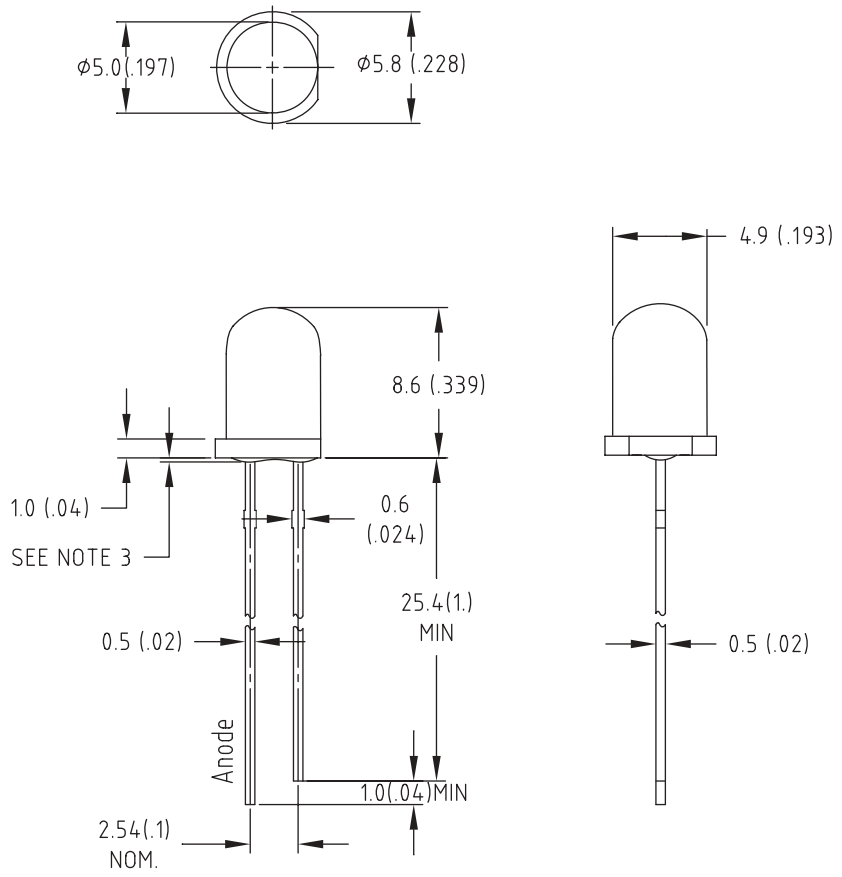


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CHIP MATERIAL	LENS COLOR	EMISSION COLOR
GaN	WATER CLEAR	WARM WHITE

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

 <p>23105 KASHIWA COURT TORRANCE, CA 90505</p>	<p>-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.</p>	<p>TITLE L200-0WW-40D</p>			
	<p>...XX ± .010 TOLERANCE PER ANSI-Y14.5 (UNLESS OTHERWISE STATED) ...XX ± .025 ANGLES ± 0°, 30' FRACT. ± 1/32</p>	<p>DWG NO DSDC311</p>	<p>SCALE 2:1</p>	<p>SHEET 1 OF 3</p>	<p>DATE 06-16-03</p>
	<p>CODE IDENT NO. 8Z410</p>	<p>DWG BY JG</p>	<p>CHK BY</p>	<p>QA</p>	<p>MNFG</p>

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Absolute Maximum Ratings at Ta 25°C

Parameter	MAX.	Unit
Power Dissipation	120	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°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	Test Condition
Luminous Intensity	I _v	2000	2500	3000	mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}	45	50	55	Deg	(Note 2)
Forward Voltage	V _f	2.8	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 (CIE1931x,y coordinates)							
	Lower Left		Lower Right		Upper Right		Upper Left	
	x	y	x	y	x	y	x	y
BIN C	0.27	0.29	0.30	0.27	0.28	0.24	0.25	0.26
BIN D	0.30	0.33	0.33	0.31	0.30	0.27	0.27	0.29

Notes:

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



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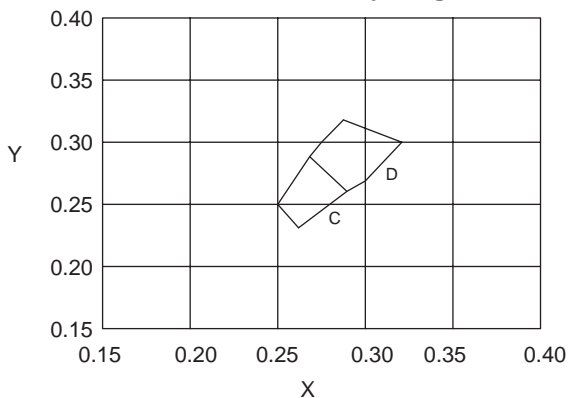
.XXX ± .010 TOLERANCE PER ANSI-Y14.5 (UNLESS OTHERWISE STATED)
 .XX ± .025
 ANGLES ± 0°,30'
 FRACT. ± 1/32

TITLE				L200-0WW-40D			
DWG NO		SCALE	SHEET		DATE		
DSDC311-A		NTS	2 OF 3		12-09-05		
CODE IDENT NO.	DWG BY	CHK BY	QA	MNFG	CUSTOMER		
8Z410	RM						

