

ACTUAL SIZE

LUMINOUS INTENSITY (mcd):

1.)

(IF=20mA)		
MIN	Typ.	MAX.
310	600	

LUMINOUS FLUX:

2.)

(IF=20mA)		
MIN	Typ.	MAX.

3.)

RADIANT INTENSITY μW/sr (typ)
-

4.)

PURITY (%) typ
-

5.)

CHROMATICITY COORDINATES				
X	0.27	0.29	0.26	0.25
Y	0.29	0.26	0.23	0.25

NOTES:

- LUMINOUS INTENSITY IS MEASURED WITH A LIGHT SENSOR AND FILTER COMBINATION THAT APPROXIMATES THE CIE EYE-RESPONSE CURVE.
- θ1/2 IS THE OFF-AXIS ANGLE AT WHICH THE LUMINOUS INTENSITY IS HALF THE AXIAL LUMINOUS INTENSITY.

COLOR BIN LIMITS (IF=20 mA):

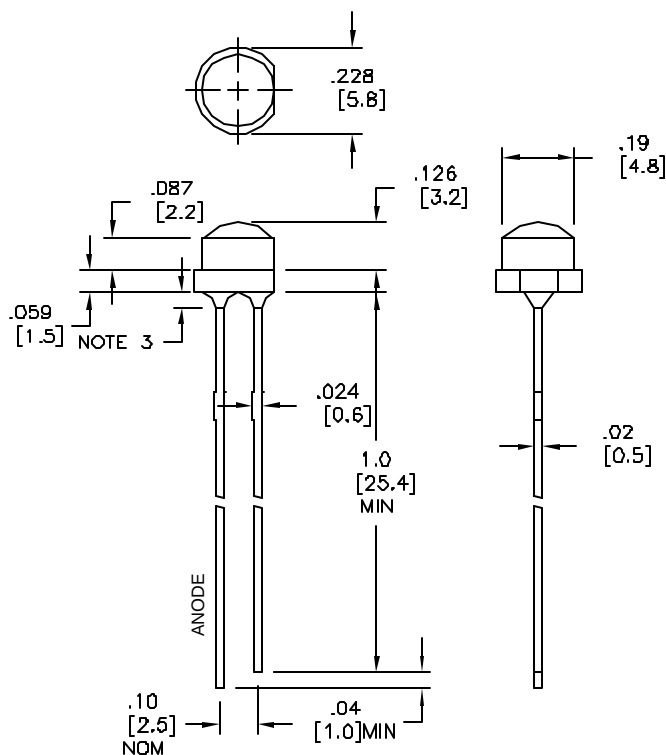
6.)

COLOR RENDERING INDEX (CRI)	APPROXIMATE COLOR TEMPERATURE (K)
-	-

NOTES:

- ALL DIMS ARE IN INCHES [MILLIMETERS].
- TOLERANCE IS ±.10" [±0.25mm] UNLESS OTHERWISE SPECIFIED.
- PROTRUDED RESIN UNDER FLANGE IS 0.4" [1.0mm] MAX.
- LEAD SPACING IS MEASURED WHERE LEADS EMERGE FROM THE PACKAGE.
- SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- PRECAUTIONS FOR ESD: STATIC ELECTRICITY AND SURGES CAN DAMAGE THE LED. IT IS RECOMMENDED TO USE A WRIST BAND OR ANTI-ELECTROSTATIC GLOVE WHEN HANDLING THE LED. ALL DEVICES, EQUIPMENT AND MACHINERY MUST BE PROPERLY GROUNDED.
- CHIP MATERIAL: InGaN.

