

# High Power LEDs

| High reliability, High performance |

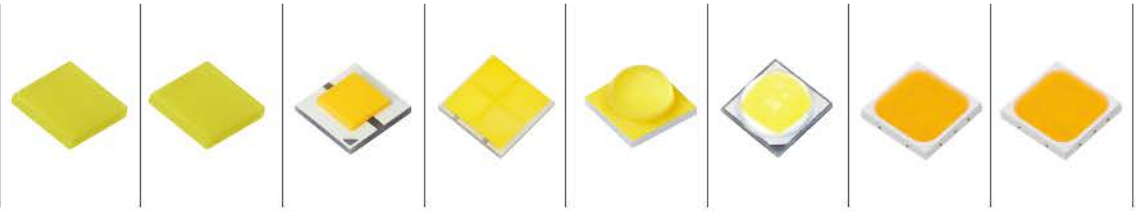


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# The Next Generation of High Power LEDs

High reliability & high performance by world first technology



	Y19	Y22	Y22P	Y50P	Z5M3	Z5M4	5050	MJT 5050
Part Number	SZ8-Y19-WX-CX	SZ8-Y22-WX-CX	SZ8-Y22-WX-CX-P	SZ8-Y50-WX-CX-P	SZ5-M3-WX-XX	SZ5-M4-WX-CX	STWXL8PA	SAWXL60A
Size (mm)	1.81 x 1.81	2.21 x 2.21	3.5 x 3.5	5.0 x 5.0	3.5 x 3.5	3.5 x 3.5	5.0 x 5.0	5.0 x 5.0
Binning Condition	700mA, T <sub>j</sub> = 85°C	700mA, T <sub>j</sub> = 85°C	700mA, T <sub>j</sub> = 85°C	700mA, T <sub>j</sub> = 85°C	700mA, T <sub>j</sub> = 85°C	700mA, T <sub>j</sub> = 85°C	640mA, T <sub>j</sub> = 25°C	60mA, T <sub>j</sub> = 25°C
Typical Forward Voltage	2.85V	2.74V	2.74V	10.8V	2.85V	2.85V	6.1V	16.3V
Efficacy (4000K)	155lm/W (CRI 70)	171lm/W (CRI 70)	171lm/W (CRI 70)	167lm/W (CRI 70)	160lm/W (CRI 70)	172lm/W (CRI 70)	178lm/W (CRI 70)	211lm/W (CRI 70)
Flux (lm) typical	310lm (700mA, 85°C)	328lm (700mA, 85°C)	328lm (700mA, 85°C)	1266lm (700mA, 85°C)	319lm (700mA, 85°C)	343lm (700mA, 85°C)	692lm (640mA, 25°C)	206lm (60mA, 25°C)
T <sub>j</sub> max	145°C	145°C	145°C	145°C	150°C	150°C	125°C	125°C
Max. Forward Current	2.0A	2.0A	2.0A	1.5A	1.5A	2.0A	0.8A	0.32A
Available CRI	CRI 70/80/90	CRI 70/80/90	CRI 70/80/90	CRI 70/80	CRI 70/80	CRI 70/80	CRI 70/80/90	CRI 70/80
Viewing angle	140°	140°	140°	125°	125°	125°	120°	120°
LM80	✓	✓	✓	✓	✓	✓	✓	✓
ESD Sensitivity (HBM)	Class 2	Class 2	Class 2	Class 2	Class 2	Class 3B	Class 2	Class 2

## Features and Benefits

- World first technology by Wicop and MJT
- High Performance
- High Lumen Density
- High Current Operation
- Outstanding Reliability
- Most Advanced LED Technology
- Low Thermal Resistance
- Wicop : Best Color Over Angle (COA)
- Highest lumens/\$

## Key Applications

- Outdoor Area - Streetlight
- High Bay
- Flood Light
- Industrial
- Commercial Lighting
- Stadium Light
- Portable Lighting & Flashlights
- Lamps

## Contact

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