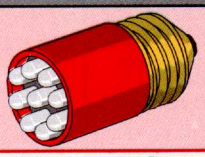
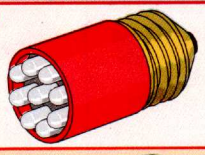
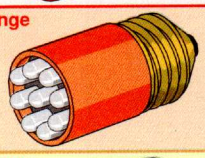
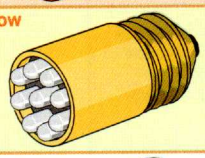
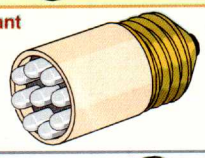
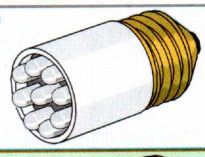
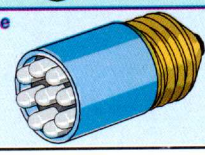
9 LED Cluster, 25mm Edison Screw Based Lamps

Packages	Replaces Incandescent # (Application Specific)	Part Number	Input Voltage	Power (Watts) typ	Intensity per LED I_V (mcd) typ	λ_p (nm)	View Angle $2\theta_{1/2}$	Optional Viewing Angles*
660nm Ultra Red GaAlAs/GaAlAs 		S109-0UR-014N	12/14V	0.6 to 1.2	2000	660	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0UR-024N	24V					
		S109-0UR-120AN	120VAC					
		S109-0UR-240AN	240VAC					
633nm Super Red InGaAlP 		S109-0ER-014N	12/14V	0.6 to 1.2	3500	633	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0ER-024N	24V					
		S109-0ER-120AN	120VAC					
		S109-0ER-240AN	240VAC					
612nm Super Orange InGaAlP 		S109-0UO-014N	12/14V	0.6 to 1.2	6500	612	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0UO-024N	24V					
		S109-0UO-120AN	120VAC					
		S109-0UO-240AN	240VAC					
595nm Super Yellow InGaAlP 		S109-0UY-014N	12/14V	0.6 to 1.2	5500	595	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0UY-024N	24V					
		S109-0UY-120AN	120VAC					
		S109-0UY-240AN	240VAC					
4500K Incandescant White SiC/GaN 		S109-0IW-014N	12/14V	0.6 to 1.2	2000	4500K	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0IW-024N	24V					
		S109-0IW-120AN	120VAC					
		S109-0IW-240AN	240VAC					
8000K Cool White SiC/GaN 		S109-0CW-014N	12/14V	0.6 to 1.2	6000	8000K	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0CW-024N	24V					
		S109-0CW-120AN	120VAC					
		S109-0CW-240AN	240VAC					
570nm Lime Green InGaAlP 		S109-0UG-014N	12/14V	0.6 to 1.2	1000	570	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0UG-024N	24V					
		S109-0UG-120AN	120VAC					
		S109-0UG-240AN	240VAC					
525nm Aqua Green SiC/GaN 		S109-0AG-014N	12/14V	0.6 to 1.2	10,000	525	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0AG-024N	24V					
		S109-0AG-120AN	120VAC					
		S109-0AG-240AN	240VAC					
505nm Blue Green SiC/GaN 		S109-0BG-014N	12/14V	0.6 to 1.2	2000	505	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0BG-024N	24V					
		S109-0BG-120AN	120VAC					
		S109-0BG-240AN	240VAC					
470nm Super Blue SiC/GaN 		S109-0PB-014N	12/14V	0.6 to 1.2	3000	470	12° to 15°	Replace N in part number with required viewing angle S - Standard (20° to 30°) M - Medium (50° to 60°) W - Wide (120°)
		S109-0PB-024N	24V					
		S109-0PB-120AN	120VAC					
		S109-0PB-240AN	240VAC					

Viewing Angle:

12° to 15°

Narrow Angle (N)

Optional Viewing Angles:

20° to 30°

Standard Angle (S)

50° to 60°

Medium Angle (M)

120°

Wide Angle (W)

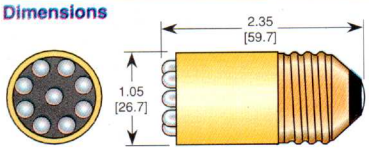
***Notes:**

1. Not all possible combinations of voltage, intensity and angle are available
2. Intensity shown is for narrow angle (N). Intensity is reduced 12 to 15 times when using extra wide angles

InfraReds

850/880/940nm

Dimensions



Low Cost Specials: *(for qualified applications)*

8000K Cool White	**PN Example:** S109-1CW-120AN
525nm Aqua Green	**PN Example:** S109-1AG-120AN
505nm Blue Green	**PN Example:** S109-1BG-120AN
470nm Super Blue	**PN Example:** S109-1PB-120AN

- Three-Year Lamp Warranty

Specifications subject to change without notice.

Log # 123M Rev 12-2000

LEDTRONICS, INC.®
THE FUTURE OF LIGHT

ISO LED 9001 REGISTERED

23105 Kashiwa Court, Torrance, CA 90505
Phone: (800) 579-4875 or (310) 534-1505
Fax: (310) 534-1424
E-mail: webmaster@ledtronics.com
Website: www.ledtronics.com