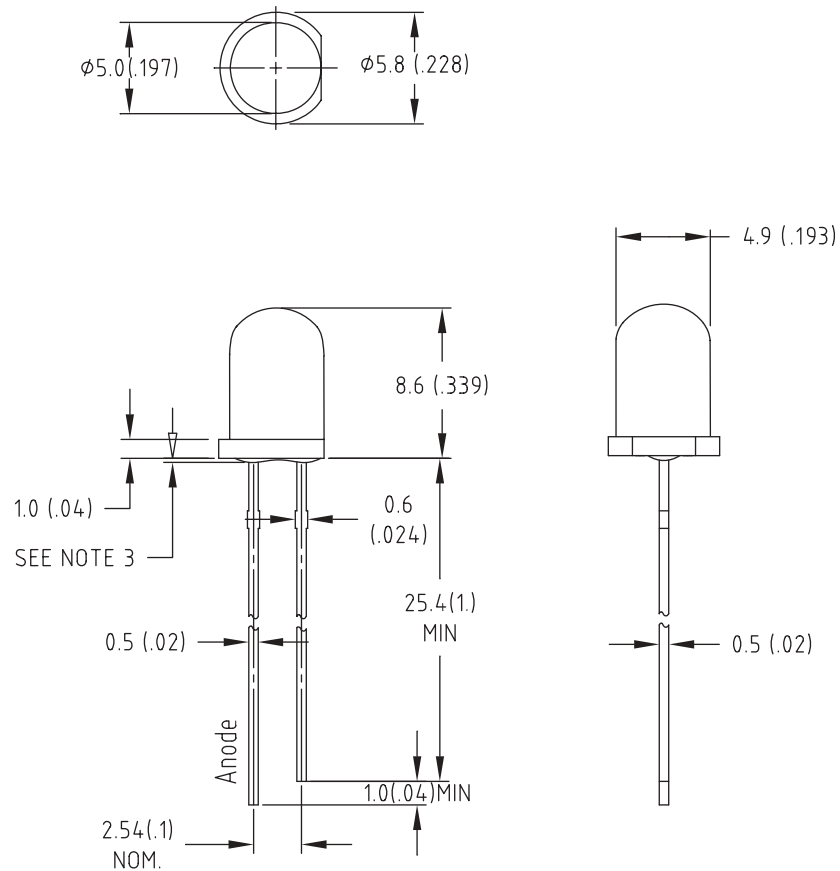


LTR	REVISION	DATE	APPD
B		12-06-05	RM



CHIP MATERIAL	LENS COLOR	EMISSION COLOR
InGaN	WATER CLEAR	INCAND. WHITE

Notes:

1. ALL DIMS ARE IN MILLIMETERS (INCHES).
2. TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$) UNLESS OTHERWISE SPECIFIED.
3. PROTRUDED RESIN UNDER FLANGE IS 1.0mm (.04") MAX.
4. LEAD SPACING IS MEASURED WHERE LEADS EMERGE FROM THE PACKAGE.
5. LEADS TO BE SOLDERABLE AND CAPABLE OF MEETING THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.
6. MANUFACTURE DATE SHALL NOT BE OLDER THAN 26 WEEKS (6 MONTHS).

ATTENTION

OBSERVE PRECAUTIONS
FOR HANDLING-
ELECTROSTATIC
SENSITIVE
DEVICES

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23105 KASHIWA COURT
TORRANCE, CA 90505

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.XXX \pm .010 TOLERANCE PER ANSI-Y14.5
.XX \pm .025 (UNLESS OTHERWISE STATED)
ANGLES \pm 0°, 30'
FRACT. \pm 1/32

TITLE L200-01W-40D

DWG NO		SCALE		SHEET		DATE	
DSDC316		2:1		1 OF 3		09-29-03	
CODE IDENT NO. 8Z410	DWG BY RM	CHK BY PL 12-13-05	QA GZ 12-13-05	MNFG		CUSTOMER	

LTR	REVISION	DATE	APPD
B		12-06-05	RM

Absolute Maximum Ratings at Ta 25°C

Parameter	MAX.	Unit
Power Dissipation	80	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range	-30°C to +100°C	
Lead Soldering Temperature [4mm (.157") From Body]	260°C for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	TestCondition
Luminous Intensity	I _v	---	2400	---	mcd	I _f =20mA (Note 1)
Viewing Angle	2 $\theta_{1/2}$	---	40	---	Deg	(Note 2)
Forward Voltage	V _f	---	3.5	4.0	V	I _f =20mA
Reverse Current	I _R	---	---	100	μA	V _R =5V
SCP	---	---	---	---	---	---
Lumens	---	---	---	---	---	---
Radiant Intensity	---	---	---	---	μW/sr	---

Color Rank	Bin Limits (CIE1931 x,y coordinates)							
	Lower Left		Lower Right		Upper Right		Upper Left	
	x	y	x	y	x	y	x	y
LTWW	0.405	0.365	0.435	0.375	0.460	0.436	0.425	0.427

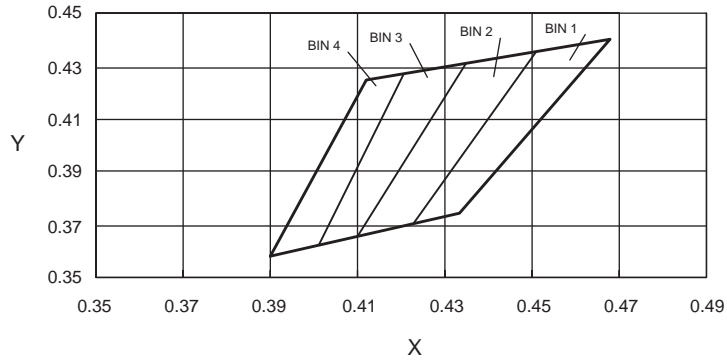
- Notes:
- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
 - 2. $\theta_{1/2}$ is the off-axis at which the luminous intensity is half the axial luminous intensity.

