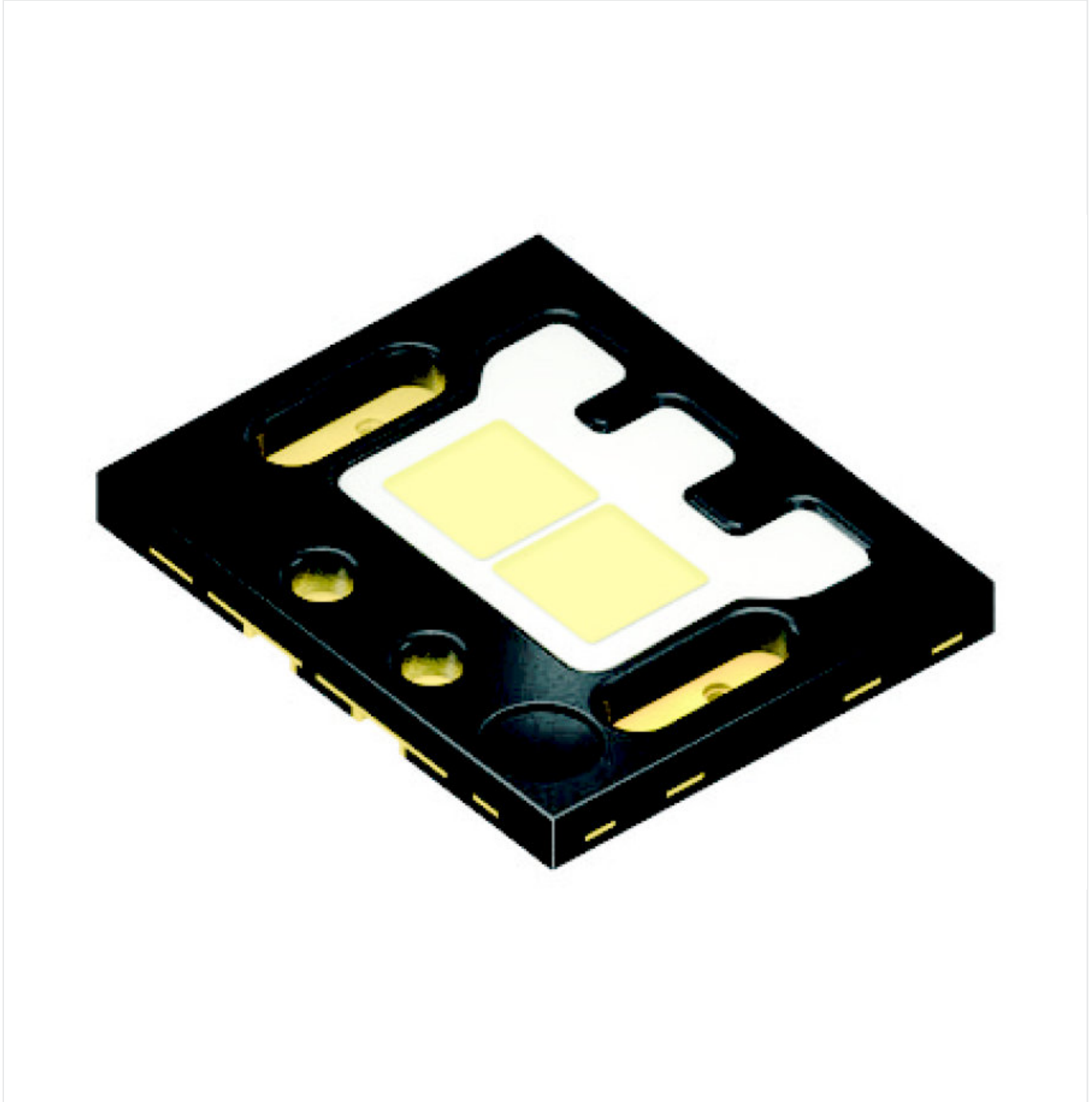







## OSLON® Black Flat S, KW2 HIL532.TK

**Product features**

The OSLON Black Flat S product family meets both, excellent brightness in combination with outstanding luminance. The SMT device is very stable, durable and can be used with standard processes. A new solder

pad layout allows for high reliability and superior thermal management. The compact chips not only deliver high light output, they are also individually addressable with an ensured chip-to-chip contrast.



