



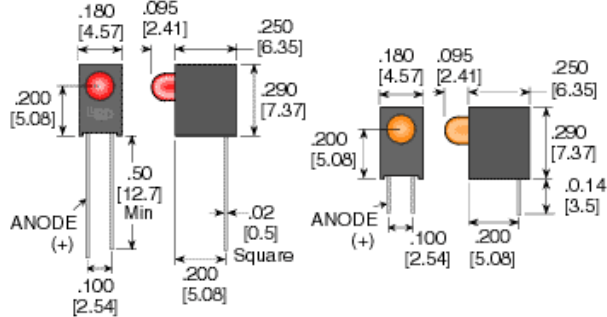
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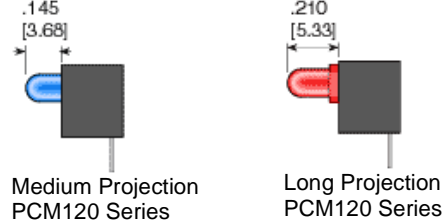
## 3mm Right-Angle PCB LEDs

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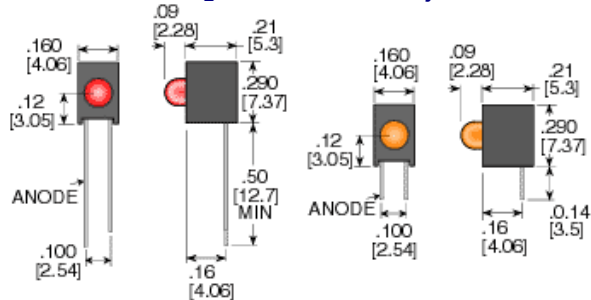
### Series PC120 Figure 1. Standard Projection



### Custom Options















### Series PC110 Figure 2. Standard Projection



Custom Options: Contact factory for all custom inquiries.

Lens Color/Type: Dif. = Diffused, Wtr-Clr = Water Clear

Isometric Image	Part Number		Emitted Color	Lens Color/Type	Projection Type	Electrical-Optical Characteristics (T <sub>a</sub> = 25°C)				View Angle (2θ <sub>1/2</sub> )	Fig.
	Long Lead (0.5" Min.)	Short Lead (0.14")				I <sub>f</sub> (mA)	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)		
<b>T1 (3mm) High-Efficiency (Diffused) LEDs</b>											
	PC120TR6	PC120TR6-140	Ultra Red	Red Dif.	Std.	20	100	1.7/2.6	660	45°	1
	PC120TR4 (5)	PC120TR4-140	HE Red	Red Dif.	Std.	20	24	2.0/2.8	635	45°	
	PC120TR1	PC120TR1-140	Std Red	Red Dif.	Std.	20	3	1.7/2.0	665	45°	
	PC120TO4 (5)	PC120TO4-140	Orange	Orn Dif.	Std.	20	30	2.1/2.8	610	45°	
	PC120TY4 (5)	PC120TY4-140	Yellow	Yel Dif.	Std.	20	22	2.1/2.8	585	45°	
	PC120TG4 (5)	PC120TG4-140	HE Green	Grn Dif.	Std.	20	18	2.1/2.8	565	45°	
	PC120TUB5	PC120TUB5-140	Ultra Blue	Blu Dif.	Std.	20	2.4	3.8/5.0	430	45°	
<b>T1 (3mm) Sunlight-Visible (Diffused) LEDs</b>											
	PC120T0UR	PC120T-0UR-140	Ultra Red	Red Dif.	Std.	20	700	2.0/2.6	660	45°	1
	PC120T0UO	PC120T-0UO-140	Orange	Orn Dif.	Std.	20	1000	2.0/2.6	610	45°	
	PC120T0UY	PC120T-0UY-140	Yellow	Yel Dif.	Std.	20	480	2.0/2.6	592	45°	
	PC120T0UG	PC120T-0UG-140	Lime Green	Grn Dif.	Std.	20	300	2.0/2.6	570	45°	
	PC120T1AG	PC120T-1AG-140	Aqua Grn	Grn Dif.	Std.	20	300	3.5/4.0	523	45°	
	PC120T1PB	PC120T-1PB-140	Pure Blue	Blu Dif.	Std.	20	120	3.6/4.0	470	45°	
<b>T1 (3mm) 2mA Low-Current (Diffused) LEDs</b>											
	PC120TR5N-LC	PC120TR5N-140/LC	HE Red	Red Dif.	Std.	20	2.2	1.8/2.2	635	45°	1
	PC120TY5N-LC	PC120TY5N-140/LC	Yellow	Yel Dif.	Std.	20	2.3	1.9/2.7	585	45°	
	PC120TG5N-LC	PC120TG5N-140/LC	HE Green	Grn Dif.	Std.	20	2.2	1.8/2.2	568	45°	
Isometric Image	Part Number		Emitted Color	Lens Color/Type	Projection Type	Electrical-Optical Characteristics (T <sub>a</sub> = 25°C)				View Angle (2θ <sub>1/2</sub> )	Fig.
	Long Lead (0.5" Min.)	Short Lead (0.14")				I <sub>f</sub> (mA)	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)		
<b>T1 (3mm) 2mA High-Efficiency (Water-Clear) LEDs</b>											
	PC120CWR5N	PC120CWR5N-140	HE Red	Wtr-Clr	Std.	20	100	2.0/2.6	635	30°	1
	PC120CWY5N	PC120CWY5N-140	Yellow	Wtr-Clr	Std.	20	90	2.1/2.6	585	30°	

