



# T1 (3mm) Right-Angled Bi-Level PCB LEDs

Part Number		Emitted Color	Lens Color/Type	Projection Type	Electrical-Optical Characteristics (Ta = 25°C)				View Angle 2θ <sub>1/2</sub>	Figure
Long Lead (0.500" Min.)	Short Lead (0.140")				I <sub>f</sub> (mA)	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)		

## T1 (3mm) Bi-Level, Same or Mix Color, High-Efficiency (Diffused) LEDs

<p>Same Color</p> <p>Mix Color (See Fig. 1 Part Number Example)</p>	21PCT120TR6	21PCT120TR6-140	ULTRA RED	●	RED Diffused	Standard	20	150	1.7/2.6	660	45°	1
	21PCT120TR4 (5)	21PCT120TR4-140	HE RED	●	RED Diffused	Standard	20	30	2.0/2.8	635	45°	
	21PCT120T04 (5)	21PCT120T04-140	ORANGE	●	ORN Diffused	Standard	20	14	2.1/2.8	610	45°	
	21PCT120TY4 (5)	21PCT120TY4-140	YELLOW	●	YEL Diffused	Standard	20	24	2.1/2.8	585	45°	
	21PCT120TG4 (5)	21PCT120TG4-140	HE GREEN	●	GRN Diffused	Standard	20	12	2.1/2.8	565	45°	
	21PCT120TUB5	21PCT120TUB5-140	ULTRA BLUE	●	BLU Diffused	Standard	20	30	3.8/5.0	430	45°	

## T1 (3mm) Bi-Level, Same or Mix Color, Sunlight-Visible (Diffused) LEDs

<p>Same Color</p> <p>Mix Color (See Fig. 1 Part Number Example)</p>	21PCT120T-0UR	21PCT120T-0R-140	ULTRA RED	●	RED Diffused	Standard	20	700	2.0/2.6	660	45°	1
	21PCT120T-0UO	21PCT120T-0O-140	ORANGE	●	ORN Diffused	Standard	20	1000	2.0/2.6	610	45°	
	21PCT120T-0UY	21PCT120T-0Y-140	YELLOW	●	YEL Diffused	Standard	20	480	2.0/2.6	592	45°	
	21PCT120T-0UG	21PCT120T-0G-140	LIME GREEN	●	GRN Diffused	Standard	20	300	2.0/2.6	570	45°	
	21PCT120T-1AG	21PCT120T-1AG-140	AQUA GREEN	●	GRN Diffused	Standard	20	300	3.5/4.0	523	45°	
	21PCT120T-1PB	21PCT120T-1PB-140	PURE BLUE	●	BLU Diffused	Standard	20	120	3.6/4.0	470	45°	

## T1 (3mm) Bi-Level, Same or Mix Color, 2mA Low Current (Diffused) LEDs

See above	21PCT120TR5N-LC	21PCT120TR5N-140/LC	HE RED	●	RED Diffused	Standard	2	2.2	1.8/2.2	635	45°	1
	21PCT120TY5N-LC	21PCT120TY5N-140/LC	YELLOW	●	YEL Diffused	Standard	2	2.3	1.9/2.7	585	45°	
	21PCT120TG5N-LC	21PCT120TG5N-140/LC	HE GREEN	●	GRN Diffused	Standard	2	2.2	1.8/2.2	568	45°	

## T1 (3mm) Bi-Level, Same or Mix Color, High-Efficiency (Tinted-Clear) LEDs

See above	21PCT120CR5N	21PCT120CR4-140	HE RED	●	RED Clear	Standard	20	100	2.0/2.6	635	30°	1
	21PCT120CY5N	21PCT120Y4-140	YELLOW	●	YEL Clear	Standard	20	90	2.1/2.6	585	30°	
	21PCT120CG5N	21PCT120CG4-140	HE GREEN	●	GRN Clear	Standard	20	110	2.1/2.6	565	30°	

## T1 (3mm) Bi-Level, Same or Mix Color, 5V Integrated Resistor (Diffused) LEDs

See above	21PCT120TR3-5V	21PCT120TR3-5V-140	HE RED	●	RED Diffused	Standard	20	4	5V	635	30°	1
	21PCT120TY3-5V	21PCT120TY3-5V-140	YELLOW	●	YEL Diffused	Standard	20	4	5V	585	30°	
	21PCT120TG3-5V	21PCT120TG3-5V-140	HE GREEN	●	GRN Diffused	Standard	20	3.5	5V	565	30°	

