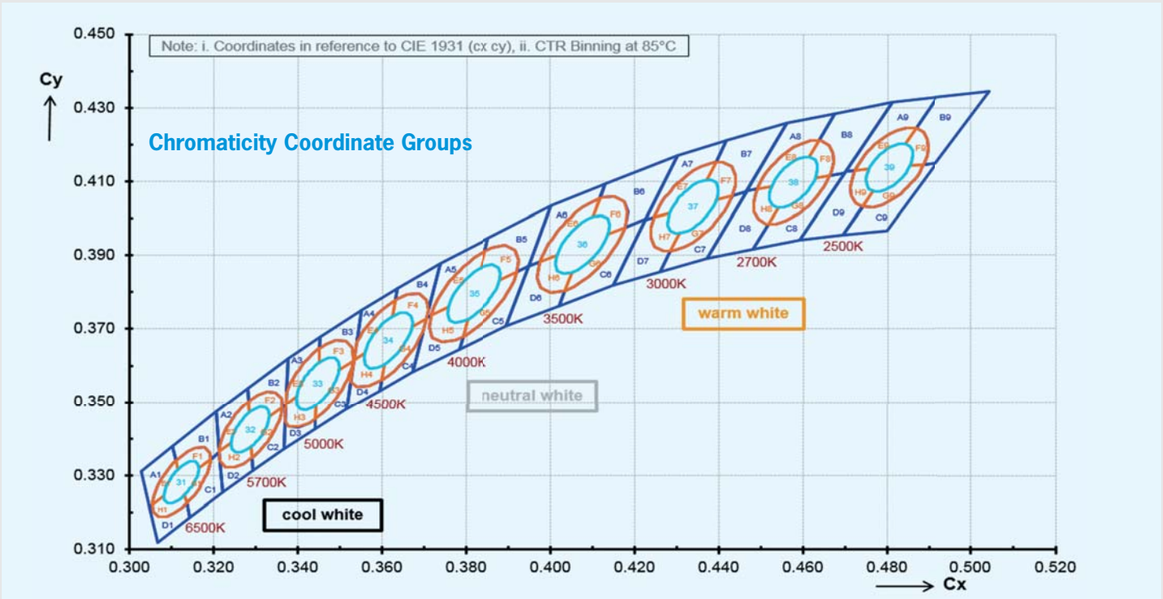
New OSRAM White Hybrid Binning

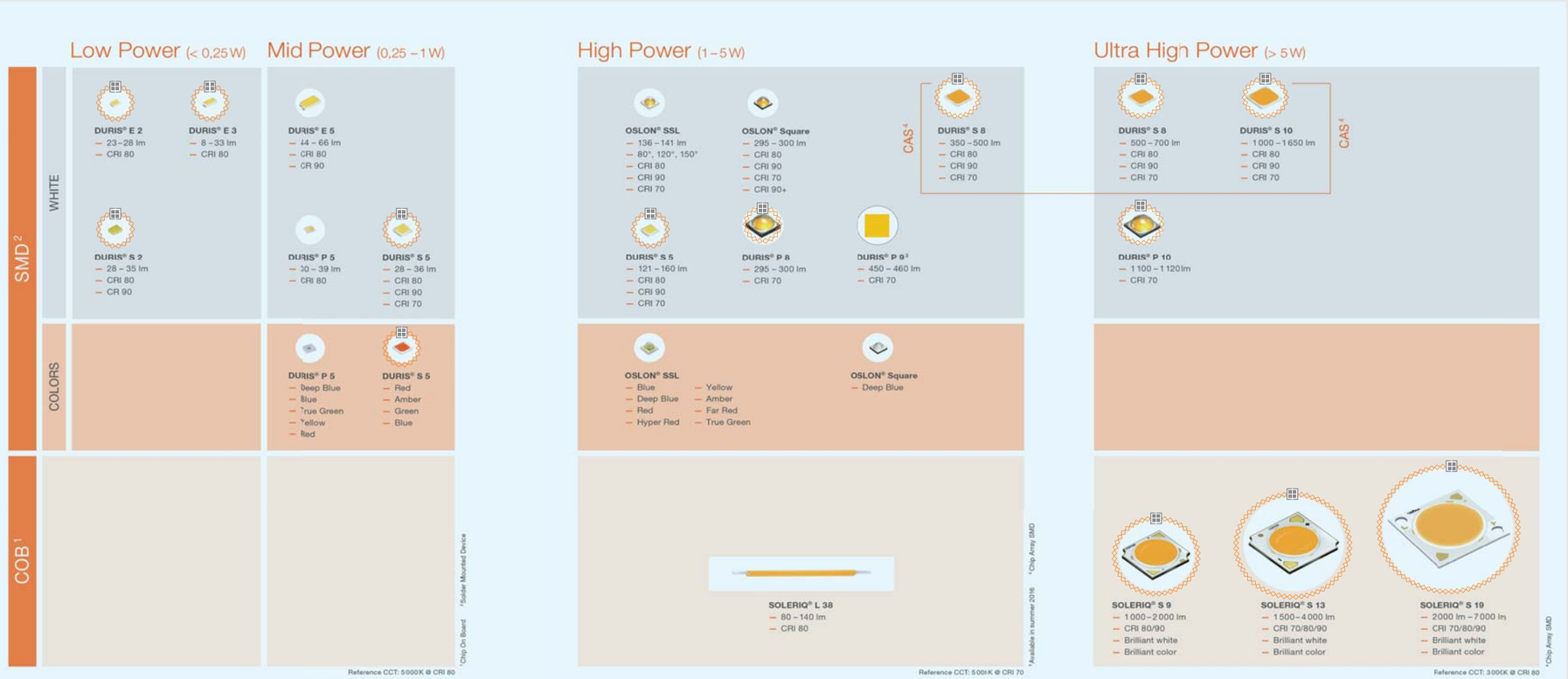
OSRAM offers 3 different binning options for the SSL products:

