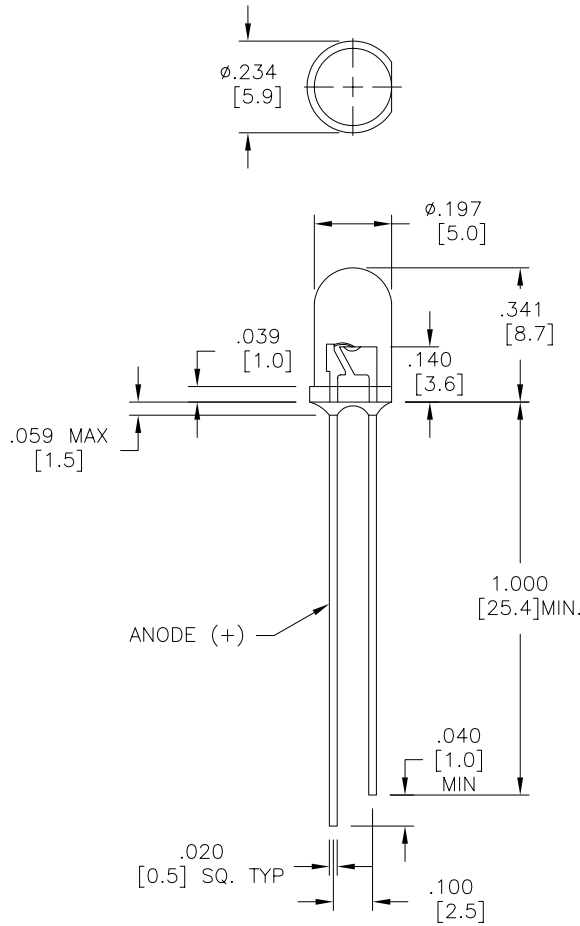


LTR	REVISION	DATE	APPD
-	RELEASED	08-30-05	



! CAUTION

- This UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect. Avoid direct eye exposure to UV light. Keep out of reach of children.

NOTES:

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

PURITY (%)
typ
99

LEDTRONICS PART NO.	L.E.D. RADIATION COLOR	L.E.D. APPEARANCE	ABSOLUTE MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)				ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)								
			P_d mW	I_f mA	V_r V	T_{opr} ($^\circ\text{C}$)	I_f mA typ	Radiant Intensity (mW/Sr) typ	I_v mcd typ	$V_f=V$ typ/max	VIEW ANGLE 201/2	I_r max μA	Full width half max	$\lambda_{\text{Dominant}}$ nm typ	λ_{Peak} nm typ
L200CUV395-12D	ULTRA VIOLET	CLEAR	120	30	5	-20 TO +80	20	38	20	3.7/4.0	16 \pm 3	100	14.8	421	398

