



Light is superior

The new DURIS[®] S 10

Lifting single spot designs to a new level of performance

Light is OSRAM

OSRAM
Opto Semiconductors



The perfect arrangement for greater power and lower costs

DURIS® S 10 is the latest addition to OSRAM Opto Semiconductors' successful chip-array SMD family, using an array of LEDs to create a single spot light design with an easy-to-assemble SMD component. Combining the proven reliability of all DURIS® family packages with a new level of light output up to 1,500 lumen, DURIS® S 10 opens up great new opportunities for both powerful and cost-effective General Lighting solutions, from professional to consumer luminaires.



Advantages

A truly strong and really brilliant alternative to CoBs

DURIS® S 10 is available in different versions of typ. 1,050 lumen and typ. 1,400 lumen, with the same footprint and a wide range of color temperatures from 2,700 K to 6,500 K. The new LEDs enable a very flexible, powerful single light source design without multiple shadows, allowing also simple optics design and flexibility to fit various accessories. The combination of small light-emitting surface and high lumen package provides excellent optical control and very narrow angle design. The brilliant result for manufacturers and designers: DURIS® S 10 designs offer a significantly higher lumen per dollar ratio compared to CoB solutions with the same power.



Features

- Luminous flux typ. 1,050 lm, 1,400 lm @ 3,000 K, 300 mA, 25 °C
- CCTs: 2,700 K, 3,000 K, 3,500 K, 4,000 K, 4,500 K, 5,000 K, 5,700 K, 6,500 K (white)
- Available with CRI 80 and CRI 90, CRI 70 will follow
- Available with 28V and 37V
- MacAdams ellipse binning in 3 SDCM and 5 SDCM
- Viewing angle of 120° (FWHM)
- Single spot appearance
- No multiple shadows
- Same optics useable for various lumen replacement (using DURIS® S 10: 18 and 24 chip version respectively)
- PCB designs available for drop-in replacement of existing CoBs
- Footprint of 7 mm × 7 mm
- Epoxy-based package in high-power class

Applications

- Directional retrofits (PAR38 and MR16 in 9W and 12W)
- Omnidirectional retrofits (A60 and A75 in 9W and 12W)
- Directional spot luminaires
- Downlights
- Track lights
- High bay



DURIS® S 10



Type	GW P7LP32.EM	GW P7LP32.CM	GW P7LM32.EM	GW P7LM32.CM
Footprint (mm)	7.0 × 7.0	7.0 × 7.0	7.0 × 7.0	7.0 × 7.0
Viewing angle (typ.)	120°	120°	120°	120°
Typ. $R_{th, JS\ el}$ (K/W)	1.2	1.2	1.4	1.4
Available CCT range (K)	2,700–6,500	2,700–4,000	2,700–6,500	2,700–4,000
CRI min.	80	90	80	90
Typ. Current (mA)	300	300	300	300
Max. Current (mA)	400	400	400	400
Typ. Voltage (V)	38	38	28	28
Max. Voltage (V)	40	40	30	30
Typ. Luminous flux (lm)	1,460	1,120	1,100	850
Typ. Efficacy (lm/W)	128	98	131	101
Binning CCT (K)	3,000	3,000	3,000	3,000

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





DURIS® S 10 on the internet:
www.osram-os.com/duris-s10

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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