

Light is OSRAM

LuxiGen™ Emitters for Entertainment Lighting

Compact. Powerful. Customizable.

Key Features

- **Up to 3.0A drive current per die**
Maximum flux density
- **Lowest Thermal Resistance per Area**
LED runs cooler, maximizing performance
- **Wide Range of Color Choices**
LZ7 Plus offers 7 individually controlled high power dies in 6 colors to deliver intense, saturated colors, as well as high quality white light. LZ4 and LZC available in RGBW, RGBA and RGB options.
- **In-source color mixing**
Smart die positioning for optimum color uniformity.
- **Robust Ceramic Package and Glass Lens**
Long service life in demanding conditions
- **Dome and Flat Primary Lens Options**
Dome: for fixed beam TIR optics in wall wash applications
Flat: for narrow beam zoom optics systems
- **Complimentary Optics Solutions**
Suite of compatible optics from leading optics manufacturers



OSRAM

Our Brand

LED ENGIN 

LuxiGen Entertainment Lighting Emitters Product Family

	Max Drive Current per die (A)	Thermal Resistance (°C/W)	Emitter Footprint (mm)	Power Dissipation (W)
LZ4 PLUS & LZ4 POWER				
	1.2 – 3.0	0.9 / 1.1	7.0 x 7.0	40
LZ4 SERIES				
	1.0	2.8	7.0 x 7.0	15
LZ7 PLUS				
	1.0 – 3.0	0.8	7.0 x 7.0	60
LZC SERIES				
	1.0	0.7	9.0 x 9.0	40
LZP SERIES				
	1.0	0.5	12.0 x 12.0	85

LuxiGen™ Entertainment Lighting Emitters Technical Information

LZ7 Plus 60W 7 Die LED Emitter



Typical Performance at Maximum Current

Luminous Flux

Red (623 nm dominant)	190 lumens @2.5A	PC Amber (590 nm dominant)	182 lumens @1.5A
Green (520 nm dominant)	340 lumens @3.0A	Cyan (500 nm dominant)	135 lumens @1.0A
Blue (451 nm dominant)	97 lumens @3.0A	PC Lime (2x)	2x 620 lumens @2.5A

RGBW Emitters

Typical Performance

Luminous Flux (lumens)

DOME LENS*

FLAT LENS

1000mA 1200mA 1000mA 1500mA 3000mA

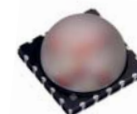
LZ4 series (4 die)

Red (623nm dominant)	180	215	110	160	240**
Green (523nm dominant)	215	235	180	220	380
Blue (457nm dominant)	50	56	43	58	82***
White (6500K)	315	360	285	370	630



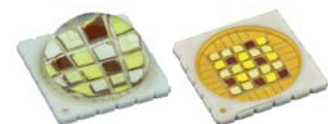
LZC series (12 die)

Red (623nm dominant)	475
Green (523nm dominant)	560
Blue (457nm dominant)	130
White (6500K)	780



LZP series (25 die)

Red (623nm dominant)	1060	640
Green (523nm dominant)	1190	1060
Blue (457nm dominant)	300	250
White (6500K)	2000	1900



*LZ4 and LZC: also available in RGBA and RGB options **Product performance at maximum rated current of 2500mA

***Product performance at 451nm typical dominant wavelength

Secondary TIR Optics

LZ4 SERIES (4 die)

Spot – 14°/18°
Narrow Flood – 25°
Flood – 37°

LZC SERIES (12 die)

Narrow Spot – 9° Mono-color
Spot – 13°
Narrow Flood – 20°
Flood – 32°
Wide Flood – 50°

LZP SERIES (25 die)

Narrow Spot – 10° Mono-color
Spot – 13°
Narrow Flood – 21°
Flood – 35°
Wide Flood – 47°

Mixing Rods and Zoom Optics

Available from leading optics providers, such as Auer Lighting, Toplite International, Gaggione, Fraen and others.

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