ANSI bin
=> Dark blue coordinates

5 Step McAdams Binning
=> Orange circle

3 Step McAdams Binning
=> Inner light blue circle





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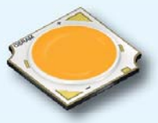
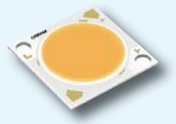


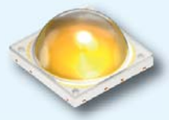
SOLERIQ® S 9



SOELRIQ® S 19

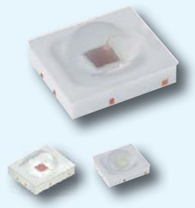
SOLERIQ® S 13

DURIS® S 8



DURIS® P 10

DURIS® S 10



DURIS® P 5

DURIS® S 5

SOLERIQ® Family

High- and ultra high-power state-of-the-art LEDs. Simple installation. Ideal for indoor lighting and spotlight applications.

More information about data sheets, prices & detailed specifications:
www.rutronik24.com/search-result/qs:osramstockled

DURIS® Family

Product versions in all power ranges. Perfect mix of efficiency and flexibility. Setting new standards in homogeneity, colors and compactness. Ideal for lighting applications requiring a homogeneous distributed light source, like fluorescent tube replacements or strip lights.

SOLERIQ® S Series

SOLERIQ® S is OSRAM Opto Semiconductors' state-of-the-art easy to use Chip-on-Board family specifically designed for spotlight applications. The new Brilliant White and Brilliant Color versions extend the COB portfolio by offering superior light quality solutions. Brilliant White delivers more natural white appearance and Brilliant Color offers an even better color rendering compared to high CRI solutions. In addition to the well known SOLERIQ® S 13 and S 19, the new SOLERIQ® S 9 complements the portfolio with a compact sized COB.

