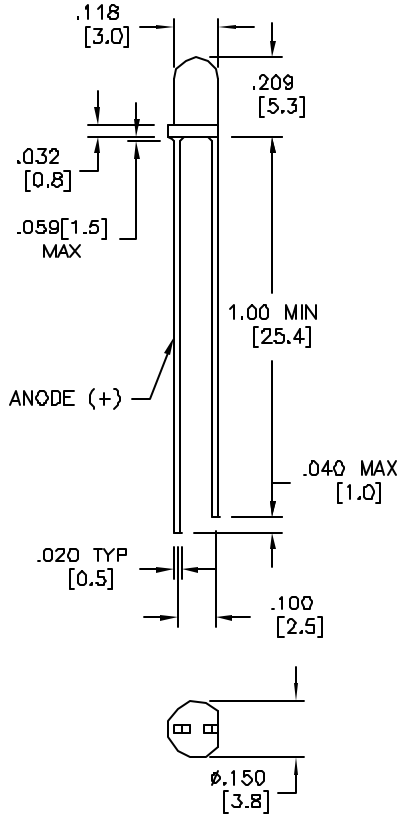
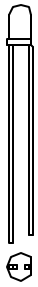


LTR	REVISION	DATE	APPD
-	RELEASED	08-05-03	

Actual Size



NOTES:

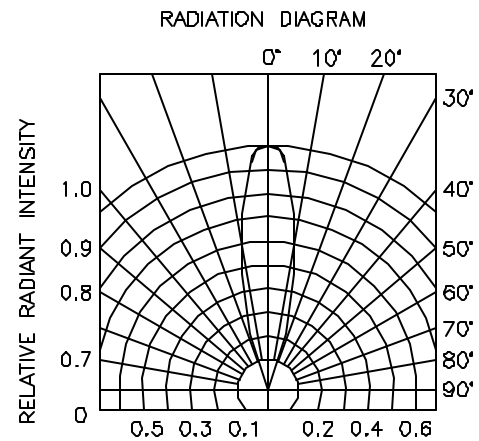
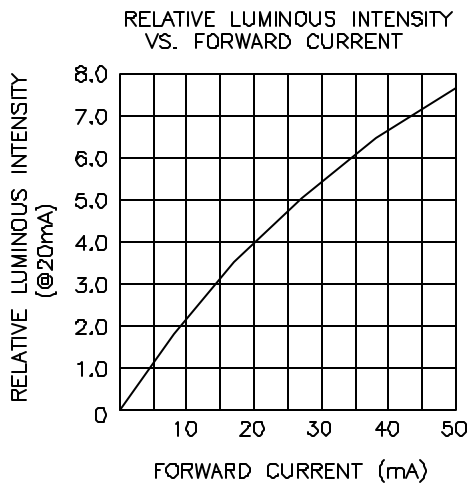
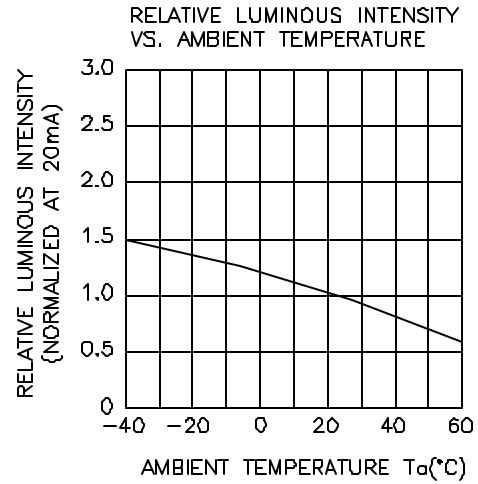
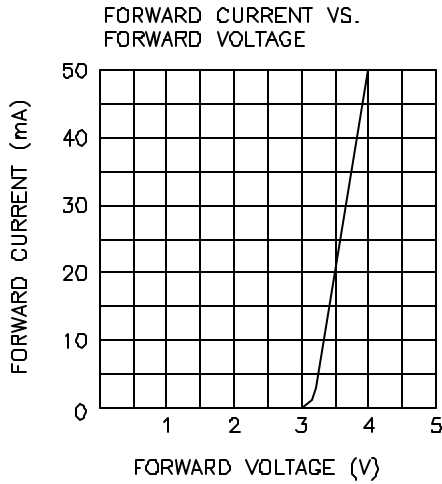
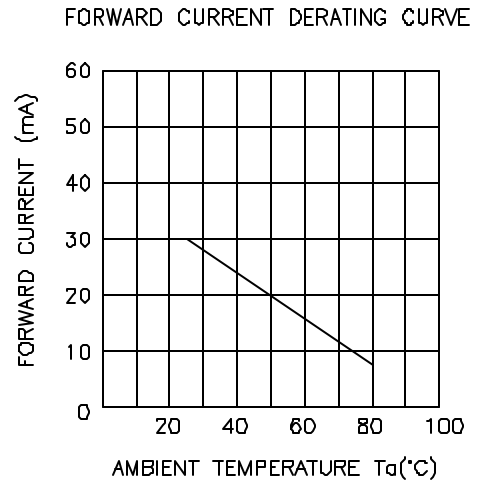
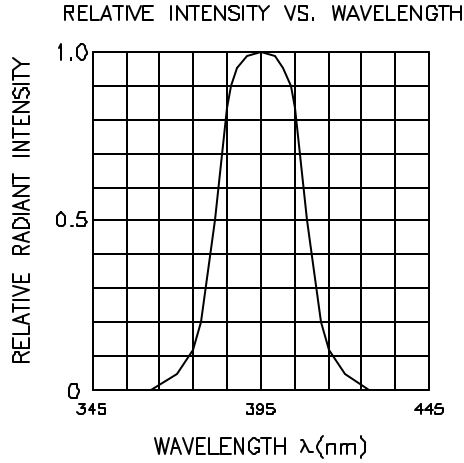
1. ALL DIMS ARE IN INCHES (MILLIMETERS).
2. TOLERANCE IS  $\pm 0.010"$  ( $\pm 0.25\text{mm}$ ) UNLESS OTHERWISE SPECIFIED.
3. LEAD SPACING IS MEASURED WHERE LEADS EMERGE FROM THE PACKAGE.
4. LEADS TO BE SOLDERABLE AND CAPABLE OF MEETING THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.
5. MANUFACTURE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

