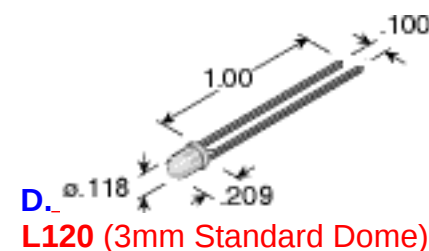
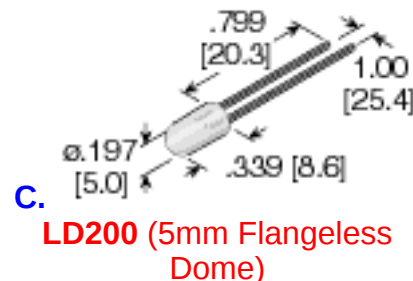
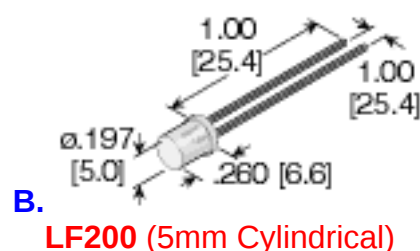
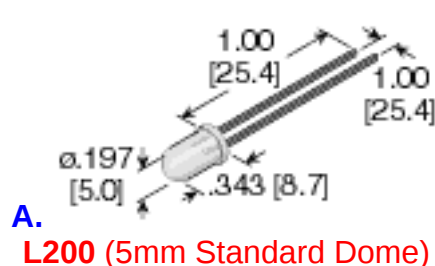




Sunlight-Visible Waterclear Lens Illuminators

T1¾ (5mm) Super Cool-White InGaN Discrete LEDs



Electrical-Optical Characteristics ($T_a = 25^\circ\text{C}$)

Mark To Order	Part Number	Fig.	Retail Price (Volume Discount Available)	LED Color	Lens Color	M A X	If (mA) typ	Iv (mcd) typ	Vf (V) typ/ max	Color Temp.	Chromaticity Coordinates typ		Full Viewing Angle 2θ½ (deg)
											X	Y	
T1 (3mm) Cool-White Discretes													
	L120CW3KB-22D	D	\$2.00	C. White	W Clear	(4)	20	4500	3.5/4.0	8000K	0.32	0.31	22°
T1¾ (5mm) Cool-White Discretes													
	L200CW6KB-12D	A	\$1.60	C. White	W Clear	(1)	20	6000	3.5/4.0	8000K	0.32	0.31	12°
	L200CW8KB-12D	A	\$2.00	C. White	W Clear	(1)	20	8000	3.5/4.0	8000K	0.32	0.31	12°
	L200CW4KB-22D	A	\$1.60	C. White	W Clear	(1)	20	4000	3.5/4.0	8000K	0.32	0.31	22°
	L200CW6KB-22D	A	\$2.00	C. White	W Clear	(1)	20	6000	3.5/4.0	8000K	0.32	0.31	22°
	L200CW2KB-33D	A	\$1.60	C. White	W Clear	(1)	20	2000	3.5/4.0	8000K	0.32	0.31	33°
	L200CW3KB-33D	A	\$2.00	C. White	W Clear	(1)	20	3000	3.5/4.0	8000K	0.32	0.31	33°
	L200CW1KB-15D		Use Alt	Use L200CW6KB-12D									
	L200CW1KB-30D		Use Alt	Use L200CW2KB-33D									
	LF200CW6KB-27	B	\$1.60	C. White	W Clear	(1)	20	400	3.3/4.0	8000K	0.32	0.31	125°
	LD200CW6K-20D	C	\$2.92	C. White	W Clear	(3)	20	5600	3.6/4.0	8000K	0.31	0.32	20°
	LD200CW2K-50D	C	\$2.92	C. White	W Clear	(3)	20	1560	3.6/4.0	8000K	0.31	0.32	50°
	LF200CW6K-27	B	\$2.92	C. White	W Clear	(3)	20	500	3.6/4.0	8000K	0.31	0.32	125°

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$, $I_f = 20\text{mA}$)

Code	P_d (mW)	I_{fp} (mA)	I_f (mA)	V_f (V)	T_{opr} (°C)	T_{sto} (°C)	Pulse width	Lead Soldering
(1)	120	100	30	5	-40 to ~ +80	-40 to ~ +80	$\leq 10\text{ms}$, Duty Cycle $\leq 1/10$	1.6mm (.063in.) from body, 260°C for 5 sec.
(2)	120	100	30	5	-20 to ~ +80	-30 to ~ +100	$\leq 10\text{ms}$, Duty Cycle $\leq 1/10$	1.6mm (.063in.) from body, 260°C for 5 sec.
(3)	120	100	30	5	-30 to ~ +85	-40 to ~ +100	$\leq 10\text{ms}$, Duty Cycle $\leq 1/10$	1.6mm (.063in.) from body, 260°C for 5 sec.
(4)	120	150	30	5	-40 to ~ +80	-40 to ~ +85	$\leq 10\text{ms}$, Duty Cycle $\leq 1/10$	1.6mm (.063in.) from body, 260°C for 5 sec.