Product	Type	Typ. Rth JS el (K/W)	CCT (K)	MacAdam	CRI min.	CRI typ.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning Current (mA)	Typ. Binning Temp. (°C)	Typ. Binning Voltage (V)	Viewing angle at 50 % IV	Footprint (mm)
SOLERIQ® S 9	GW KAFGB3.EM	1.1	2700-6500	3 SDCM	80	83	958	138	460	200	85	34.7	120	13.5 x 13.5
	GWKAFGB3.CM	1.0	2700-4000	3 SDCM	90	-	708	102	460	200	85	34.7	120	13.5 x 13.5
	GWKAFGB3.DM	1.0	3250	3 SDCM	85	-	677	98	460	200	85	34.7	120	13.5 x 13.5
	GW KAFHB3.EM	0.8	2700-6500	3 SDCM	80	83	1392	134	690	300	85	34.7	120	13.5 x 13.5
	GWKAFHB3.CM	1.0	2700-4000	3 SDCM	90	-	1035	99	690	300	85	34.7	120	13.5 x 13.5
	GW KAFJB3.EM	0.5	2700-6500	3 SDCM	80	83	1812	131	920	400	85	34.7	120	13.5 x 13.5
	GWKAFJB3.CM[1)]	0.5	2700-4000	3 SDCM	90	-	1340	97	920	400	85	34.7	120	13.5 x 13.5
	GWKAFJB3.DM	0.5	3250	3 SDCM	85	-	1250	90	920	400	85	34.7	120	13.5 x 13.5
SOLERIQ® S 13	GW KAGGB3.EM	1.1	2700 - 6500	3 SDCM	80	83	962	140	460	200	85	34.7	120	19 x 19
	GW KAGGB3.CM	1.1	2700-4000	3 SDCM	90	-	710	102	460	200	85	34.7	120	19 x 19
	GW KAGHB3.EM	0.9	2700 - 6500	3 SDCM	80	83	1415	136	690	300	85	34.7	120	19 x 19
	GWKAGHB3.CM	0.7	2700-4000	3 SDCM	90	-	1050	101	690	300	85	34.7	120	19 x 19
	GW KAGJB3.EM	0.5	2700 - 6500	3 SDCM	80	83	2325	134	1150	500	85	34.7	120	19 x 19
	GWKAGJB3.CM[1)]	0.8	2700-4000	3 SDCM	90	-	1733	100	1150	500	85	34.7	120	19 x 19
	GWKAGJB3.DM	0.5	3250	3 SDCM	85	-	1250	90	920	400	85	34.7	120	19 x 19
	GW KAGLB3.EM	0.4	2700 - 6500	3 SDCM	80	83	2735	132	1380	600	85	34.7	120	19 x 19
	GWKAGLB3.CM[2)]	0.4	2700-4000	3 SDCM	90	-	2077	100	1380	600	85	34.7	120	19 x 19
	GWKAGLB3.DM	0.4	3250	3 SDCM	85	-	1910	92	1380	600	85	34.7	120	19 x 19
	GW KAGMB3.EM	0.3	2700 - 6500	3 SDCM	80	83	3205	132	1610	700	85	34.7	120	19 x 19
	GWKAGMB3.CM[1)]	0.4	2700-4000	3 SDCM	90	-	2385	98	1610	700	85	34.7	120	19 x 19
	GWKAGMB3.DM	0.4	3250	3 SDCM	85	-	2175	90	1610	700	85	34.7	120	19 x 19
SOLERIQ® S 19	GW KAHLB2.PM	0.3	4000 - 6500	3 SDCM	70	75	3960	163	1920	700	85	34.8	120	24 x 24
	GW KAHLB2.EM	0.3	2700 - 5000	3 SDCM	80	85	3300	135	1920	700	85	34.8	120	24 x 24
	GWKAHLB2.CM[1)]	0.3	2700-4000	3 SDCM	90	-	2700	111	1920	700	85	34.8	120	24 x 24
	GWKAHLB2.DM	0.3	3250	3 SDCM	85	-	3559	93	1920	1050	85	36.5	120	24 x 24
	GWKAHQB2.EM	0.26	2700-5000	3 SDCM	80	-	6460	120	2530	1500	85	36	120	24 x 24

1) available in Brilliant White

DURIS® E

Ideal for lighting applications requiring a homogeneous distributed light source, like fluorescent tube replacements or strip lights.

DURIS® S

Mid-power compact LEDs that provides flexibility in forward voltage and luminous flux with long lifetime even at high temperature distribution. The portfolio covers the full range of lumen packages for white and colored LEDs.

DURIS® P

High-efficacy mid-power LED with long lifetimes even at high currents and high junction temperatures and superior corrosion resistance.

