

OSRAM KEW GBBMD2U

Product Information

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EVIYOS™ HD25 gen2

KEW GBBMD2U

OSRAM offers with EVIYOS™ HD25 gen2 a benchmark for intelligent HD headlamp solutions with 25.600 individual controllable pixels (aspect ratio of 1:4). EVIYOS™ HD25 gen2 is the first lighting device which can realize two different use cases:

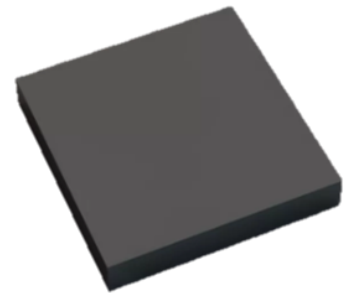
1. High resolution ADB
2. Safety relevant signal projection on the road

Please note, that this product is only available as product set. The EVIYOS™ HD25 gen2 LED will be delivered together with a Companion ASIC.

OSRAM EVIYOS™



Companion ASIC



Applications

- Dynamic forward lighting
- Transportation
- Projection
- Projection & display

Features

- 25600 pixels arranged in 320 rows x 80 lines or
- 19200 pixels arranged in 240 rows x 80 lines
- Pixel pitch 40µm
- Target Color Bin: Cx: 0.318; Cy: 0.33
- Wide operating temperature range of $T_j = -40\text{ °C}$ to 125 °C for Companion ASIC
- Wide operating temperature range of $T_j = -40\text{ °C}$ to 150 °C for the EVIYOS® 2.05
- Qualification: AEC-Q102 attachment 003 for high complex Optoelectronic Multichip Modules for EVIYOS™ HD25 gen2 and AEC-Q100 for Companion ASIC

1 General Description

The EVIYOS™ HD25 gen2 is an intelligent multi pixel light source solution for headlights combining an LED array with an LED driver IC. Each of the 25600 pixels can be controlled individually.

The light source can be used in combination with a digital Companion ASIC having UART, RGB8, and SPI in video interface option.

The 25600 pixels are arranged in an aspect ratio of 1:4 having 80 lines and 320 columns.

2 Ordering Information

Type	Luminance ¹⁾³⁾ Lv @ 1.97 mA	Ordering Code
KEW GBBMD2U-EMES-3E04E0-04 ²⁾	75...110 MNits	Q65113A6747

Notes

- 1) Measured at nominal current at room temperature
- 2) Aspect ratio 1:4
- 3) Values are after brightness correction

Type	Ordering Code
KEW GBXXD1U ¹⁾	Q65113A7604

Notes

- 1) Companion ASIC



EU RoHS and China RoHS compliant product

此产品符合欧盟 RoHS 指令的要求；
按照中国的相关法规和标准，
不含有毒有害物质或元素。

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