LTR	REVISION	DATE	APPD
-	RELEASED	10-21-04	



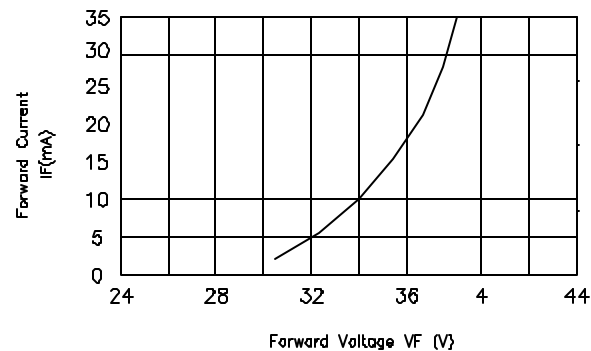
LEDTRONICS PART NO.	LED RADIATION COLOR	LED APPEARANCE	ABSOLUTE MAXIMUM RATINGS (Ta=25°C)					ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)							
			Pd mW	Ifp mA	If mA	Vr V	Topr (°C)	If mA	Iv mod typ	Vf=V typ/max	VIEW ANGLE 2θ1/2	Ir max μA	Δλ nm	λDom. nm	λPeak nm
L180-4CW-110D	COOL WHITE	WATER CLEAR	120	100	30	5	-40° TO +80°	20	600	3.5/4.0	110	100	—	—	—

Tstg: -40°C TO +80°C Pulse Width ≤10ms, Duty Cycle ≤1/10
LEAD SOLDERING TEMP: [4mm (.157") FROM BODY] 260°C FOR 5 SEC.

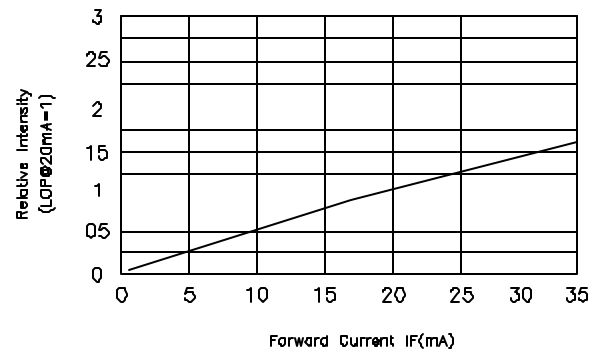
 LEDTRONICS, INC.TM 23105 KASHIWA COURT TORRANCE, CA 90505	-PROPRIETARY- This document contains Proprietary Information of LEDTRONICS, INC. It may not be copied, used or disclosed for any purpose without the prior express written consent of LEDTRONICS, INC.		TITLE L180-4CW-110D				
	XXX ± .010 TOLERANCE PER ANSI-Y14.5 .XX ± .025 (UNLESS OTHERWISE STATED) ANGLES ± 0°.30° FRACT. ± 1/32		DWG NO DSDC0332		SCALE 2:1	SHEET 1 OF 2	DATE 10-21-04
			CODE IDENT NO. 8Z410	DWG BY RR	CHK BY PL 10-22-04	QA CG 10-22-04	MNFG

LTR	REVISION	DATE	APPD
-	RELEASED	10-22-04	

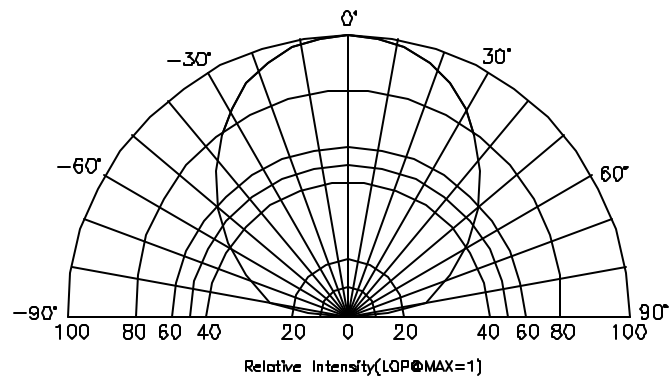
Forward Current
vs Forward Voltage



Forward Current
vs Forward Voltage



Beam Pattern



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TORRANCE, CA 90505

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XOX ± .010 TOLERANCE PER ANSI-Y14.5
.XOX ± .025 (UNLESS OTHERWISE STATED)
ANGLES ± 0°.30°
FRACT. ± 1/32

TITLE L180-4CW-110D (SPECTRAL CURVES)

DWG NO	SCALE	SHEET	DATE
DSDC0332-A	1:1	2 OF 2	10-22-04
CODE IDENT NO.	DWG BY	CHK BY	QA CG
8Z410	RR	10-22-04	10-22-04
MNFG	CUSTOMER		