Product	Type	Typ. Rth JS el (K/W)	CCT (K)	MacAdam	CRI min.	CRI typ.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning Current (mA)	Typ. Binning Temp. (°C)	Typ. Binning Voltage (V)	Viewing angle at 50 % IV	Footprint (mm)
DURIS® E 2	GW JBLMS1.EM	35	2700 - 6500	3 SDCM	80	85	25.0	127	100	65	65	3.10	120	2.0 x 1.6
	GWJBLMS2.EM	56.06	2700-6500	3 SDCM	80	85	25,5	127	100	65	25	3.1	120	2.0 x 1.6
DURIS® S 5 E	GW JSLPS1.EM	14	2700 - 6500	5 SDCM	80	82	118.0	124	200	150	25	6.35	120	3.0 x 3.0
DURIS® S 2	GWSBLMA2.EM	24	2700-6500	3 SDCM	80	85	30	159	150	65	25	2.9	150	2.0 x 1.6
DURIS® E3	GWJCLPS2.EM	24	2700-6500	3 SDCM	80	-	30	153	150	65	25	3.02	120	3.0 x 1.4
DURIS® S 8	GW P9LM31.EM	4.4	2700 - 6500	5 SDCM	80	82	375	134	200	150	25	18.6	120	5.0 x 5.0
	GW P9LR31.EM	3.5	2700 - 6500	5 SDCM	80	82	500	134	200	150	25	24.8	120	5.0 x 5.0
	GW P9LR31.EM	3.5	2700 - 6500	3 SDCM	80	82	500	134	200	150	25	24.8	120	5.0 x 5.0
	GW P9LR32.EM	3.5	2700 - 6500	5 SDCM	80	82	500	134	800	600	25	6.2	120	5.0 x 5.0
	GW P9LR32.EM	3.5	2700 - 6500	3 SDCM	80	82	500	134	800	600	25	6.2	120	5.0 x 5.0
	GW P9LR33.CM	3.5	2700 - 4000	3 SDCM	90	92	390	105	200	150	25	24.8	120	5.0 x 5.0
	GW P9LT31.EM	2.6	2700 - 6500	5 SDCM	80	82	610	131	200	150	25	31	120	5.0 x 5.0
	GW P9LT31.EM	2.6	2700 - 6500	3 SDCM	80	82	610	131	200	150	25	31	120	5.0 x 5.0
	GW P9LT32.EM	2.6	2700 - 6500	5 SDCM	80	82	610	131	1000	750	25	6.2	120	5.0 x 5.0
	GW P9LT31.CM	2.6	2700 - 4000	3 SDCM	90	92	480	103	200	150	25	31	120	5.0 x 5.0
DURIS® S 10	GW P7LM32.EM	1.4	2700 - 6500	5 SDCM	80	82	1060	123	400	300	25	28	120	7.0 x 7.0
	GW P7LM32.EM	1.4	2700 - 6500	3 SDCM	80	82	1060	123	400	300	25	28	120	7.0 x 7.0
	GW P7LP32.CM	1.2	2700 - 4000	5 SDCM	90	92	1120	98	400	300	25	38	120	7.0 x 7.0
	GW P7LP32.CM	1.2	2700 - 4000	3 SDCM	90	92	1120	98	400	300	25	38	120	7.0 x 7.0
DURIS® P 8	GW PUSRA1.PM	2.8	3000 - 6500	5 SDCM	70	72	290	148	1500	700	85	2.8	120	3.7 x 3.7
DURIS® P 10	GW P7STA1.PM	0.5	3000 - 6500	5 SDCM	70	72	1100	140	200	1400	85	5.6	120	7.0 x 7.0
	GW P7STA2.PM	0.5	3000 - 6500	5 SDCM	70	72	1100	140	200	1400	85	5.6	120	7.0 x 7.0

Your PASS to the Future

With PASS, you'll get access to OSRAM Opto Semiconductors' application engineering expertise and lab services through a lean, affordable, á la carte program. PASS is an open, collaborative design and testing process that keeps you involved, allowing flexibility along the way.

Premium Application Support Services
pass
Solid State Lighting

Make it good, make it fast and make it easy

With PASS you'll access our Premium Application Support Services through a dedicated web page, where you can request services through a dynamic menu featuring simulation, prototype, LED data and system metrology services. Our qualification process determines if your business is a good fit for PASS services. And, if we can't provide everything you need, we'll help you to find the right solution through our LED Light for you program, the premier lighting solutions network of certified industry partners.

