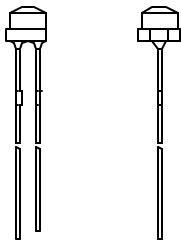


LTR	REVISION	DATE	APPD
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ACTUAL SIZE

LUMINOUS INTENSITY (mcd):

LUMINOUS FLUX:

1.)

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

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

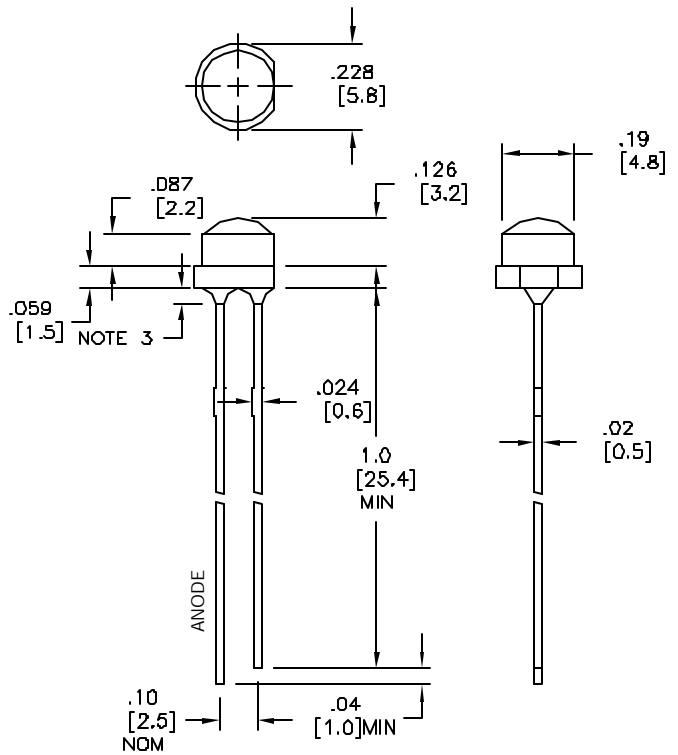
NOTES:

- 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.

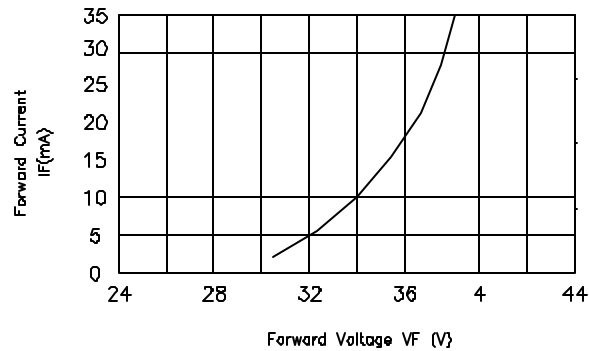
LEDTRONICS PART NO.	L.E.D. RADIATION COLOR	L.E.D. APPEARANCE	ABSOLUTE MAXIMUM RATINGS (Ta=25°C)						ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)						
			Pd mW	If mA	If mA	Vr V	ToPr (°C)	If mA	Iv mod typ	Vf=V typ/max	VIEW ANGLE 2θ1/2	Ir max μA	Δλ nm	λ Dom. nm	λ Peak nm
L180-4CW-110D	COOL WHITE	WATER CLEAR	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.

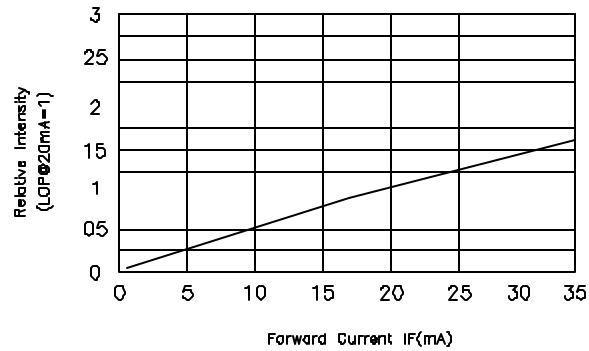
 LEDTRONICS, INC. 23105 KASHIWA COURT TORRANCE, CA 90505	PROPRIETARY. This document contains Proprietary Information of LEDTRONICS, INC. It may not be copied, used or disclosed for any purpose without the prior express written consent of LEDTRONICS, INC.		TITLE L180-4CW-110D							
	DWG NO DSDC0332		SCALE 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		MFG CUSTOMER	
	TOLERANCE PER ANSI-Y14.5 (UNLESS OTHERWISE STATED) .XX ± .010 .XX ± .025 ANGLES ± 0°.30° FRACT. ± 1/32									

LTR	REVISION	DATE	APPD
-	RELEASED	10-22-04	

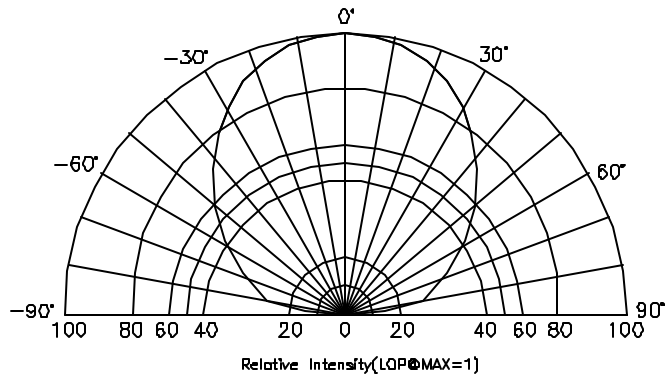
Forward Current vs Forward Voltage



Forward Current vs Forward Voltage



Beam Pattern



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.XX ± .010 TOLERANCE PER ANSI-Y14.5
 .XX ± .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
MFG			CUSTOMER