-  Datasheet  Application note  Optical simulation  CAD files  
 Electrical simulation

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## Ordering codes

Sort by: Product Type Ascending 


**Product Type:** KW2 HIL532.TK-D2D9-4L07M0-SC6B  
**Description:**  $\Phi_V = 700 \dots 980 \text{ lm}$  ( $I_F = 1000 \text{ mA}$ )  
**Order No.:** Q65112A8069




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## Downloads

### Datasheet

 KW2 HIL532.TK\_CN  
Datasheet  
Size: 1.5 MB







 KW2 HIL532.TK\_EN  
Datasheet  
Size: 1.6 MB

### Application note

- |   |  |
|---|--|
|  OSLON® Black Flat S - LED low and high beam without the need for a heat sink<br>Product Related<br>Size: 1.7 MB                        |  Chemical compatibility of LEDs<br>General Information<br>Size: 1.7 MB   |
|  Customer complaint management — Details on return shipments for failure analysis request (FAR)<br>General Information<br>Size: 1.3 MB |  Details on photobiological safety of LED light sources<br>General Information<br>Size: 1 MB                                  |
|  Dry pack information<br>General Information<br>Size: 898.9 kB   |  Importing rayfiles and ray-measurement files of LEDs from OSRAM Opto Semiconductors<br>General Information<br>Size: 598.5 kB |
|  LED 可靠性与使用寿命<br>General Information<br>Size: 1.4 MB   |  Lebensdauer und Zuverlässigkeit von LEDs<br>General Information<br>Size: 1.1 MB  |
|  Preventing LED failures caused by corrosive materials<br>General Information<br>Size: 544.8 kB  |  Reliability and lifetime of LEDs<br>General Information<br>Size: 1.1 MB  |
|  Cleaning of LEDs<br>Processing and Handling<br>Size: 497.8 kB   |  ESD protection while handling LEDs<br>Processing and Handling<br>Size: 1.4 MB  |
|  Further details on lead free reflow soldering of LEDs<br>Processing and Handling<br>Size: 1.1 MB                                    |  Handling of silicon resin LEDs<br>Processing and Handling<br>Size: 644.4 kB  |
|  LED 无铅回流焊的详细介绍<br>Processing and Handling<br>Size: 1.3 MB   |  Measuring of the temperature profile during the reflow solder process<br>Processing and Handling<br>Size: 927.6 kB         |
|  PCB technologies for LED applications<br>Processing and Handling<br>Size: 2.8 MB  |  Processing of SMD LEDs<br>Processing and Handling<br>Size: 4.2 MB  |
|  Recommended pick-and-place tools for LEDs from OSRAM Opto Semiconductors<br>Processing and Handling<br>Size: 5.5 MB                 |  Weitere Hinweise zum bleifrei Reflow-Löten von LEDs<br>Processing and Handling<br>Size: 1.1 MB                             |
|  Comparison of simple LED circuits for low power LEDs<br>Driving of LEDs<br>Size: 920.8 kB   |  Dimming LEDs with respect to grouping current<br>Driving of LEDs<br>Size: 707.1 kB   |
|  Driving LEDs with a PIC Microcontroller<br>Driving of LEDs<br>Size: 911.8 kB  |  LED diagnosis in automotive applications<br>Driving of LEDs<br>Size: 1.7 MB  |

The basic principles of Electrical Overstress

Package related thermal resistance of LEDs

-  (EOS)  
Driving of LEDs  
Size: 1.2 MB
-  Thermal Management  
Size: 819.1 kB
-  Temperature measurement with thermocouples  
Thermal Management  
Size: 3.6 MB
-  The thermal measurement point of LEDs  
Thermal Management  
Size: 2.4 MB
-  Thermal management of light sources based on SMT LEDs  
Thermal Management  
Size: 1.3 MB
-  Measurement, calibration and measurement uncertainty of OSRAM Opto Semiconductor LEDs  
Measurement  
Size: 1.9 MB
-  欧司朗光电半导体有限公司 LED 的测量、  
Measurement  
Size: 2 MB

## Optical simulation

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-  Optical Simulation

## CAD files

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-  CAD Data  
CAD files

## Electrical simulation

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-  Electrical Simulation