<div><div><div>LED[®]</div><div>LEDTRONICS, INC.[™]</div><div>23105 KASHIWA COURT TORRANCE, CA 90505</div></div></div>	<div><div><div>-PROPRIETARY-</div><div>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.[™]</div></div></div>	TITLE L200-0IW-40D					
	<div><div><div>XXX ± .010</div><div>TOLERANCE PER ANSI-Y14.5 (UNLESS OTHERWISE STATED)</div></div><div><div>XX ± .025</div><div>ANGLES ± 0°, 30'</div><div>FRACT. ± 1/32</div></div></div>	DWG NO DSDC316-A		SCALE NTS	SHEET 2 OF 3	DATE 12-06-05	
		CODE IDENT NO. 8Z410	DWG BY RM	CHK BY	QA	MNFG	CUSTOMER

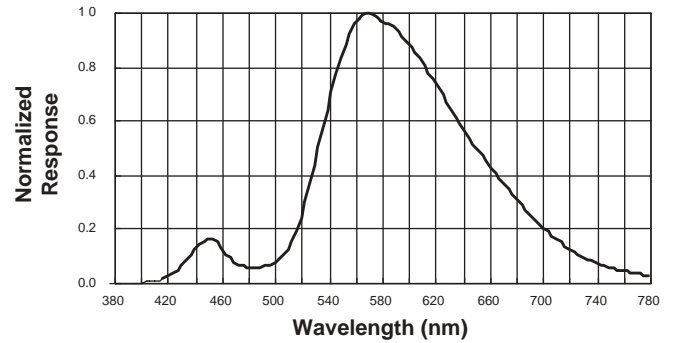
LTR	REVISION	DATE	APPD
B		12-06-05	RM

Typical Electrical / Optical Characteristics Curves (25°C Ambient Temperature Unless Otherwise Noted)

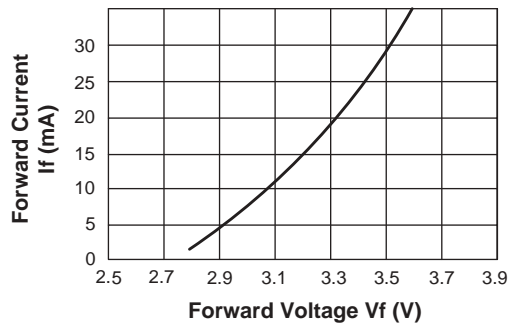
CIE 1931 Chromaticity Diagram



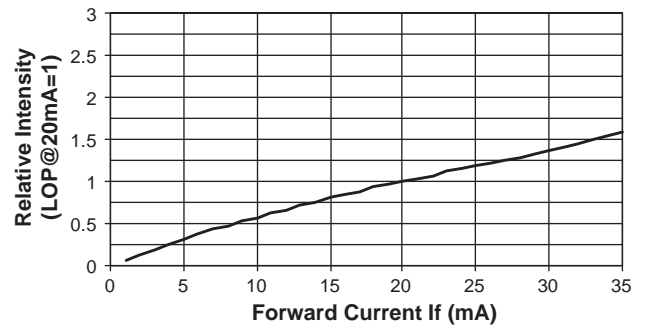
Spectral Radiance



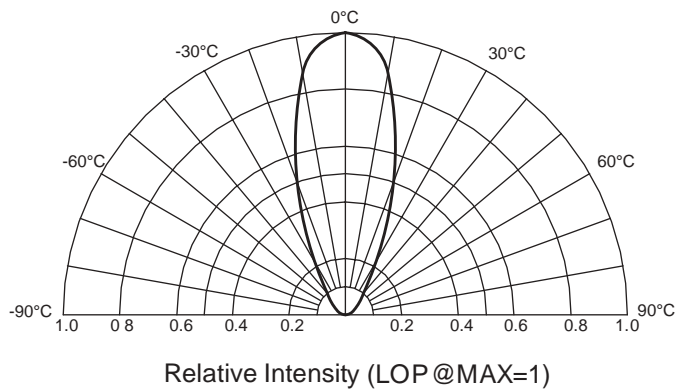
Forward Current
vs Forward Voltage



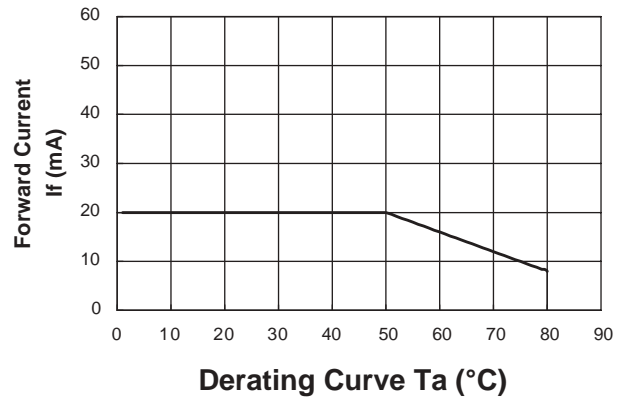
Relative Luminous Intensity
vs Forward Current



Beam Pattern



Forward Current
vs Derating Curve



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.XX ± .025 (UNLESS OTHERWISE STATED)
ANGLES ± 0°, 30'
FRACT. ± 1/32

TITLE		L200-01W-40D		
DWG NO	SCALE	SHEET	DATE	
DSDC316-B	NTS	3 OF 3	12-06-05	
CODE IDENT NO.	DWG BY	CHK BY	QA	CUSTOMER
8Z410	RM		MNFG	