	PC120CWG5N	PC120CWG5N-140	HE Green		Wtr-Clr	Std	20	110	2.1/2.6	568	30°	
<b>T1 (3mm) High-Efficiency (Tinted) LEDs</b>												
	PC120CR4 (5)	PC120CR4-140	HE Red		Red Clr	Std	20	100	2.0/2.6	635	30°	1
	PC120CY4 (5)	PC120CY4-140	Yellow		Yel Clr	Std	20	90	2.1/2.6	585	30°	
	PC120CG4 (5)	PC120CG4-140	HE Green		Grn Clr	Std	20	110	2.1/2.6	568	30°	
<b>T1 (3mm) Sunlight-Visible (Water-Clear) LEDs</b>												
	PC120CW-0UR	PC120CW-0UR-140	Ultra Red		Wtr-Clr	Std	20	800	2.0/2.6	660	30°	1
	PC120CW-0UO	PC120CW-0UO-140	Orange		Wtr-Clr	Std	20	600	2.0/2.6	620	30°	
	PC120CW-0UY	PC120CW-0UY-140	Yellow		Wtr-Clr	Std	20	700	2.0/2.6	595	30°	
	PC120CW-1CW	PC120CW-1CW-140	Cool White		Wtr-Clr	Std	20	250	3.6/4.0	8000K	30°	
	PC120CW-0UG	PC120CW-0UG-140	Lime Green		Wtr-Clr	Std	20	600	2.0/2.6	570	30°	
	PC120CW-1AG	PC120CW-1AG-140	Aqua Grn		Wtr-Clr	Std	20	600	3.5/4.0	525	30°	
	PC120CW-1PB	PC120CW-1PB-140	Pure Blue		Wtr-Clr	Std	20	400	3.6/4.0	470	30°	
<b>T1 (3mm) Bi-Color (Diffused) LEDs, 2-Leaded</b>												
	PC120TWRG4B	PC120TWRG4B-140	HE Red		White Diffused	Std	20	30	2.0/2.6	630	50°	1
			HE Green				20	30	2.2/2.6	568	50°	
	PC120TwyG4B	PC120TwyG4B-140	Yellow		White Diffused	Std	20	15	2.1/2.6	585	50°	
			HE Green				20	30	2.2/2.8	568	50°	
<b>T1 (3mm) 5V Integrated Resistor (Diffused) LEDs</b>												
	PC120TR3-5V	PC120TR3-5V-140	HE Red		Red Dif.	Std	20	4	5V	635	30°	1
	PC120TY3-5V	PC120TY3-5V-140	Yellow		Yel Dif.	Std	20	4	5V	585	30°	
	PC120TG3-5V	PC120TG3-5V-140	HE Green		Grn Dif.	Std	20	3.5	5V	565	30°	
Isometric Image	Part Number		Emitted Color	Lens Color/Type	Projection Type	Electrical-Optical Characteristics (T <sub>a</sub> = 25°C)				View Angle (2θ <sub>1/2</sub> )	Fig.	
	Long Lead (0.5" Min.)	Short Lead (0.14")				I <sub>f</sub> (mA)	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)			
<b>T1 (3mm) High-Efficiency (Diffused) LEDs</b>												
	PC110TR6	PC110TR6-140	Ultra Red		Red Dif.	Std	20	100	1.7/2.6	660	45°	2
	PC110TR4 (5)	PC110TR4-140	HE Red		Red Dif.	Std	20	24	2.0/2.8	635	45°	
	PC110TR1	PC110TR1-140	Std Red		Red Dif.	Std	20	3	1.7/2.0	665	45°	
	PC110TO4 (5)	PC110TO4-140	Orange		Orn Dif.	Std	20	30	2.1/2.8	610	45°	
	PC110TY4 (5)	PC110TY4-140	Yellow		Yel Dif.	Std	20	22	2.1/2.8	585	45°	
	PC110TG4 (5)	PC110TG4-140	HE Green		Grn Dif.	Std	20	18	2.1/2.8	565	45°	
	PC110TUB5	PC110TUB5-140	Ultra Blue		Blu Dif.	Std	20	2.4	3.8/5.0	430	45°	
<b>T1 (3mm) Sunlight-Visible (Diffused) LEDs</b>												
	PC110T0UR	PC110T-0UR-140	Ultra Red		Red Dif.	Std	20	700	2.0/2.6	660	45°	2
	PC110T0UO	PC110T-0UO-140	Orange		Orn Dif.	Std	20	1000	2.0/2.6	610	45°	
	PC110T0UY	PC110T-0UY-140	Yellow		Yel Dif.	Std	20	480	2.0/2.6	592	45°	
	PC110T0UG	PC110T-0UG-140	Lime Green		Grn Dif.	Std	20	300	2.0/2.6	570	45°	
	PC110T1AG	PC110T-1AG-140	Aqua Grn		Grn Dif.	Std	20	300	3.5/4.0	523	45°	
	PC110T1PB	PC110T-1PB-140	Pure Blue		Blu Dif.	Std	20	120	3.6/4.0	470	45°	
<b>T1 (3mm) Bicolor (Diffused) LEDs, 2-Leaded</b>												
	PC110TWRG4B	PC110TWRG4B-140	HE Red		White Diffused	Std	20	30	2.0/2.6	630	50°	2
			HE Green				20	30	2.2/2.6	568	50°	
	PC110TwyG4B	PC110TwyG4B-140	Yellow		White Diffused	Std	20	15	2.1/2.6	585	50°	
			HE Green				20	30	2.2/2.8	568	50°	

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