



# 3mm Right-Angle Bilevel PCB LEDs

Series 21PCT120

Figure 1. Standard Projection

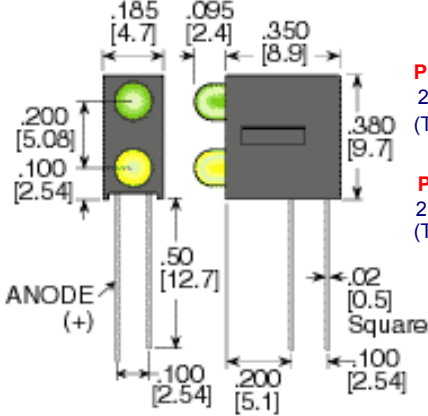
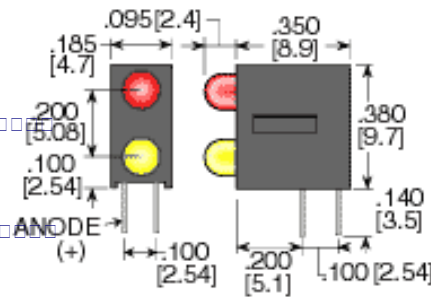


Figure 2. Standard Projection



**PN Example Same Color:**

21PCT120TG4  
(Top Green, Bottom Green) □□

**PN Example Mix Color:**

21PCT120T4-G/Y □□  
(Top Green, Bottom Yellow) □□

**PN Example 1 Blank Position:** □□

21PCT120T4-G/X □□  
(Top Green, Bottom Blank)

**PN Example Same Color:** □□

21PCT120TR4-140  
(Top Red, Bottom Red) □□□□

**PN Example Mix Color:** □□

21PCT120T4-R/Y-140 □□  
(Top Red, Bottom Yellow) □□□□

**PN Example 1 Blank Position:** □□




















21PCT120T4-R/X-140 □□  
(Top Red, Bottom Blank)

Custom Options: Contact factory for all custom inquiries.  
Retail Price; \*Volume Discount Available

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

Iso-metric 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.
	Ord. Mk.	Long Lead (0.5" Min.)	Retail Price (*)	Ord. Mk.	Short Lead (0.14")	Retail Price (*)				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>															
		21PCT120TR6			21PCT120TR6-140		Ultra Red	Red Dif.	Std.	20	100	1.7/2.6	660	45°	1
		21PCT120TR4 (5)			21PCT120TR4-140		HE Red	Red Dif.	Std.	20	30	2.0/2.8	635	45°	
		21PCT120TR1			21PCT120TR1-140		Std Red	Red Dif.	Std.	20	3	1.7/2.0	665	45°	
		21PCT120TO4 (5)			21PCT120TO4-140		Orange	Orn Dif.	Std.	20	14	2.1/2.8	610	45°	
		21PCT120TY4 (5)			21PCT120TY4-140		Yellow	Yel Dif.	Std.	20	24	2.1/2.8	585	45°	
		21PCT120TG4 (5)			21PCT120TG4-140		HE Green	Grn Dif.	Std.	20	12	2.1/2.8	565	45°	
		21PCT120TUB5			21PCT120TUB5-140		Ultra Blue	Blu Dif.	Std.	20	30	3.8/5.0	430	45°	
<b>T1 (3mm) Sunlight-Visible (Diffused) LEDs</b>															
		21PCT120T-0R			21PCT120T-0R-140		Ultra Red	Red Dif.	Std.	20	700	2.0/2.6	660	45°	1
		21PCT120T-0O			21PCT120T-0O-140		Orange	Orn Dif.	Std.	20	1000	2.0/2.6	610	45°	
		21PCT120T-0Y			21PCT120T-0Y-140		Yellow	Yel Dif.	Std.	20	480	2.0/2.6	592	45°	
		21PCT120T-0G			21PCT120T-0G-140		Lime Grn	Grn Dif.	Std.	20	300	2.0/2.6	570	45°	
		21PCT120T-1AG			21PCT120T-1AG-140		Aqua Grn	Grn Dif.	Std.	20	300	3.5/4.0	523	45°	
		21PCT120T-1PB			21PCT120T-1PB-140		Pure Blue	Blu Dif.	Std.	20	120	3.6/4.0	470	45°	
<b>T1 (3mm) 2mA Low-Current (Diffused) LEDs</b>															
see above		21PCT120TR5N-LC			21PCT120TR5N-140/LC		HE Red	Red Dif.	Std.	20	2.2	1.8/2.2	635	45°	1
		21PCT120TY5N-LC			21PCT120TY5N-140/LC		Yellow	Yel Dif.	Std.	20	2.3	1.9/2.7	585	45°	
		21PCT120TG5N-LC			21PCT120TG5N-140/LC		HE Green	Grn Dif.	Std.	20	2.2	1.8/2.2	568	45°	
<b>Table with Headers (repeated from top of table)</b>															

