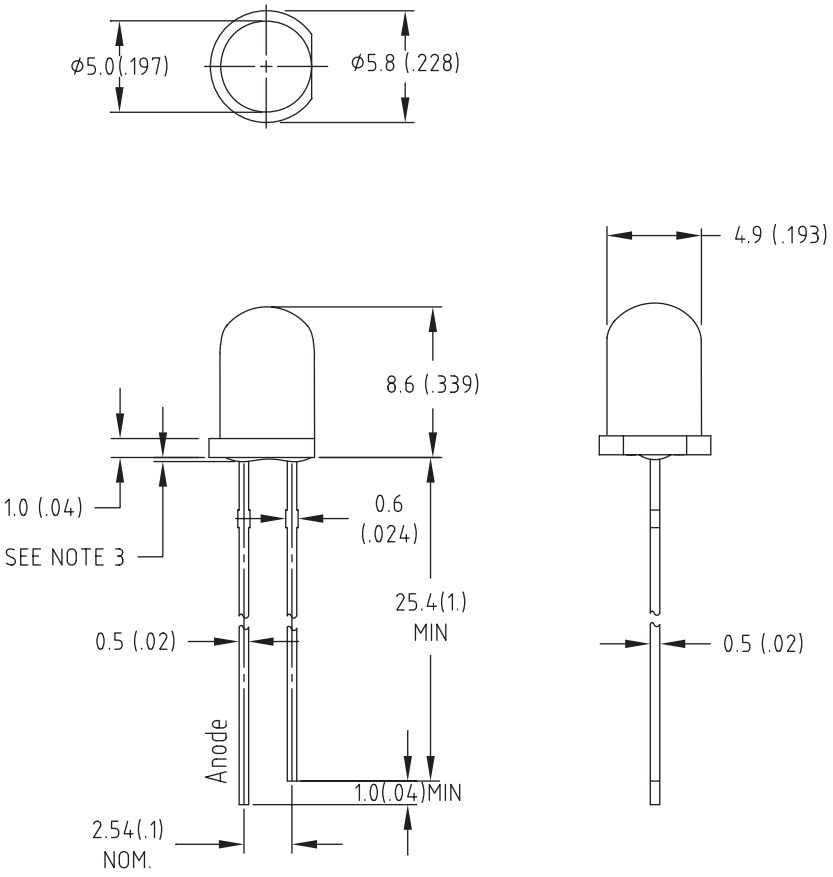
LTR	REVISION	DATE	APPD
B		12-06-05	RM



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

Notes:

1. ALL DIMS ARE IN MILLIMETERS (INCHES).
2. TOLERANCE IS ±0.25mm (±.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

LEDTRONICS, INC.™
23105 KASHIWA COURT
TORRANCE, CA 90505

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

TITLE	L200-0IW-20D		
DWG NO	SCALE	SHEET	DATE
DSDC307	2:1	1 OF 3	03-26-03

CODE IDENT NO.	DWG BY	CHK BY	QA	MNFG	CUSTOMER
8Z410	RM				

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

Param eter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	4900	6000	---	mcd	I_f=20mA (Note 1)
Viewing Angle	$2\ominus_{1/2}$	---	22	---	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. $\ominus_{1/2}$ is the off-axis at which the luminous inensity is half tha axial luminous intensity.

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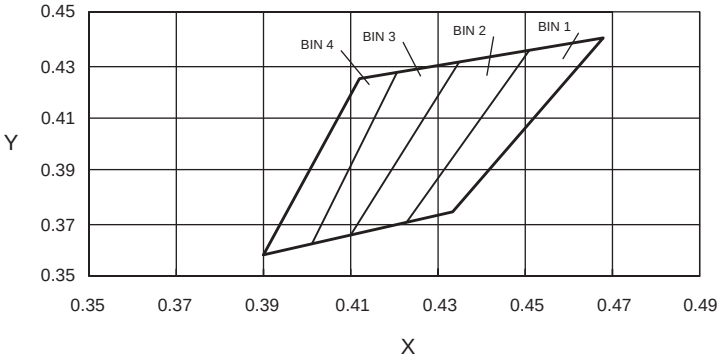
TITLE	L200-0IW-20D				
DWG NO	SCALE	SHEET	DATE		
DSDC307-A	NTS	2 OF 3	12-06-05		
CODE IDENT NO. 8Z410	DWG BY RM	CHK BY	QA	MNFG	CUSTOMER

