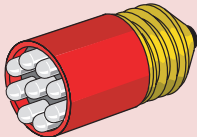
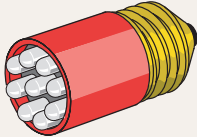
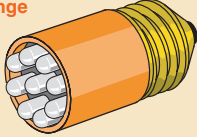
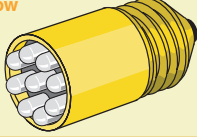
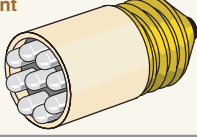
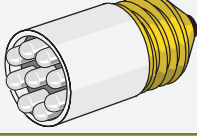
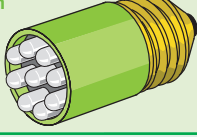


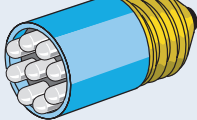
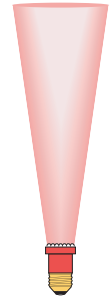




# 8/9 LED Cluster, 25mm Edison Screw Based Lamps

Packages	Replaces Incandescent	Part Number	Input Voltage	Power Watts (typ)	Intensity per LED $I_v$ mod (typ)	$\lambda_p$ (nm)	View Angle $2\theta^{1/2}$	Custom Options
<b>660nm Ultra Red GaAIAs/GaAlAs</b> 		S108-0UR-014N	12/14V	0.6W to 1.2W	2000	660	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0UR-024N	24V					
		S109-0UR-120AN	120VAC					
		S109-0UR-240AN	240VAC					
<b>633nm Super Red InGaAlP</b> 		S108-0ER-014N	12/14V	0.6W to 1.2W	3500	630	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0ER-024N	24V					
		S109-0ER-120AN	120VAC					
		S109-0ER-240AN	240VAC					
<b>612nm Super Orange InGaAlP</b> 		S108-0UO-014N	12/14V	0.6W to 1.2W	6500	612	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0UO-024N	24V					
		S109-0UO-120AN	120VAC					
		S109-0UO-240AN	240VAC					
<b>595nm Super Yellow InGaAlP</b> 		S108-0UY-014N	12/14V	0.6W to 1.2W	5500	595	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0UY-024N	24V					
		S109-0UY-120AN	120VAC					
		S109-0UY-240AN	240VAC					
<b>4500K Incandescent White SiC/GaN</b> 		S109-0IW-014N	12/14V	0.6W to 1.2W	2000	4500K	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0IW-024N	24V					
		S109-0IW-120AN	120VAC					
		S109-0IW-240AN	240VAC					
<b>8000K Cool White SiC/GaN</b> 		S109-0CW-014N	12/14V	0.6W to 1.2W	6000	8000K	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0CW-024N	24V					
		S109-0CW-120AN	120VAC					
		S109-0CW-240AN	240VAC					
<b>570nm Lime Green InGaAlP</b> 		S108-0UG-014N	12/14V	0.6W to 1.2W	1000	570	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0UG-024N	24V					
		S109-0UG-120AN	120VAC					
		S109-0UG-240AN	240VAC					
<b>525nm Aqua Green SiC/GaN</b> 		S109-0AG-014N	12/14V	0.6W to 1.2W	10,000	525	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0AG-024N	24V					
		S109-0AG-120AN	120VAC					
		S109-0AG-240AN	240VAC					
<b>505nm Blue Green SiC/GaN</b> 		S109-0BG-014N	12/14V	0.6W to 1.2W	2000	505	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0BG-024N	24V					
		S109-0BG-120AN	120VAC					
		S109-0BG-240AN	240VAC					
<b>470nm Super Blue SiC/GaN</b> 		S109-0PB-014N	12/14V	0.6W to 1.2W	3000	470	12° to 15°	Replace N in part number with required viewing angle  S - Standard (25° to 30°) M - Medium (45° to 50°) W - Wide (120° to 125°)
		S109-0PB-024N	24V					
		S109-0PB-120AN	120VAC					
		S109-0PB-240AN	240VAC					

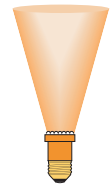
**Viewing Angle:**  
12° to 15°



Narrow Angle (N)

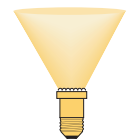
**Optional Viewing Angles:**

25° to 30°



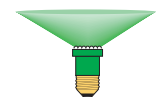
Standard Angle (S)

45° to 50°



Medium Angle (M)

120 to 125



Wide Angle (W)

**Notes:**

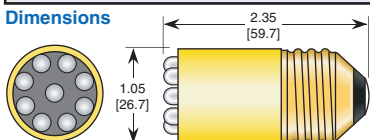
- Not all possible combinations of voltage, intensity and angle are available
- Intensity shown is for narrow angle. Intensity is reduced 12° to 15° times when using extra wide angles

**InfraReds**

850/880/940nm



**Dimensions**



**Low Cost Specials**

- 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

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