Custom Options: Contact factory for all custom inquiries.  
Retail Price; \*Volume Discount Available

Iso-metric 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.
	Ord. Mk.	Long Lead (0.5" Min.)	Retail Price (*)	Ord. Mk.	Short Lead (0.14")	Retail Price (*)				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>															
see above		21PCT120CWR5N		21PCT120CWR5N-140		HE Red		Wtr-Clr	Std	20	100	2.0/2.6	635	30°	1
		21PCT120CWY5N		21PCT120CWY5N-140		Yellow		Wtr-Clr	Std	20	90	2.1/2.6	585	30°	
		21PCT120CWG5N		21PCT120CWG5N-140		HE Green		Wtr-Clr	Std	20	110	2.1/2.6	568	30°	
<b>T1 (3mm) High-Efficiency (Tinted-Clear) LEDs</b>															
see above		21PCT120CR4 (5)		21PCT120CR4-140		HE Red		Red Clr	Std	20	100	2.0/2.6	635	30°	1
		21PCT120CY4 (5)		21PCT120CY4-140		Yellow		Yel Clr	Std	20	90	2.1/2.6	585	30°	
		21PCT120CG4 (5)		21PCT120CG4-140		HE Green		Grn Clr	Std	20	110	2.1/2.6	568	30°	
<b>T1 (3mm) Sunlight-Visible (Water-Clear) LEDs</b>															
		21PCT120-0R		21PCT120-0R-140		Ultra Red		Wtr-Clr	Std	20	800	2.0/2.6	660	30°	1
		21PCT120-0O		21PCT120-0O-140		Orange		Wtr-Clr	Std	20	600	2.0/2.6	620	30°	
		21PCT120-0Y		21PCT120-0Y-140		Yellow		Wtr-Clr	Std	20	700	2.0/2.6	595	30°	
		21PCT120-1CW		21PCT120-1CW-140		Cool White		Wtr-Clr	Std	20	250	3.6/4.0	8000K	30°	
		21PCT120-0G		21PCT120-0G-140		Lime Grn		Wtr-Clr	Std	20	600	2.0/2.6	570	30°	
		21PCT120-1AG		21PCT120-1AG-140		Aqua Grn		Wtr-Clr	Std	20	600	3.5/4.0	525	30°	
		21PCT120-1PB		21PCT120-1PB-140		Pure Blue		Wtr-Clr	Std	20	400	3.6/4.0	470	30°	
<b>T1 (3mm) Bi-Color (Diffused) LEDs, 2-Leaded</b>															
see above		21PCT120TWRG4B		21PCT120TWRG4B-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°	
		21PCT120TwyG4B		21PCT120TwyG4B-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>															
see above		21PCT120TR3-5V		21PCT120TR3-5V-140		HE Red		Red Dif.	Std	20	4	5V	635	30°	1
		21PCT120TY3-5V		21PCT120TY3-5V-140		Yellow		Yel Dif.	Std	20	4	5V	585	30°	
		21PCT120TG3-5V		21PCT120TG3-5V-140		HE Green		Grn Dif.	Std	20	3.5	5V	565	30°	

Custom Options: Contact factory for all custom inquiries.  
Retail Price; \*Volume Discount Available

23105 Kashiwa Ct, Torrance, CA 90505 - PH: (800) 579-4875/(310) 534-1505 - FAX: (310) 534-1424  
© Copyright 1997-2001 LEDtronics, Inc. All Rights Reserved - Contact [Webmaster@ledtronics.com](mailto:Webmaster@ledtronics.com)

[http://datasheets.led.net/Pages/3mm\\_pcb/125m-2.htm](http://datasheets.led.net/Pages/3mm_pcb/125m-2.htm) [10/1/2001 9:59:55 AM]