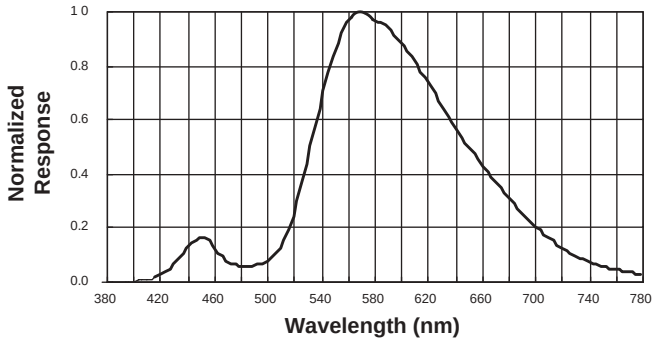
LTR	REVISION	DATE	APPD
B		12-06-05	RM

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

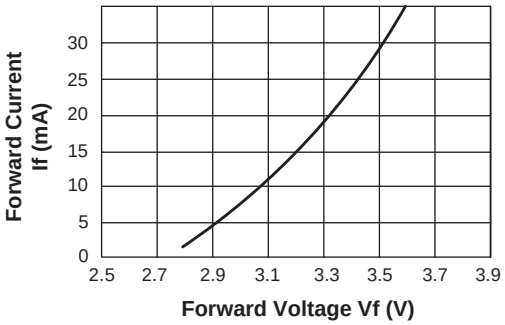
CIE 1931 Chromaticity Diagram



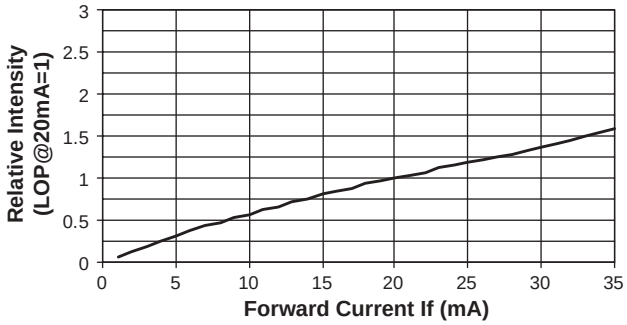
Spectral Radiance



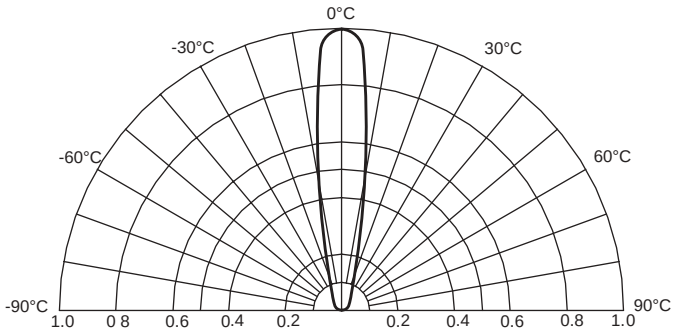
Forward Current vs Forward Voltage



Relative Luminous Intensity vs Forward Current

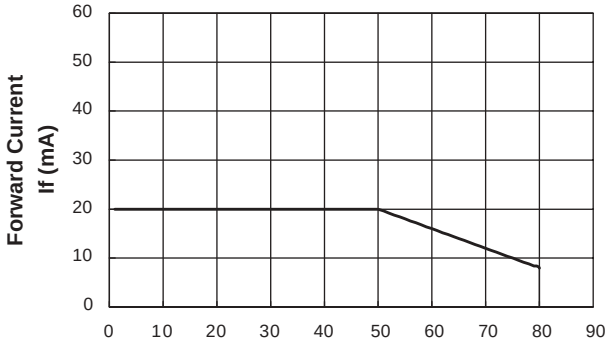


Beam Pattern



Relative Intensity (LOP@MAX=1)

Forward Current vs Derating Curve



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TITLE: L200-0IW-20D

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DSDC307-B	NTS	3 OF 3	12-06-05

CODE IDENT NO.	DWG BY	CHK BY	QA	MNFG	CUSTOMER
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