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	$I_f$ mA	$V_r$ V	$T_{opr}$ ( $^\circ\text{C}$ )	$I_f$ mA	$I_v$ mcd typ	$V_f=V$ typ/max	VIEW ANGLE 2 $\theta$ 1/2	$I_r$ max $\mu\text{A}$	$\Delta\lambda$ nm	$\lambda_{Peak}$ nm
L120CUV395-30D	ULTRA VIOLET	WATER CLEAR	120	100	30	5	-40 TO +80	20	5	3.7/4.0	30	100	26	395

$T_{stg}$ : -40°C TO +85°C  
LEAD SOLDERING TEMP: [1.6mm (.063in) 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 L120CUV395-30D				
	.XX ± .010 TOLERANCE PER ANSI-Y14.5 .XX ± .025 (UNLESS OTHERWISE STATED) ANGLES ± 0°.30" FRACT. ± 1/32		DWG NO DSDC0313	SCALE 2:1	SHEET 1 OF 1	DATE 08-05-03	
			CODE IDENT NO. 8Z410	DWG BY RM	CHK BY PL 08-06-03	QA MFG	CUSTOMER

LTR	REVISION	DATE	APPD
-	RELEASED	08-05-03	



**LED**<sup>®</sup>  
**LEDTRONICS, INC.**<sup>™</sup>  
 23105 KASHIWA COURT  
 TORRANCE, CA 90505

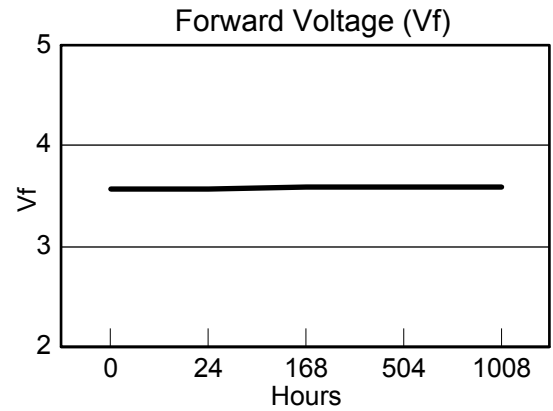
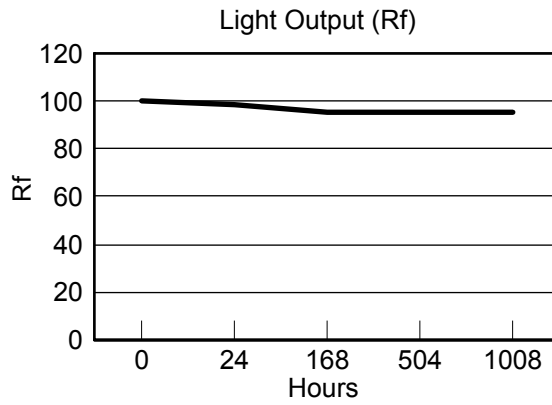
PROPRIETARY.  
 This document contains Proprietary  
 information of LEDTRONICS, INC.  
 It may not be copied, used or disclosed  
 for any purpose without the prior express  
 written consent of LEDTRONICS, INC.