Simulation

Simulate your system to study illumination and thermal performance before hardware is realized.

- Simulate your optical system
- Model your illumination environment
- Simulate your thermal system
- Optics and thermal design support

Prototype

Choose from a list of standard printed circuit boards (PCBs), specify a custom PCB or work with engineering to realize an entire system mockup for proof of concept.

- Standard PCBs
- Custom PCBs
- System mockups

LED Data

LED characterization and lifetime estimation based on your specified parts and drive current.

- LED measurements
- Lumen maintenance estimation
- LM-80/TM-21 reports

System Metrology

Get photometric and thermal measurements for your solution.

- Integrating sphere measurement
- Goniophotometer measurement
- Thermal spot & area measurement
- System luminance

Lighting Tools for General Lighting Applications

Safe time and effort to find additional information for our LEDs by using the OSRAM Opto Semiconductors lighting tools.

- My Luminator
- OSRAM Opto Semiconductors Product Selector
- LED Information Base

LED Light for You

LED Light for you (LLFY) is a successful global network brought to you by OSRAM Opto Semiconductors. Its world-wide certified partners will support you with standard and customized solutions. From optical and electronical experts to specialists in thermal and system management, the LED Light for you partners have the expertise to meet your dedicated requirements.

Moreover, our system integrators will assist you at all stages of a project, from an ambitious concept and attractive design to the right layout, and from a qualified consultation up to a committed system level implementation.

LED Light for you has further expanded its support for you.

With Underwriters Laboratories, DEKRA and TÜV SÜD, three leading global experts for testing and certification are complementing the existing LLFY expert pool. Furthermore, connectors suitable for all SOLERIQ® devices are now available at the LLFY Product Selector, offering you even more aligned accessories and support based on your selection

For whom?

LED Light for you serves professionals who want to realize a General Lighting project powered by OSRAM LED technology. Designers, architects and light manufacturers will find worldwide experts to support them in realizing not only standard applications, but exceptional and extravagant light applications. Big projects or small ones – LED Light for you offers the right solution.

LED Light for you
powered by OSRAM

How it works

You are a
- Designer
- Architect
- Lighting Consultant
- Luminaire Manufacturer
- ...

You look for

General Lighting LED technology

Your solution: LED Light for you Network

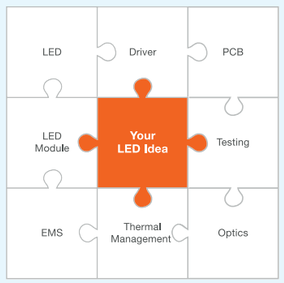
Certified partners participate in:

Optical Solutions | Thermal Solutions | Electronic Solutions | System Integrator | Connector Solutions

Additional Partners

Your LED Idea

Our focus is always your idea and the best support for it. Since different ideas require different approaches, OSRAM Opto Semiconductors brings together all competencies in LED lighting for you – at LED Light for you. According to our one stop philosophy, we cover every stage of the value chain for your lighting project. Whatever you need, the LED light for you partners turn your idea into reality.



New: Product Selector App

Find suitable products for your LED application quickly and easily.

To download the app just scan the QR code.

Committed to excellence

RUTRONIK
ELECTRONICS WORLDWIDE

Germany – Headquarters

Rutronik Elektronische Bauelemente GmbH | Industriestraße 2 | 75228 Ispringen / Pforzheim

Tel. +49 7231 801-0 | Fax +49 7231 82282 | E-Mail: rutronik@rutronik.com | www.rutronik.com

