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PL0087_CL Series 1W High Power LED with Collimating Lens

Features

- *Ideal for Focused beam Applications
- *Efficient and Cost Effective
- *Molded From High Grade Optical Acrylic
- *Water Clear Lens
- *RoHS Compliant



Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	Chip Material	Color Emitted	Wavelength		Lux @ 1m		Forward Voltage		Total Included Angle $\theta 0.9v$	Viewing Angle $2\theta 1/2$
			CCT	nm	Min	Typ	Min	Max		
PL0087BCL-WCW PL0087CCL-WCW PL0087ECL-WCW	InGaN	White	6500	---	950 591 350	1350 850 500	2.7	4.0	10 15 25	7 9 12
PL0087BCL-WCWW PL0087CCL-WCWW PL0087ECL-WCWW	InGaN	Warm White	3200	---	660 420 240	950 600 350	2.7	4.0	10 15 25	7 9 12
PL0087BCL-WCB PL0087CCL-WCB PL0087ECL-WCB	InGaN	Blue	---	465	260 160 100	380 240 140	2.7	4.0	10 15 25	7 9 12
PL0087BCL-WCG PL0087CCL-WCG PL0087ECL-WCG	InGaN	True Green	---	525	600 380 220	860 540 320	2.7	4.0	10 15 25	7 9 12
PL0087BCL-WCY PL0087CCL-WCY PL0087ECL-WCY	AlInGaP	Yellow	---	590	470 320 180	680 450 260	1.8	2.8	10 15 25	7 9 12
PL0087BCL-WCR PL0087CCL-WCR PL0087ECL-WCR	AlInGaP	Hyper Red	---	625	520 350 200	750 500 280	1.8	2.8	10 15 25	7 9 12

Package Dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.

