

REV.	DESCRIPTION	DATE	APPROVED
J	Added 5XRC2.530	12/21/04	M. C.
K	Added 5XRC0.960	01/27/05	M. C.
L	Changed 5PC0.820 & 5PD0.445 Peak Wavelength.	02/17/05	M. C.
M	Changed 5YC5.523 mcd Rating.	08/12/05	M. C.
N	Added Flange (F) P/Ns. See Page 2.	03/22/10	T. Y.
P	Added Tolerance to LED Body	04/08/11	T. Y.

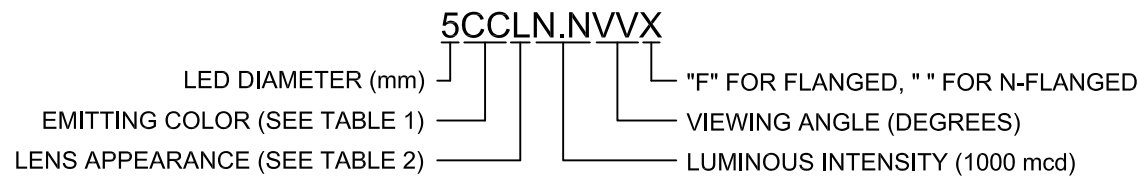
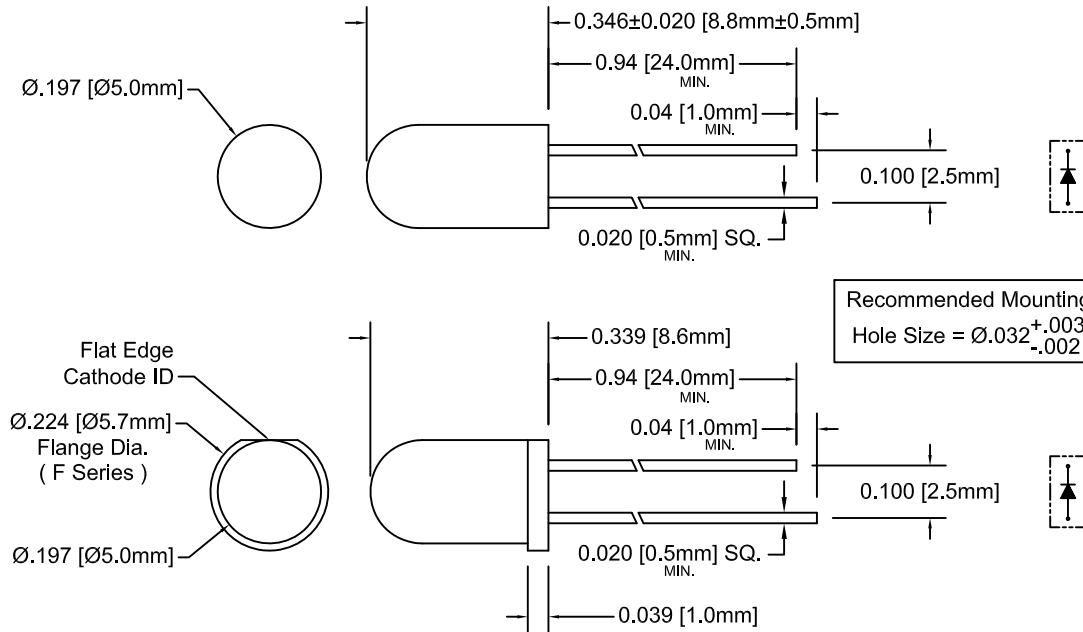


TABLE 1


Color	Color Code
Amber	A
Blue	BW
Green	G
Orange	O
Red	R/XR
Purple	P
Turquoise	T
Yellow	Y

TABLE 2

Lens Appearance	Lens Code
Water Clear	C
Diffused	D
Tinted	T


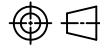
ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE	5V
REVERSE CURRENT (VR=5V)	100µA
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C
STORAGE TEMPERATURE	-40°C ~ 100°C
LEAD SOLDERING TEMPERATURE (1/16" FROM BODY)	260°C for 5 Seconds

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	TITLE: T-1¼ (5mm) & FLANGED LED, COLOR PART NO: 5CCLN.NVVX REVISION: P	
.XX ± .02			
.XXX ± .010			
DESIGNED: David Green	DATE: 12/23/02	CAGE CODE : 32559 SHEET # 1 OF 2	
CHECKED: M. Chen	DATE: 12/23/02	CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.	

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings			Electro-Optical Data @ 20ma					Viewing Angle 2 θ 1/2 (Deg)
	Material	Peak Wave Length λ_p (nm)	Emitted Color		Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)			
								TYP	MAX	MIN	TYP	MAX	
5PC0.820(F)	-	445	PURPLE	WATER CLEAR	120	30	150	3.6	4	600	800	1200	20
5PD0.445(F)	-	450	PURPLE	PINK DIFFUSED	120	30	150	3.6	4	200	350	500	45
5BWC2.515(F)	-	468	BLUE	WATER CLEAR	76	50	150	3.7	4.5	2000	2500	3000	15
5BWC1.230(F)	InGaN/SiC	468	BLUE	WATER CLEAR	100	35	100	3.4	3.9	700	1200	1700	30
5BWC1.830(F)	InGaN/SiC	468	BLUE	WATER CLEAR	100	35	100	3.4	3.9	1300	1900	2500	30
5BWD0.345(F)	InGaN	470	BLUE	DIFFUSED	70	20	70	3.5	4	100	200	300	45
5XGC10.015(F)	InGaN/SiC	525	GREEN	WATER CLEAR	100	35	100	3.4	3.9	7800	10000	11900	15
5GC9.015(F)	-	528	GREEN	WATER CLEAR	120	30	150	3.6	4	8000	9000	10000	15
5YD0.430(F)	AlGaInP	590	YELLOW	DIFFUSED	75	30	100	2.2	2.4	300	400	750	30
5YC5.523(F)	AlGaInP	590	YELLOW	WATER CLEAR	75	30	100	2.2	2.4	4000	5500	7000	23
5YC2.723(F)	AlGaInP	590	YELLOW	WATER CLEAR	75	30	100	2.2	2.4	2000	2700	4000	23
5YC4.030(F)	AlGaInP	590	YELLOW	WATER CLEAR	100	35	100	2.25	2.8	3000	4000	6500	30
5XRC0.960(F)	AlGaInP	630	RED	WATER CLEAR	100	35	100	2.1	2.5	600	900	1300	60
5XRC2.530(F)	AlGaInP	630	RED	WATER CLEAR	100	35	100	2.1	2.5	1800	2500	3500	30
5XRC2.723(F)	AlGaInP	630	RED	WATER CLEAR	75	30	100	2.2	2.4	2000	2700	4000	23
5XRC8.515(F)	AlGaInP	635	RED	WATER CLEAR	100	35	100	2.2	2.7	6000	8500	10200	15
5XRC4.530(F)	AlGaInP	633	RED	WATER CLEAR	-	30	50	2.2	2.6	3900	4500	5600	30

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) $\pm 10\%$ ALL VALUES		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974
ANGULAR $X^\circ \pm 5^\circ$		
		TITLE: T-1 3/4 (5mm) & FLANGED LED, COLOR
DESIGNED: David Green	DATE: 12/23/02	PART NO: 5CCLN.NVVX REVISION: P
CHECKED: M. Chen	DATE: 12/23/02	CAGE CODE : 32559 SHEET # 2 OF 2 CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.