Berlin
Justus-von-Liebig-Straße 7
12489 Berlin
Tel. +49 30 8 09 27 16-0

Dresden
Radeburger Straße 172
01109 Dresden
Tel. +49 351 20 53 30-0

Erfurt
Flughafenstraße 4
99092 Erfurt
Tel. +49 361 2 28 36-30

Frankfurt
Frankfurter Straße 151 c
63303 Dreieich
Tel. +49 6103 2 70 03-0

Freiburg
Basler Landstraße 8
79111 Freiburg
Tel. +49 761 61 16 77-0

Hamburg
Neue Gröningerstraße 10
20457 Hamburg
Tel. +49 40 3 59 60 06-20

Hannover
Rendsburger Straße 32
30659 Hannover
Tel. +49 511 228507-0

Mannheim
Amselstraße 33
68307 Mannheim
Tel. +49 621 76 21 26-0

München
Landsberger Straße 392
81241 München
Tel. +49 89 88 99 91-0

Nürnberg
Südwestpark 10/12
90449 Nürnberg
Tel. +49 911 6 88 68-0

Ostwestfalen
Brockweg 133
33332 Gütersloh
Tel. +49 5241 2 32 71-0

Ratingen
Gothaer Straße 2
40880 Ratingen
Tel. +49 2102 99 00-0

RUSOL ENERGY

RUSOL GmbH & Co. KG
Industriestraße 2
75228 Ispringen
Tel. +49 (0) 7231 801-2910
rusol@rusol.com
www.rusol.com

European branches:

Austria
Rutronik Elektronische Bauelemente Ges. m. b. H.
Durisolstraße 11
4600 Wels
Tel. +43 7242 4 49 01

Belgium
Rutronik Belgium BVBA
Keppekouter 1
Ninovesteenweg 198
9320 Erembodegem-Aalst
Tel. +32 53 60 65 90

Bulgaria
Rutronik Elektronische Bauelemente GmbH
Blvd. Nikola Vaptzarov 35
Business Center Lozenec
Floor 1, Office Nº 1B
1407 Sofia
Tel. +35 92 974 86 46

Czech Republic
Rutronik Elektronische Bauelemente CZ s.r.o.

Brno
Pražákova 1008/69, 15. floor
639 00 Brno
Tel. +420 5 4 54 24-681

Prague
Na Pankraci 1638/43
140 00 Praha 4
Tel. +420 2 33 34 31 20

Denmark
Rutronik Elektronische Bauelemente GmbH
Herstedøstervej 27-29
2620 Albertslund
Tel. +45 7020 19 63

Estonia
Rutronik Elektronische Bauelemente GmbH
Vaksali 17A
50410 Tartu
Tel. +372 7370951

Finland
Rutronik Elektronische Bauelemente GmbH
Malminkaari 5
00700 Helsinki
Tel. +358 9 32 91 22 00

France
Rutronik S.A.S
6, Mail de l'Europe
78170 La Celle St Cloud
Tel. +33 1 30 08 33 00
rutronik_sas@rutronik.com

Bordeaux
Tel. +33 5 57 26 40 00

Grenoble
Tel. +33 4 76 61 00 90

Le Mans
Tel. +33 2 43 78 16 97

Lyon
Tel. +33 4 72 76 80 00

Poitiers
Tel. +33 5 49 52 88 88

Rennes
Tel. +33 2 23 45 14 40

Strasbourg
Tel. +33 3 88 78 12 12

Hungary
Rutronik Magyarország Kft.
Alíz utca 1
1117 Budapest
Tel. +36 1 371 06 66

Italy
Rutronik Italia S.r.l.
21, Via Caldera
Centro Direzionale S.Siro
20153 Milano (MI)
Tel. +39 02 4 09 51-1
italia_MI@rutronik.com

Ancona
Tel. +39 071 2 91 62 18

Bologna
Tel. +39 051 6 46 32 00

Florence
Tel. +39 055 8 82 73 32

Padua
Tel. +39 049 8 69 78 00

Rome
Tel. +39 06 228 782-1

Turin
Tel. +39 011 9 02 20 00

Lithuania
Rutronik Elektronische Bauelemente GmbH
Raudondvario pl.76
47182 Kaunas
Tel. +370 37 26 17 80

Netherlands
Rutronik Elektronische Bauelemente GmbH
Papland 4a
4206 CL Gorinchem
Tel. +31 183 64 60-50

Norway
Rutronik Elektronische Bauelemente GmbH
Olav Helsets vei 6
0694 Oslo
Tel. +47 22 76 79 20

Poland
Rutronik Polska Sp. z o.o.
ul. Bojkowska 37
44-101 Gliwice
Tel. +48 32 4 61 20 00

Gdynia
ul. Batorego 28-32
81-366 Gdynia
Tel. +48 58 7 83 20-20

Warsaw
ul. Broniewskiego 3
01-785 Warszawa
Tel. +48 22 462 70-50

Portugal
Rutronik Elektronische Bauelemente GmbH
Av. General Humberto Delgado Porta 8, 1ºAndar, Sala R
4760-012 V. N. Famalicão
Tel. +351 252 3 12-336

