

## SunLED Launches Ultra-Bright Bi-Colour 1206 Dome Lens LEDs

### Long and Robust Lifespan with Low Current Operation Ideal for High Visibility Requirements

SunLED is pleased to release a series that redefines high intensity, low current LEDs. Designed and built to meet and exceed the most demanding visibility requirements, the **XZxxxx55W-8** series outshines nearly all other LEDs. Developed from a combination of AlInGaP and InGaN dies, this series ensures a long and robust lifespan while outputting a brilliant array of colors.

With a standard 1206 footprint of 3.2mm x 1.6mm, this bi-colour SMD LED uses a configuration of Ultra-Bright colors paired with a dome lens to provide one of the highest intensity options available in the industry operating with a current of IF=20mA. This package is accompanied by a 4-pad design allowing independent connections for each color channel, maximizing circuit design flexibility. This series is excellent for any light pipe application, high visibility indication requirements, or where high brightness and low current operation is needed.

#### Product Features

- Industry standard 1206 footprint
- Dimensions: 3.2x1.6x1.8mm
- Moisture sensitivity level : 2
- Ultra-bright intensity output @ IF=20mA
- Dome lens w/ narrow viewing angle : 30°
- Independent anode/cathode for each colour



Part No.	Material	Color	Lens	Peak Wave Length	Optical Data		Viewing Angle 2θ2/1
					If=20mA		
					Min.	Typ.	
<a href="#"><b>XZM2CRKCYK55W-8</b></a>	AlGaInP / AlGaInP	Red / Yellow	Water Clear	640nm / 590nm	700 / 400	1295 / 695	30°
<a href="#"><b>XZM2CRKFBB55W-8</b></a>	AlGaInP / InGaN	Red / Blue	Water Clear	640nm / 465nm	700 / 120	1295 / 278	30°
<a href="#"><b>XZM2CRKM2DG55W-8</b></a>	AlGaInP / InGaN	Red / Green	Water Clear	640nm / 520nm	700 / 700	1295 / 1295	30°
<a href="#"><b>XZM2CYKM2DG55W-8</b></a>	AlGaInP / InGaN	Yellow / Green	Water Clear	590nm / 520nm	700 / 700	1195 / 1295	30°
<a href="#"><b>XZMDKCB55W-8</b></a>	InGaAIP / InGaN	Red / Blue	Water Clear	650nm / 468nm	200 / 120	397 / 248	30°
<a href="#"><b>XZMDKDGK55W-8</b></a>	AlInGaP / InGaN	Red / Green	Water Clear	645nm / 515nm	200 / 400	397 / 647	30°
<a href="#"><b>XZMDKVG55W-8</b></a>	InGaAIP / InGaAIP	Red / Green	Water Clear	650nm / 574nm	200 / 120	397 / 248	30°
<a href="#"><b>XZMYKVG55W-8</b></a>	InGaAIP / InGaAIP	Yellow / Green	Water Clear	590nm / 574nm	300 / 120	547 / 248	30°

#### Applications

- Light pipe applications
- Consumer electronics
- Outdoor visible indicator
- Medical & healthcare
- Mobile devices & handheld products
- Industrial equipment
- Instrumentation
- Power management systems

SunLED is one of the world's leading manufacturers of optoelectronic components, offering an extensive line of LED Lamps, Surface Mount LEDs, and LED Displays that are RoHS and REACH compliant. SunLED supports high profile customers with production capabilities exceeding 350 million LEDs per month. The company has an unwavering commitment to service and quality for supporting engineering requirements, while assisting with the next advancements in electronic innovations.

**For more information on the Ultra-Bright Bi-Colour 1206 Domes or to order samples contact your account representative or send an email to [sales@diverseelectronics.com](mailto:sales@diverseelectronics.com).**