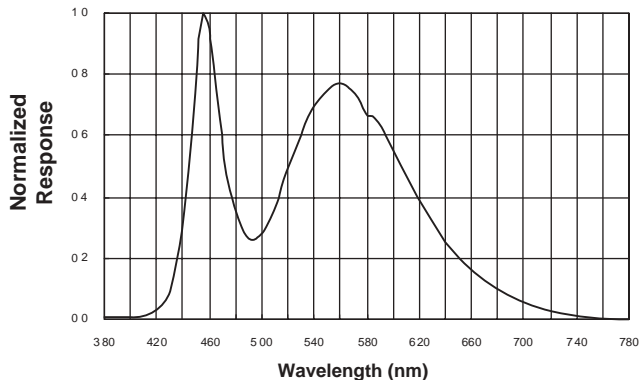
Typical Electrical / Optical Characteristics Curves
(25°C Ambient Temperature Unless Otherwise Noted)

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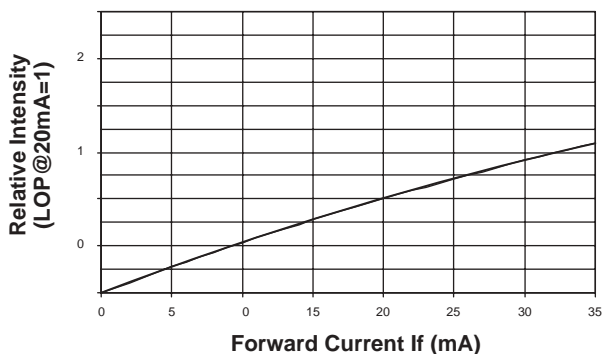
CIE 1931 Chromaticity Diagram



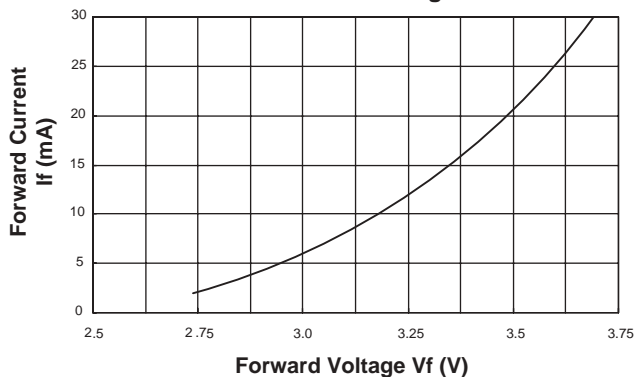
Spectral Radiance



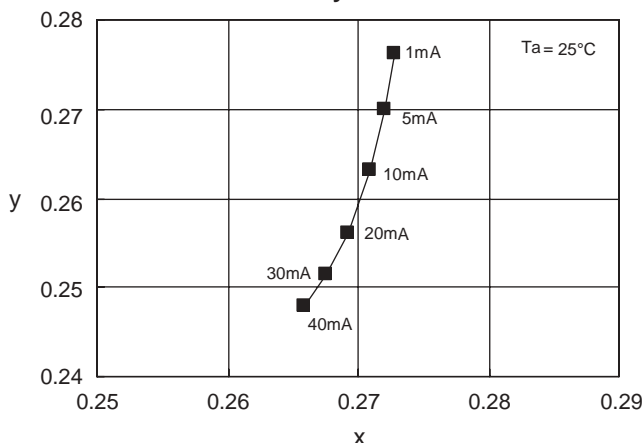
Relative Luminous Intensity vs. Forward Current



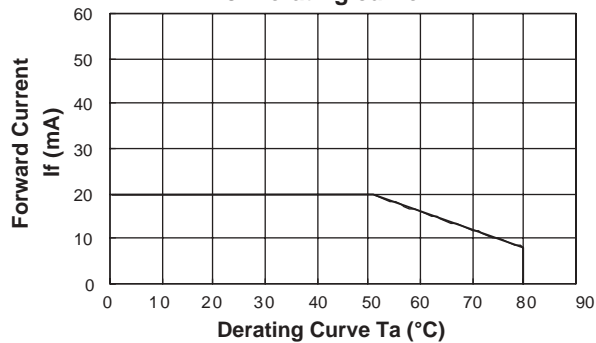
Forward Current vs. Forward voltage



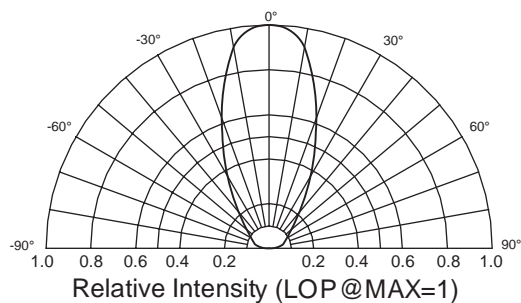
Forward Current vs. Chromaticity Coordinates



Forward Current vs. Derating curve



Beam Pattern



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

TITLE **L200-0WW-40D**

DWG NO DSDC311-B	SCALE NTS	SHEET 3 OF 3	DATE 12-09-05
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CODE IDENT NO. 8Z410	DWG BY RM	CHK BY	QA	MNFG	CUSTOMER
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