## T1 (3mm) Bi-Level, Same or Mix Color, Sunlight-Visible (Water-Clear) LEDs

<p>Same Color</p> <p>Mix Color (See Fig. 1 Part Number Example)</p>	21PCT120-0UR	21PCT120CW-0R-140	ULTRA RED	●	Water-Clear	Standard	20	800	2.0/2.6	660	30°	1
	21PCT120-0UO	21PCT120CW-0O-140	ORANGE	●	Water-Clear	Standard	20	600	2.0/2.6	620	30°	
	21PCT120-0UY	21PCT120CW-0Y-140	YELLOW	●	Water-Clear	Standard	20	700	2.0/2.6	595	30°	
	21PCT120-1CW	21PCT120CW-1CW-140	COOL WHITE	○	Water-Clear	Standard	20	250	3.6/4.0	592	30°	
	21PCT120-0UG	21PCT120CW-0G-140	LIME GRN	●	Water-Clear	Standard	20	600	2.0/2.6	570	30°	
	21PCT120-1AG	21PCT120CW-1AG-140	AQUA GREEN	●	Water-Clear	Standard	20	600	3.5/4.0	525	30°	
	21PCT120-1PB	21PCT120CW-1PB-140	PURE BLUE	●	Water-Clear	Standard	20	400	3.6/4.0	470	30°	

## T1 (3mm) Bi-Level, Same or Mix Color, High-Efficiency (Water-Clear) LEDs

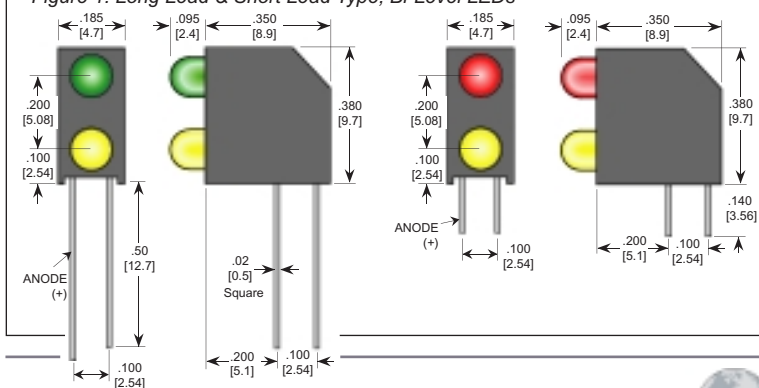
See above	21PCT120CWR5N	21PCT120CWR5N-140	HE RED	●	Water-Clear	Standard	20	100	2.0/2.6	635	30°	1
	21PCT120CWY5N	21PCT120CWY5N-140	YELLOW	●	Water-Clear	Standard	20	90	2.1/2.6	585	30°	
	21PCT120CWG5N	21PCT120CWG5N-140	HE GREEN	●	Water-Clear	Standard	20	110	2.1/2.6	568	30°	

## T1 (3mm) Bi-Level, Same or Mix Color, Bicolor (Diffused) LEDs, 2-Leaded

See above	21PCT120TWRG4B	21PCT120TWRG4B-140	HE RED	●	WHT Diffused	Standard	20	30	2.0/2.6	630	50°	1
			HE GREEN	●		Standard	20	30	2.2/2.6	568	50°	
	21PCT120TWYG4B	21PCT120TWYG4B-140	YELLOW	●	WHT Diffused	Standard	20	15	2.1/2.6	585	50°	
			HE GREEN	●		Standard	20	30	2.2/2.8	568	50°	

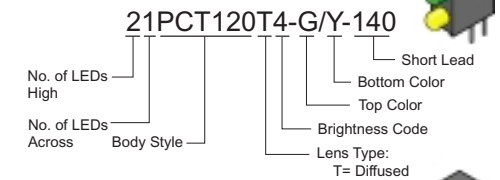
## Custom Options: OEM large quantity requirements

Figure 1. Long Lead & Short Lead Type, Bi-Level LEDs



### Part Number Example: Mix Color

21PCT120T4-G/Y (Green top, Yellow bottom)



### Part Number Example: 1 Blank Space

21PCT120T4-G/x (Green top, Blank bottom)



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

Log # 125M pg2 Rev 07-2001