Romania
Rutronik Elektronische Bauelemente GmbH
Martin Luther Str. no. 2, 3rd floor
300054 Timişoara
Tel. +40 25 64 01 240

București
Tel. +40 314 25 38 39

Russia
Rutronik Beteiligungsgesellschaft mbH
Levoberejnaya sreet 12
Hotel Soyuz, office 314
125445 Moscow
Tel. +7(499) 963 31 84

Serbia
Rutronik Elektronische Bauelemente GmbH
YUBC Bul. Mihajla Pupina 10z/IV, 11070 Beograd
Tel. +381 11 311 33 66-3

Slovakia
Rutronik Elektronische Bauelemente GmbH, o.z.
Lazovná 11
97401 Banská Bystrica
Tel. +421 48 4 72 23-00

Slovenia
Rutronik Elektronische Bauelemente GmbH
Motnica 5, 1236 Trzin
Tel. +386 1 5 61 09 80

Spain
Rutronik España S.L.

Barcelona
C/ Marqués de Sentmenat 54 - 58, 3a Planta - 1o, 08029 Barcelona
Tel. +34 93 4 44 24 12

Madrid
C/ Santa Leonor 65,
Parque Empresarial Avalon,
Edificio A, 4ª Planta, 28037 Madrid
Tel. +34 91 3 00 55 28

San Sebastián
Pº Ubarburu, 71 - 1ºE
20115 Astigarraga/Guipuzcoa
Tel. +34 943 40 45 28

Sweden
Rutronik Nordic AB
Kista Science Tower
Färögatan 33; 16451 Kista
Tel. +46 8 50 55 49 00

Switzerland
Rutronik Elektronische Bauelemente AG

Volketswil
Brunnenstrasse 1
8604 Volketswil
Tel. +41 44 9 47 37 37

Yverdon-les-Bains
Rue Galilée 15,
1400 Yverdon-les-Bains
Tel. +41 24 4 23 91 40

Turkey
Barbaros Mahallesi, Ardic Sokak, Varyap Meridian G2 Blok, No.: 09
34746 Bati Atasehir, Istanbul
Tel. +49 7231 801-1751
rutronik_tr@rutronik.com

United Kingdom & Ireland
Rutronik UK Ltd.
1-3 The Courtyard, Calvin Street
The Valley, Bolton
BL1 8PB, Lancashire, UK
Tel. +44 1204 363311

International branches:

USA
Rutronik Inc.

3 Summit Park Drive, Suite 535
Cleveland, Ohio 44131
Tel.: +1 216 328 8900

Mexico
Rutronik Mexico S.A. DE C.V.

Av. Armando Birlaing Shaffler
No. 2001 Piso 8 A-II
Corp. Central Park Torre 1, Centro Sur
76090 QUERETARO, Qro.
Tel. +52 442 103 1800

China
Rutronik Electronics (Shenzhen) Co., Ltd

Shenzhen
Room 807, Excellence Bldg.,
No. 98, Fuhua 1 Road
Futian Distr., Shenzhen
Tel. +86 755 8240 7106

Shanghai
Room 1710, Dongchen Tower
No. 60, Mudan Road
Pudong New Distr., Shanghai
Tel. +86 216 8869 910

Chengdu
Room no. 407, 4F
No. 31 Zong Fu Street
610016 Chengdu
Tel. +86 28 8651 2214

Hong Kong
Rutronik Electronics Asia HK Ltd.

Hong Kong
54/F, Hopewell Centre
183 Queens Road East, Wan Chai
Hong Kong
Tel. +852 5337 0119

Taiwan
Rutronik Electronics Asia HK Ltd.

Taipei (Taiwan representative office)
8F, No. 367, Fuxing N. Rd.,
Songshan Dist, Taipei City,
10543 Taiwan
Tel. +886 (2) 2175 2936

Thailand
Rutronik Elektronische Bauelemente GmbH

2/1 Soi Rom Klao 25/2
Rom Klao Road, Khlongsamprawet
Ladkrabang, 10520 Bangkok
Tel. +66 2 737 6423

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