



Light is versatile

DURIS[®] S 5

Consumer mid power LED portfolio

Light is OSRAM

OSRAM
Opto Semiconductors



DURIS® S 5 has it all: various white and color versions

The proven, innovative DURIS® S 5 family consists of various white and colored mid power LEDs with compact dimensions and excellent efficiency, offering manufacturers and designers great versatility and flexibility.

DURIS® S 5 white: bright benefits

DURIS® S 5 white provides flexibility in forward voltage and luminous flux with high lifetime even at high temperature. Optimized phosphor, lead frame and chip design lift the LEDs to a new level of performance.



Tunable white lighting

Features

- Various luminous flux packages from one package family
- Small footprint (3 mm × 3 mm) for clustering
- Higher lifetime than PPA packages
- Compact light source in white SMT package, colored diffused silicone resin
- Viewing angle at 50 % I_v: 120°
- Optimized driver efficiency and costs due to higher voltage option
- Full range of color temperatures: 2,700 K–6,500 K (white)
- Test results according to IESNA LM-80
- Excellent color reproduction with CRI min. 70, 80 and 90
- LM-80 report available

Applications

- Retrofit (omnidirectional, directional, linear)
- Home (pendant lighting, strip lighting, spotlight)
- Shop (spotlight, downlight, linear lighting, freezer/display, shelf lighting)
- Office (downlight, linear/area lighting)
- Architainment and hospitality (accent/mood lighting, cove lighting, strip lighting)
- Industrial (portable lighting, emergency lighting, high/low bay, linear lighting)
- Outdoor stability



DURIS® S 5 white

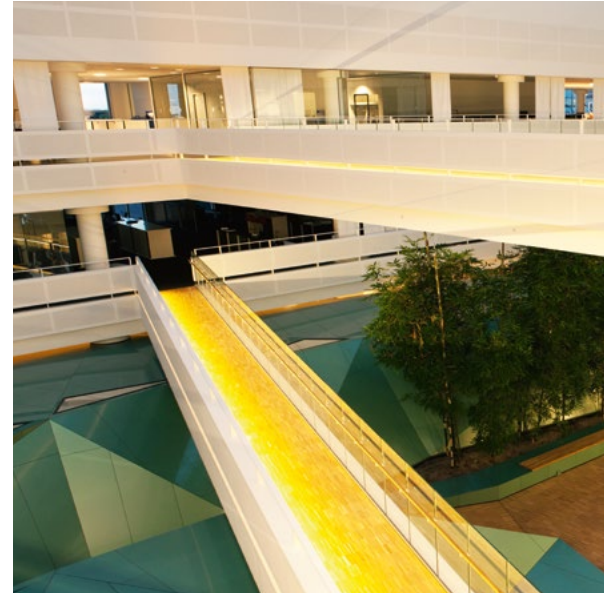
Type	Typ. R _{th,JS,el} (K/W)	Available CCT range (K)	CRI min.	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Max. Current (mA)	Typ. Binning current (mA)	Typ. Binning voltage (V)
GW PSLT33.EM (G3)	7.7	2,700–6,500	80	138	150	200	150	6.1
GW PSLT33.PM (G3)	7.3	3,000–6,500	70	157	171	200	150	6.1



Consumer Horticulture Lighting



Residential Indoor Lighting



Residential Outdoor Lighting

DURIS® S 5 color:

DURIS® S 5 is also available in several color versions, offering exciting and efficient opportunities for innovative applications and designs. Thanks to OS-RAM innovation color chip UX:3 & TF, all colors achieve state of the art efficacy and brightness. All these colors enable less LED usage and smaller PCB design, and thus cost savings in assembly.

Features

- Wide spectrum color solution
- Complete portfolio with industrial standard footprint (3030) of 3 mm × 3 mm
- Epoxy based package
- Best in class flux with hot/cold factor (85 °C to 25 °C)

Applications

- Smart lighting
- Residential Indoor Lighting
- Residential Outdoor Lighting
- Color changing mood lighting designs
- High color quality tunable white retrofits
- High color quality tunable white LEDfits (RGB solution to achieve tunable white)
- Consumer horticulture lighting

DURIS® S 5 color

Type	Color	Wave-length (nm)	Typ. V _r (V)	Typ. Luminous flux (lm)	Typ. Efficacy (lm/W)	Radiant power (mW)	Radiant Efficacy (%)	Max. Current (mA)
GR PSLR31.13	Red	620	6.25	24	26	—	—	200
GR PSLM31.23	Red	623	2.11	17	81	—	—	200
GA PSLR31.13	Amber	610	6.25	45	48	—	—	200
GA PSLM31.23	Amber	617	2.11	21.5	102	—	—	200
GW PSLM32.UL	PC Lime	—	2.95	58	197	—	—	200
GY PSLM31.13	PC Yellow	—	2.96	32.6	110	—	—	200
GT PSLR31.13	True Green	540	6.25	164	175	—	—	200
GT PSLM31.13	True Green	528	2.90	35.6	123	—	—	200
GB PSLM31.13	Blue	470	2.85	9	32	—	—	200
GD PSLR31.13	Deep Blue	450	6.25	—	—	480	51	200
GD PSLM31.13	Deep Blue	455	2.85	—	—	163	57	200
GP PSLR31.13	PC Purple	—	6.37	—	—	332.7	35	200
GP PSLM31.14	PC Purple	—	2.86	—	—	124.3	43	200
GW PSLM31.FM ¹⁾	Fullspectrum	—	2.77	25.56	140	—	—	200
GW PSLR31.FM ²⁾	Fullspectrum	—	6.35	110.7	115	—	—	200
GW PSLM31.WB	Mint	—	2.95	58	197	—	—	200



¹⁾ Binning Conditions: 4,000 K, 25°C

For more technical values, please visit our product pages www.osram-os.com



DURIS® S 5 on the Internet:
www.osram.com/duris-s5

For further information on the available products please visit our product catalog at www.osram.com/general-lighting

LED Light for you Network
www.ledlightforyou.com



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