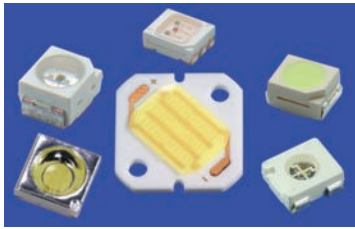


SHARP®

MICROELECTRONICS
OF THE AMERICAS

Surface-Mount HB-LEDs

Pack performance into the smallest dimensions with high-brightness light emitting diodes (HB-LEDs) from Sharp. Sharp's HB-LEDs are specifically designed for engineers with small applications demanding higher packaging density and a smaller end product. Sharp LEDs ensure consistent color mixing and uniformity by offering matched radiation patterns. Combine our HB-LED performance with a global supply chain and unparalleled support, and the solution is clear.



Features ▶

- High luminosity
- High performance
- Multiple-chip light sources
- Single- or full-color spectrum options
- Compact design
- RoHS compliant

Benefits ▶

- Small package
- High intensity
- Low power consumption
- Low package thermal resistance

Applications ▶

- General lighting
- Indoor and outdoor lighting
- Architectural highlighting
- Portable illumination
- Specialty lighting
- Flashlight
- Backlighting
- Commercial lighting

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	
GM5BW01300A	SMD	White	NA	NA	50	35	3.6	110	NA	4,200	CL BL SI	
GM5BW05340A		White	NA	NA	35	20	3.2	110	NA	10,000	CL BL SI	
GM5BW96320A		White	NA	NA	35	20	3.3	110	NA	1,400	CL BL SI	
GM5BW96370A		White	NA	NA	35	20	3.2	110	NA	2,000	CL BL SI	
GM5BW96380A		White	NA	NA	35	20	3.2	110	NA	2,300	CL BL SI	
GM1BW76340A		White	NA	NA	60	50	14.4	120	45	14,000	CL BL SI	
GM1BW76341A		White	NA	NA	60	50	14.4	120	36	11,000	CL BL SI	
GM5MW05301A		RGB	NA	NA	NA	50	35	3.3/3.3/2.5	110	NA	6,700	CL BL SI
GM5ZR96270A		Red	NA	624	624	30	20	2.2	110	NA	600	CL BL SI
GM5ZV96270A		Amber	NA	588	588	30	20	2.2	110	NA	600	CL BL SI
GM5GC96270A		Green	NA	527	527	30	20	3.3	110	NA	1,300	CL BL SI
GM5BC96270A		Blue	NA	463	463	30	20	3.2	110	NA	1,000	CL BL SI
GM4WA25300A		RGB	NA	626/525/463	626/525/463	30	21/25/7	2.8/2.8/1.7	110	NA	2,000	CL BL SI
GM4WA55311A		RGB	NA	NA	NA	30	21/25/7	2.9/3.0/1.9	110	NA	23/70/20	CL BL SI
GM5WA06256A		RGB	NA	NA	NA	30	22/35/13	1.8/3.2/3.2	120	NA	1,500	CL BL SI
GM5WA06260A		RGB	NA	617/520/469	617/520/469	30	35/35/35	2.2/4.2/4.2	110	NA	1,725	CL BL SI
GM5WA06270A		RGB	NA	NA	NA	35	20	2.2/4.2/ 4.2	110	NA	3,000	CL BL SI
GM5WA94310A		RGB	NA	NA	NA	35	20	1.7/2.8/2.8	110	NA	1,800	CL BL SI
GM1WA55311A		RGB	NA	616/527/473	616/527/473	10	5	1.9/3.0/2.9	110	NA	30/100/30	CL BL SI
GM5BW05341A		White	NA	NA	NA	35	20	3.5	110	NA	8,000	CL BL SI
GM1EG55200E		Yellow green	NA	565	565	30	20	2.8	110	NA	19	CL BL SI
GM1HD55200M		Red	NA	635	635	30	20	2.8	110	NA	12.5	CL BL SI
GM1HY55200A		Yellow	NA	585	585	30	20	2.8	110	NA	11.5	CL BL SI
GM5JS95200AE		Orange	NA	605	605	30	20	2.2	110	NA	90	CL BL SI
GM5JV95200AE		Amber	NA	588	588	30	20	2.2	110	NA	80	CL BL SI
GM5UR95200A		Red	NA	660	660	30	20	2.1	110	NA	80	CL BL SI
GM5JJ95200AE		Red	NA	618	618	30	20	2.2	110	NA	70	CL BL SI

MARKETS LEGEND

CL COMMERCIAL LIGHTING FL FLASHLIGHTS TR TRANSPORTATION BL BACKLIGHTING SI SIGNAGE



Arrow Electronics Lighting Group

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<http://lighting.arrow.com>