.00X ± .010 TOLERANCE PER ANSI-Y14.5  
 .XX ± .025 (UNLESS OTHERWISE STATED)  
 ANGLES ± 0°.30°  
 FRACT. ± 1/32

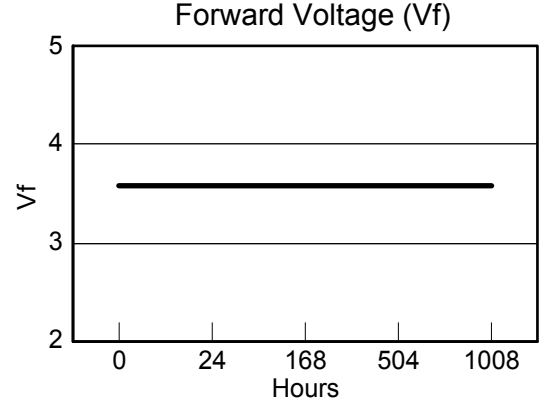
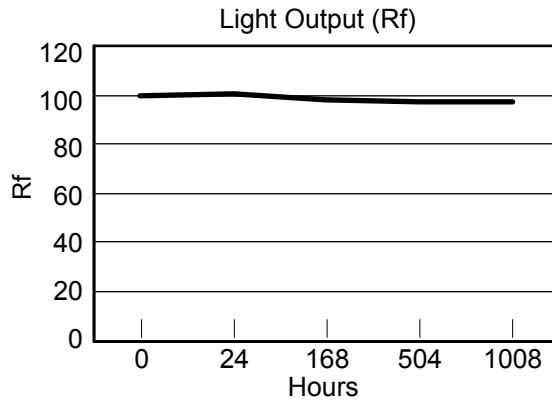
TITLE			
L120CUV395-30D			
DWG NO	SCALE	SHEET	DATE
DSDC0315-A	2:1	1 OF 1	08-05-03
CODE IDENT NO.	DWG BY	CHK BY	QA
8Z410	RM	PL	08-06-03
MFG	CUSTOMER		

# Reliability Summary: MB UV

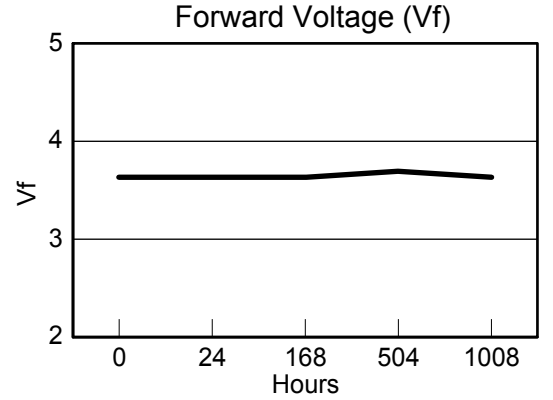
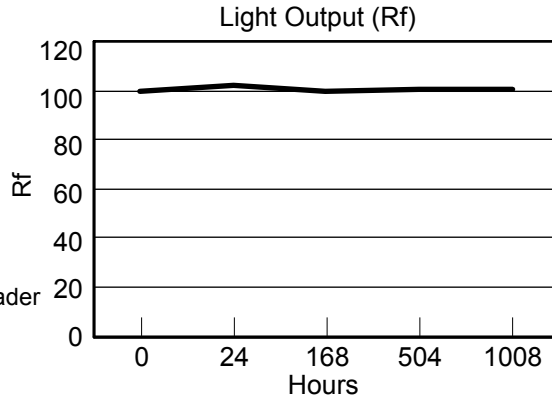
HTOL  
20 mA DC  
100°C  
85% RH  
Au-Plated Header



