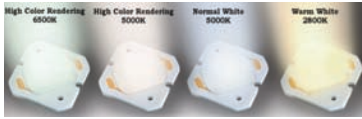


**SHARP**<sup>®</sup>**MICROELECTRONICS  
OF THE AMERICAS****LED Lighting Solutions**

The SHARP Zenigata modules are mounted on ceramic substrates for superior heat transfer—simplifying cooling design. Offered in 3.6W and 6.7W power options, with a selection of color temperatures, these modules are suitable for a variety of lighting applications. In addition, our surface-mount devices (SMD) pack enormous light output into a small package.

**Features** ▶

- High lumen output
- High efficiency
- High CRI
- Long life >40,000 hours
- Color consistency

**Benefits** ▶

- Small packaging
- High intensity
- Low package thermal resistance
- High efficiency
- Long life and high reliability

**Applications** ▶

- General lighting
- Architectural highlighting
- Portable illumination
- Indoor and outdoor lighting
- Backlighting

**Product Specifications** ▶

Part Number	Package Type	Color	Color Temp. (°K)	Dominant Wavelength (nm)	Max. Current (mA)	Tested Current (mA)	Forward Voltage (V)	Viewing Angle (deg)	Luminous Flux (lm)	Luminous Intensity (mcd)	Markets	
GM5BW96385A	PLCC2 SMD	White	5,300	–	30	20	3.2	120	6.3	2,200	CL FL TR BL SI	
GM5BW97330A	PLCC4 SMD	White	5,300	–	80	60	3.2	120	17	6,400	CL FL TR BL SI	
GM5BW97331A		White	5,000	–	80	60	3.2	120	17	7,000	CL FL TR BL SI	
GM5BW97332A		Cool white	6,700	–	80	60	3.2	120	15	5,800	CL FL TR BL SI	
GM5BW97333A		Cool white	11,500	–	80	60	3.2	120	12	5,100	CL FL TR BL SI	
GM5SAE65POA		PLCC2 SMD	Warm white	2,700	–	30	20	3.2	120	5.8	2,000	CL FL TR BL SI
GM5SAE30POA	Warm white		3,000	–	30	20	3.2	120	5.8	2,050	CL FL TR BL SI	
GM5SAE35POA	Warm white		3,500	–	30	20	3.2	120	5.8	2,100	CL FL TR BL SI	
GM5SAE40POA	White		4,000	–	30	20	3.2	120	5.8	2,150	CL FL TR BL SI	
GM5SAE45POA	White		4,500	–	30	20	3.2	120	5.8	2,200	CL FL TR BL SI	
GM5SAE50POA	White		5,000	–	30	20	3.2	120	5.8	2,200	CL FL TR BL SI	
GM5SAE57POA	Cool white		5,700	–	30	20	3.2	120	5.8	2,200	CL FL TR BL SI	
GM5SAE65POA	Cool white		6,500	–	30	20	3.2	120	5.8	2,200	CL FL TR BL SI	
GM5BW05341A	5.0 x 5.0 SMD with lens		Cool white	6,500	–	25/25/25	20/20/20/20	3.2	60	25	10,000	CL FL TR BL SI
GM5BW01300A	6.0 x 5.0 SMD		Cool white	6,500	–	40/40/40	35/35/35	3.4	120	11	4,000	CL FL TR BL SI
GM1BD78140A	Light brick 2.64 x 1.64 SMD	Warm white	2,800	–	200	150	3.5	120	24	5,800	CL FL TR BL SI	
GM1BW78140A		White	5,000	–	200	150	3.5	120	24	5,800	CL FL TR BL SI	
GM5BN72xxxA	Double dome 3.2 x 3.2 x 2.1 SMD	Warm white	3,000	–	150	105	3.4	120	22	–	CL FL TR BL SI	
GM5BN72xxxA		Neutral white	5,300	–	150	105	3.4	120	25	–	CL FL TR BL SI	
GM5BN72xxxA		Cool white	6,500	–	150	105	3.4	120	22	–	CL FL TR BL SI	
GW5BDC15L02	Zenigata 18 mm x 18 mm	Warm white	2,800	–	400	360	10.2	120	200	–	CL FL TR BL SI	
GW5BWC15L02		White	5,000	–	400	360	10.2	120	280	–	CL FL TR BL SI	
GW5BNC15L02		High CRI white	5,000	–	400	360	10.2	120	190	–	CL FL TR BL SI	
GW5BNC15L12		High CRI cool white	6,500	–	400	360	10.2	120	190	–	CL FL TR BL SI	
GW5BDF15L00		Warm white	2,800	–	700	640	10.2	120	400	–	CL FL TR BL SI	
GW5BWF15L00		White	5,000	–	700	640	10.2	120	540	–	CL FL TR BL SI	
GW5BNF15L00		High CRI white	5,000	–	700	640	10.2	120	350	–	CL FL TR BL SI	
GW5BNF15L10		High CRI cool white	6,500	–	700	640	10.2	120	350	–	CL FL TR BL SI	
GM1WA55311A		RGB 1.6 x 1.6 SMD	RGB	–	0.27/0.26 mixed colors	10	5	1.9/3.0/2.9	110	–	20/70/23	CL TR BL SI
GM1WA55321A			RGB	–	0.27/0.26 mixed colors	10	5	2.0/3.0/2.9	110	–	28/75/25	CL TR BL SI
GM4WA25300A	RGB 5.0 x 2.5 SMD	RGB	–	0.27/0.26 mixed colors	30/30/30	20/20/20	2.2/3.3/3.3	110	–	640/1,200/400	CL TR BL SI	
GM5WA94313A	RGB 2.8 x 3.5 SMD	RGB	–	627/523/463	80	20/20/20	2.2/3.3/3.2	110	–	600/1,000/300	CL TR BL SI	
GM5WA94310A		RGB	–	0.27/0.26 mixed colors	80	20/20/7	2.2/3.3/3.2	110	–	620/1,180/270	CL TR BL SI	
GM5WA06256A		RGB 6.0 x 5.0 SMD	RGB	–	0.27/0.26 mixed colors	50/50/50	22/35/13	2.3/3.7/3.7	110	–	470/500/280	CL TR BL SI

MARKETS LEGEND

CL COMMERCIAL LIGHTING FL FLASHLIGHTS TR TRANSPORTATION BL BACKLIGHTING SI SIGNAGE