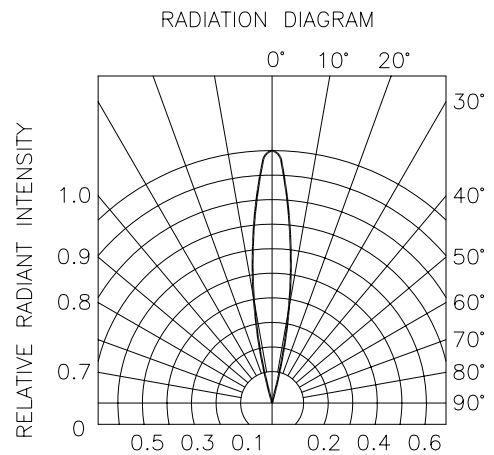
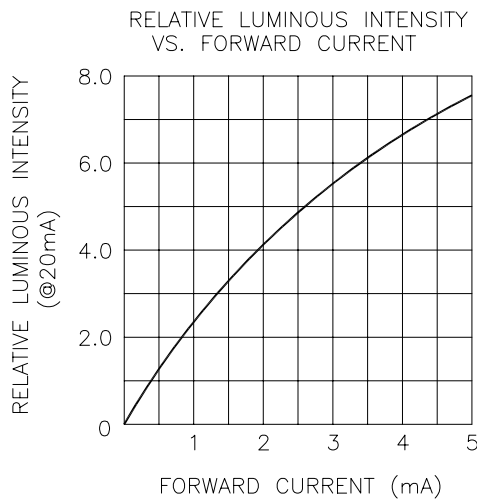
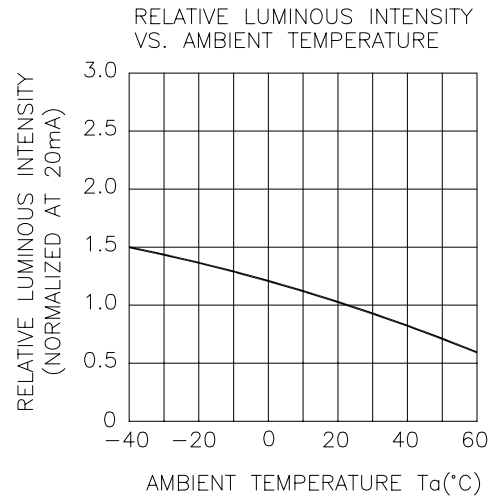
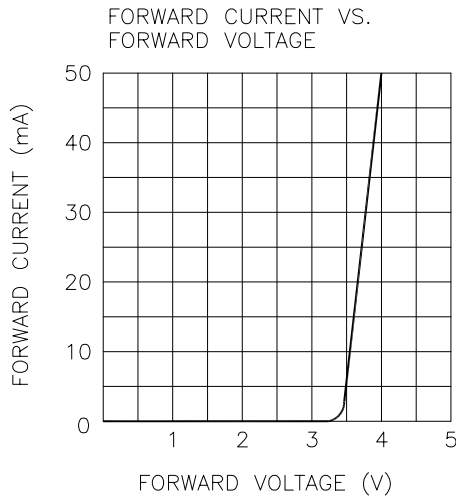
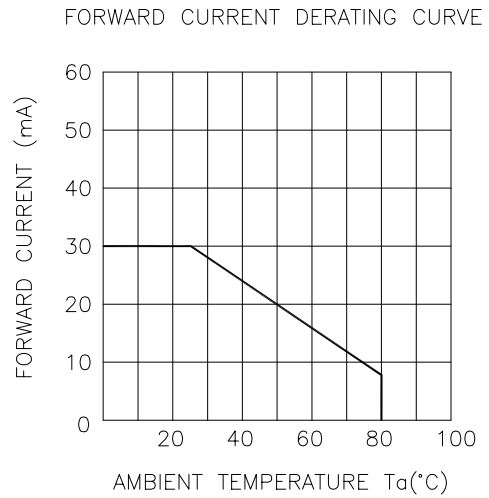
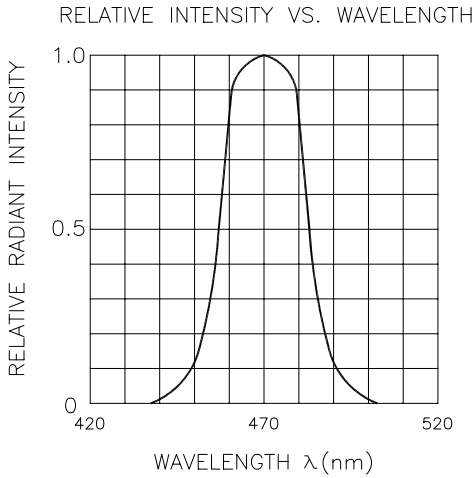
Tstg: -30°C TO $+100^\circ\text{C}$
 LEAD SOLDERING TEMP: [1.6mm (.063in) FROM BODY] 260°C FOR 5 SEC.

OPTICAL RISE TIME (τ , ns) TYP=30

<p style="font-size: small;">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 L200CUV395-12D</p>			
	<p>DWG NO DSDC0362</p>	<p>SCALE 2:1</p>	<p>SHEET 1 OF 2</p>	<p>DATE 08-30-05</p>	
	<p>CODE IDENT NO. 8Z410</p>	<p>DWG BY MM</p>	<p>CHK BY</p>	<p>QA PL 09-12-05</p>	<p>MFG GZ 09-12-05</p>
	<p>CUSTOMER</p>				

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

LTR	REVISION	DATE	APPD
-	RELEASED	09-12-05	



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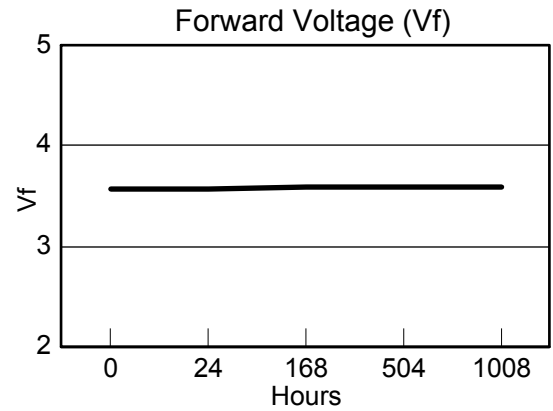
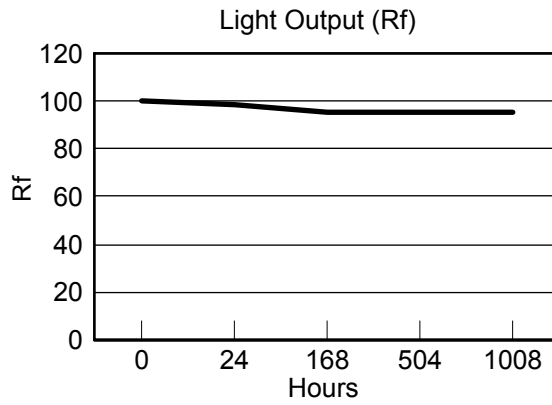
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.XXX ± .010 TOLERANCE PER ANSI-Y14.5
 .XX ± .025 (UNLESS OTHERWISE STATED)
 ANGLES ± 0',30'
 FRACT. ± 1/32

