



Light is superior 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 a member of OSRAM Opto Semiconductors' successful Chip ARRAY SMD (CAS) 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 1,730 lumen, DURIS® S 10 opens up great new opportunities for both powerful and cost-effective General Lighting solutions.



Advantages

A truly strong and really brilliant alternative to CoBs

DURIS® S 10 is available in different lumen packages and CRI versions, 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.



Features

- 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 70, 80 and 90
- Available with 15 V, 28 V, 38 V and 44 V
- 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
- Footprint of 7 mm × 7 mm
- Epoxy-based package in high-power class

Applications

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



DURIS® S 10



Type	Typ. R _{th,JS at} (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 temperature (°C)	Typ. Voltage (V)	Max. Voltage (V)	Binning CCT (K)	Viewing angle (typ.)
GW P7LP32.EM	1.2	2,700–6,500	80	1,460	128	400	300	25	38	40	3,000	120°
GW P7LP32.CM	1.2	2,700–4,000	90	1,120	98	400	300	25	38	40	3,000	120°
GW P7LP32.PM	1.2	3,000–6,500	70	1,730	152	400	300	25	38	39	5,000	120°
GW P7LM32.EM	1.4	2,700–6,500	80	1,100	131	400	300	25	28.5	30	3,000	120°
GW P7LM32.CM	1.4	2,700–4,000	90	850	101	400	300	25	28.5	30	3,000	120°
GW P7LM32.PM	1.4	3,000–6,500	70	1,350	158	400	300	25	28.5	29	5,000	120°

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 productcatalog at www.osram.com/general-lighting

LED Light for you Network
www.ledlightforyou.com



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