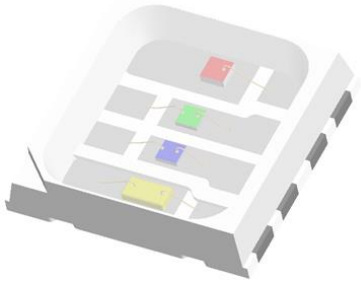
DURIS E 5050 RGBW 4-in-1 Package

GWJ9LHS1.4M



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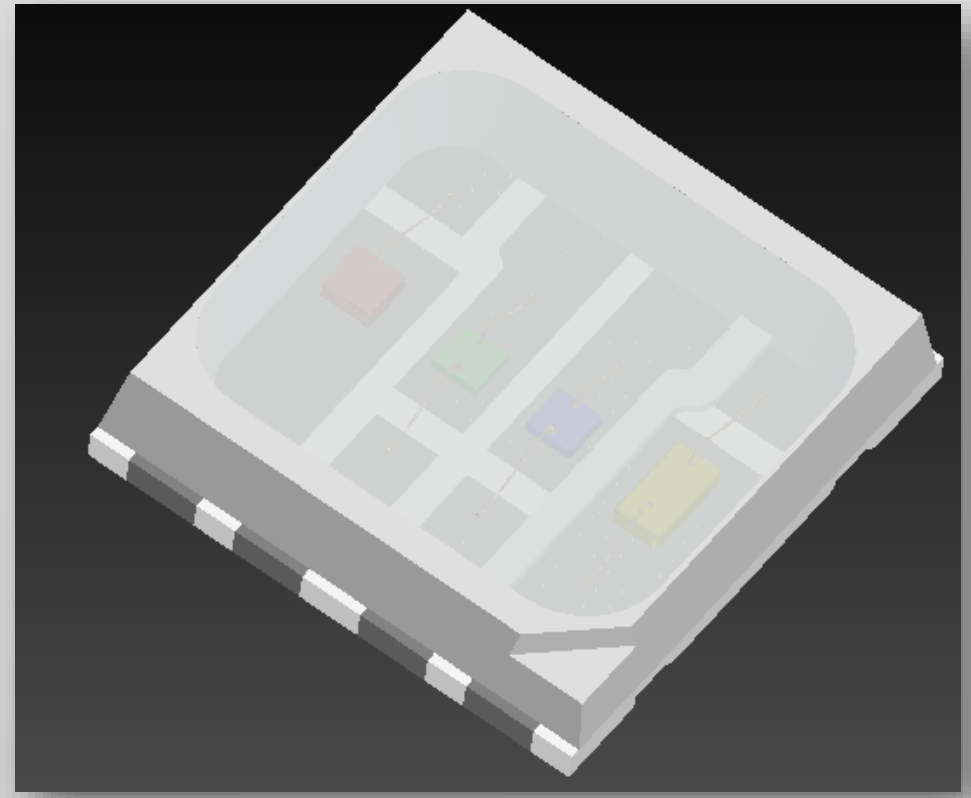
Launch Introduction for External Communication



DURIS® E 5050 RGBW

The first 4-in-1 color package from Osram OS

Compatible with existing package in the market

Competitive value and excellent Osram-level reliability

Luminous Intensity*:		Wavelengths#:		Color Choices:	
R	7,300	R	619 - 624		3000K
G	13,000	G	520 - 535		4000K
B	3,300	B	460 - 475		5000K
W	13,000				5700K

Meets OSRAM reliability and industry standards

Drop in replacement with existing 5050 RGBW in the market

4 individually controlled LEDs for precise design

Tight wavelength binning: 2.5nm for GB, 5nm for R

*milli candela, #nano meters, all measurements at 100mA, 25ºC, values are subject to change without notice, picture is not final.

DURIS® E 5050 RGBW

The first 4-in-1 color package from Osram OS for Illumination applications

5050 LED
2.5W
200mA Max
120º at 50%
2.0kV Class-2

Key Features:

- Compatible with existing* 5050 4-in-1 package in the market
- Tight wavelength binning: 2.5nm for green & blue, 5nm for red
- 4 individually controlled LEDs for precise design
- OS level reliability which ensures great quality assurance
- Excellent lifetime performance#
- Product safety includes Eye Safety and RoHS

Applications:

- Architectural Lighting
- Accent & Effect Lighting

Type	CCT	Typical Radiant Intensity (milli candela)				Wavelength Range (nano meter)			Binning Conditions	Availability
		RED	GREEN	BLUE	WHITE	RED	GREEN	BLUE		
GWJ9LHS1.4M	3000 K	7,300	13,000	3,300	13,000	619 to 624	520 to 535	460 to 475	100mA, 25’C	Samples: Available upon registration Pricing: Available upon request Launch status: Ready for mass production
GWJ9LHS1.4M	4000 K									
GWJ9LHS1.4M	5000 K									
GWJ9LHS1.4M	5700 K									

DURIS® E 5050 RGBW

Ordering Codes, has reached Status 03

Type	CCT	Material #	Q-Code	Q-Description	Availability
GWJ9LHS1.4M	3000 K	11124634	Q65113A1188	GW J9LHS1.4M-C1C7-2+58+MQ+30A-1-100-R33	First mass production ~10 weeks upon PO confirmation. Customer forecast is recommended for production & stock planning.
GWJ9LHS1.4M	4000 K	11124635	Q65113A1187	GW J9LHS1.4M-C1C7-2+58+MQ+40A-1-100-R33	
GWJ9LHS1.4M	5000 K	11124636	Q65113A1186	GW J9LHS1.4M-C1C7-2+58+MQ+50A-1-100-R33	
GWJ9LHS1.4M	5700 K	11124883	Q65113A1185	GW J9LHS1.4M-C1C7-2+58+MQ+57A-1-100-R33	

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DURIS® E 5050 RGBW

Binning Scheme

Standard Ordering Codes (Q-codes) will cover the entire wavelength, brightness and Vf specified in datasheet.

1. Wavelength: Customers will receive individual reels from any color bins specified in datasheet.
2. Brightness: Customers will receive individual reels from any brightness bins specified in datasheet.
3. Vf: Customer will receive individual reels from a single Vf bins specified in datasheet.

Wavelength			
Color	Min	Max	Bin Name
R	619	624	2
G	525	527.5	5
	527.5	530	6
	530	532.5	7
	532.5	535	8
B	460	462.5	M
	462.5	465	N
	465	467.5	P
	467.5	470	Q

Luminous Intensity			
Color	Min	Max	Bin Name
R	4.6	6.5	C3
	6.5	8.5	C4
	8.5	10.5	C5
G	8.5	10.5	C5
	10.5	14	C6
	14	17.5	C7
B	2.5	3.5	C1
	3.5	4.5	C2
	4.5	6.5	C3
W	8.5	10.5	C5
	10.5	14	C6
	14	17.5	C7

Vf	2	3.8	A1

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