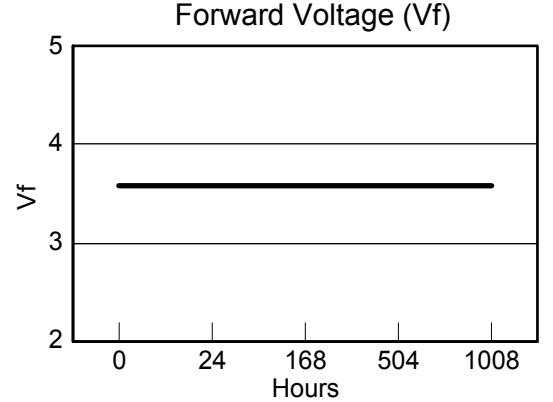
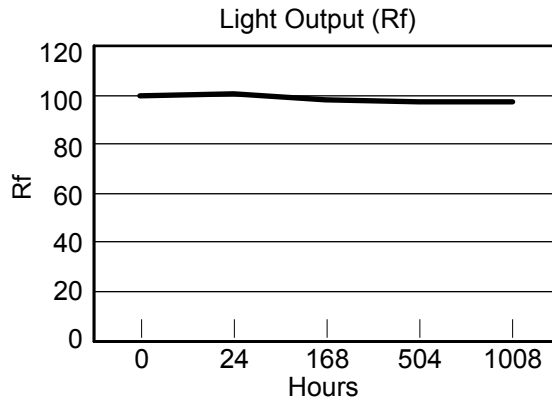
TITLE		L200CUV395-12D			
DWG NO	SCALE	SHEET	DATE		
DSDC0362-A	2:1	2 OF 2	09-12-05		
CODE IDENT NO.	DWG BY	CHK BY	QA	MFG	CUSTOMER
8Z410	RM				

Reliability Summary: MB UV

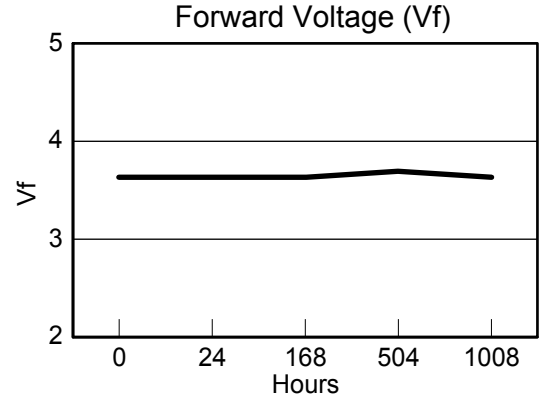
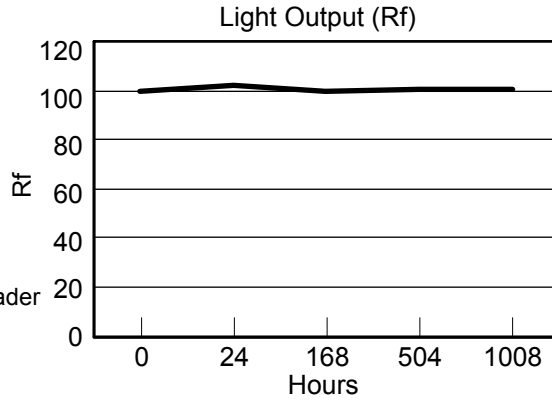
HTOL
20 mA DC
100°C
85% RH
Au-Plated Header



