



# Vertical & Right Angle Single/ BiLevel/ TriLevel/ QuadLevel 3mm & 5mm Circuit Board White LEDs

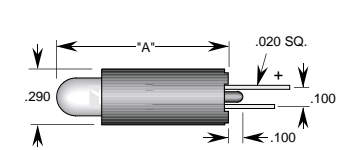
Discrete & PCB Packages	Part Number	LED Color	Lens Color	Electrical-Optical Characteristics (Ta = 25°C)			Chromaticity Coordinates typ		Full Viewing Angle
				If = mA typ/max	Iv mcd typ	Vf = V typ/max	X	Y	
	BP120CW900-300	Cool White	W Clear	20/30	1270	3.6/4.0	0.31	0.32	60°
	BPF120CW900-300	Cool White	W Clear	20/30	150	3.6/4.0	0.31	0.32	120°
	BP120CW2K-300	Cool White	W Clear	20/30	2000	3.6/4.0	0.31	0.32	25°

All dimensions in inches. For millimeters multiply by 25.4

Discrete & PCB Packages	Part Number	LED Color	Lens Color	Electrical-Optical Characteristics (Ta = 25°C)			Chromaticity Coordinates typ		Full Viewing Angle
				If = mA typ/max	Iv mcd typ	Vf = V typ/max	X	Y	
	BP280CW1K-3.6Vf-050T *	Cool White	W Clear	20/30	1100	3.6/4.0	0.31	0.32	50°
	BP280CW4K-3.6Vf-050T *	Cool White	W Clear	20/30	5600	3.6/4.0	0.31	0.32	20°
	BPF280CW1K-3.6Vf-050T*	Cool White	W Clear	20/30	160	3.6/4.0	0.31	0.32	120°
	BP280CPW1K-3.6Vf-050T*	Pale White	W Clear	20/30	1100	3.6/4.0	0.35	0.37	50°
	BPF280CPW1K-3.6Vf-050T*	Pale White	W Clear	20/30	160	3.6/4.0	0.35	0.37	120°
	BP280CIW2K-3.6Vf-050T *	Warm White	W Clear	20/30	2000	3.6/4.0	0.45	0.42	20°
BPF280CIW2K-3.6Vf-050T*	Warm White	W Clear	20/30	80	3.6/4.0	0.45	0.42	120°	

All dimensions in inches. For millimeters multiply by 25.4

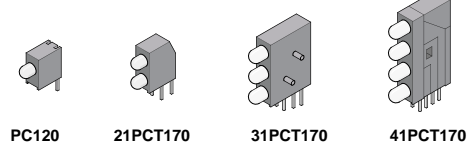
### 5mm Variable Height Spacer LED



*	Height "A"
-050T	0.50"/xxmm
-060T	0.60"/xxmm
-070T	0.70"/xxmm
-080T	0.80"/xxmm
-090T	0.90"/xxmm
-100T	1.00"/xxmm

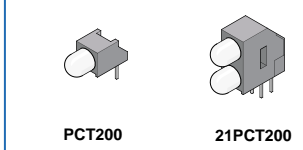
For LED Specs See Part Number BP280CW1K Above

### T1 (3mm) Right Angle LEDs



For LED Specs See Part Number BP120CW900 Above

### T1-3/4 (5mm) Right Angle LEDs



For LED Specs See Part Number BP280CW1K Above

### Custom Packages

White LED Backlighting Clusters

White LED Flexible Path Lighting

White LED Illuminator Strips

White LED FlashLED

White LED T8 Replacement Lamp

**Caution** A white LED is sensitive to static electricity and care should be taken in handling it. When an overvoltage is applied, which exceeds the absolute maximum rating of the white LED, its energy damages the LED.