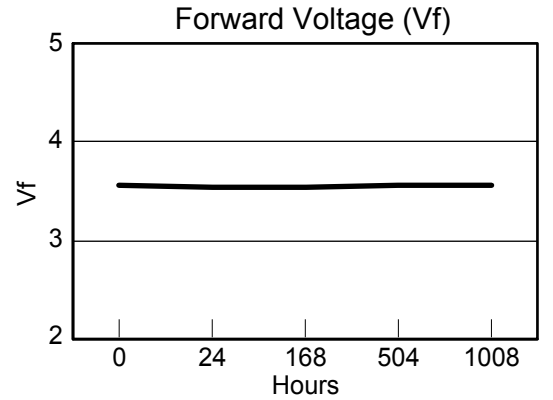
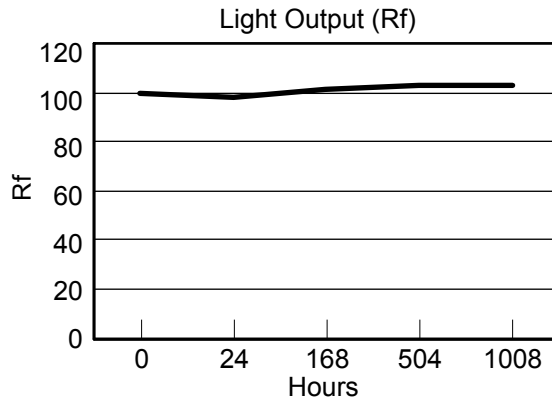
RTOL  
30 mA DC  
25°C  
Pkg: TO-39  
Au-Plated Header



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



-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.

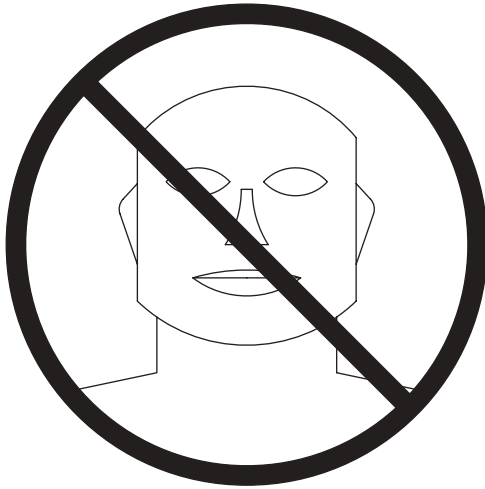
.XXX ± .010 TOLERANCE PER ANSI-Y14.5  
.XX ± .025 (UNLESS OTHERWISE STATED)  
ANGLES ± 0°,30'  
FRACT. ± 1/32

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

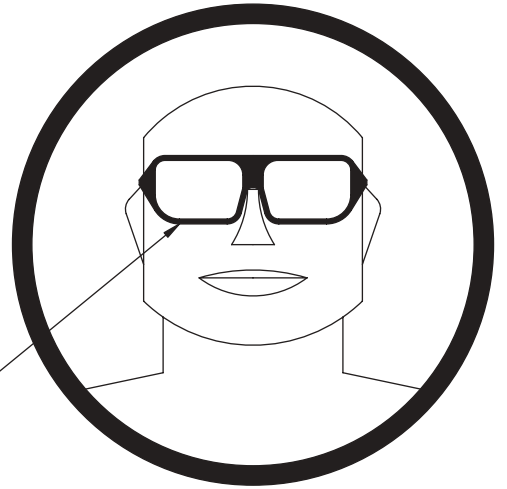
DWG NO QA0042	SCALE	SHEET 1 OF 1	DATE 05-23-06
CODE IDENT NO. 8Z410	DWG BY JAG	CHK BY QA	MNFG CUSTOMER

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"> <li>◦ This UV LED during operation radiates intense UV light.</li> <li>◦ 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.</li> <li>◦ If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.</li> <li>◦ If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect.</li> </ul> <p>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**

**LED<sup>®</sup>**  
**LEDTRONICS, INC.<sup>®</sup>**  
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.

.XXX ± .010 TOLERANCE PER ANSI-Y14.5  
.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