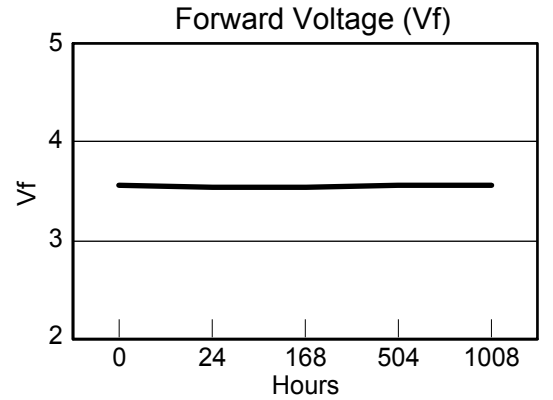
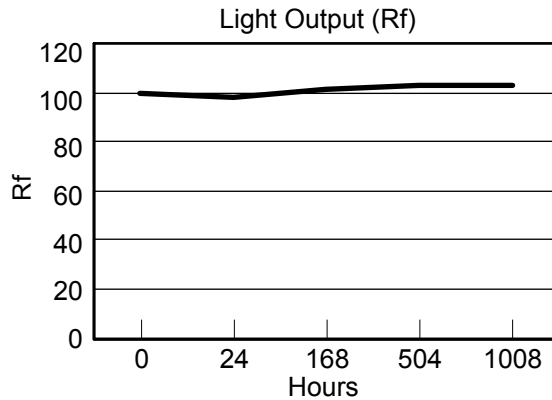
RTOL
30 mA DC
25°C
Pkg: TO-39
Au-Plated Header



WHTOL
10 mA DC
85°C
85% RH
Pkg: TO-39 Au-Plated Header



LTOL
20 mA DC
-40°C
Pkg: TO-39
Au-Plated Header



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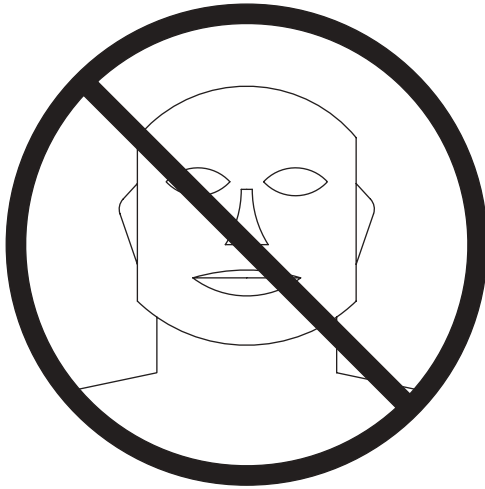
.XXX ± .010 TOLERANCE PER ANSI-Y14.5
.XX ± .025 (UNLESS OTHERWISE STATED)
ANGLES ± 0°,30'
FRACT. ± 1/32

TITLE **ULTRAVIOLET LED RELIABILITY**
MB UV: Chips C395-MB290, C405-MB290

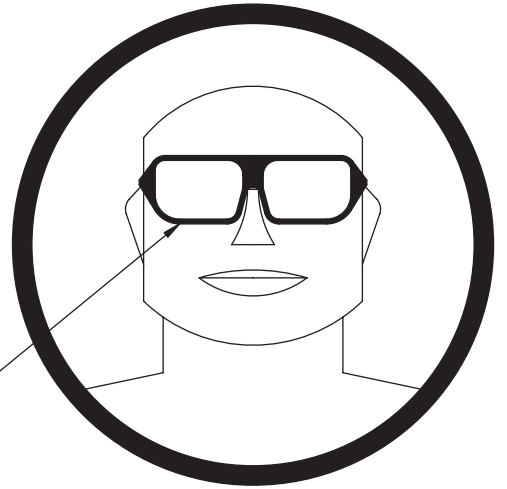
DWG NO QA0042	SCALE	SHEET 1 OF 1	DATE 05-23-06
CODE IDENT NO. 8Z410	DWG BY JAG	CHK BY QA	MNFG CUSTOMER

LTR	REVISION	DATE	APPD
-	RELEASED	03-10-00	JCH

ULTRAVIOLET LIGHT SAFETY PROCEDURE



INSPECTORS AND OTHER
PERSONS VIEWING
ULTRAVIOLET LIGHT **MUST**
WEAR PROPER PROTECTIVE
EYEWEAR



WILLSON UV GLASSES
PART # F117501

	<h2>CAUTION</h2>
	<ul style="list-style-type: none"> ◦ This UV LED during operation radiates intense UV light. ◦ Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief period due to the intense UV light. ◦ If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light. ◦ If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect. <p style="text-align: center;">Avoid direct eye exposure to UV light. Keep out of reach of children.</p>

**NORMAL SUNGLASSES WILL NOT
PROTECT YOU FROM UV LIGHT
DAMAGE.**

**YOU MUST USE THE APPROVED UV
GLASSES**

**ONLY THOSE PERSONS WHO HAVE COMPLETED UV TESTING
CERTIFICATION ARE TO VIEW THIS PRODUCT**

**THE SAFETY OF ALL EMPLOYEES IS THE UTMOST CONCERN OF
LEDTRONICS**

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TORRANCE, CA 90505

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

TITLE
UV LIGHT TESTING INSTRUCTIONS

DWG NO	SCALE	SHEET	DATE
QA0028	NTS	1 OF 1	03-10-00
CODE IDENT NO.	DWG BY	CHK BY	QA CG
8Z410	JCH		08-09-00
			MFG RA
			12-01-00
			CUSTOMER