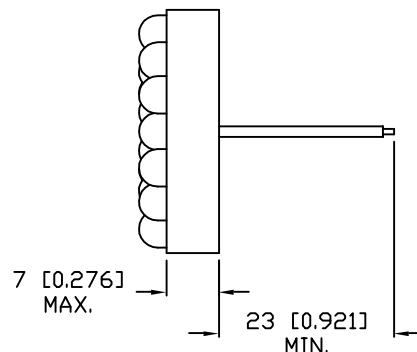
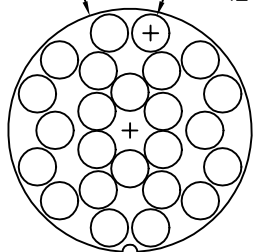


UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-LXC1283S24REV.  
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10616.	4-20-00
B	E.C.N. #10626.	6-1-00

Ø32.50 [Ø1.280]  
Ø5.00 [Ø0.197]  
(24 PLS.)

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=80\text{mA}$ 

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		12.6	15	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100µA
AXIAL INTENSITY **		1200		mcd	I <sub>f</sub> =80mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	SUPER YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

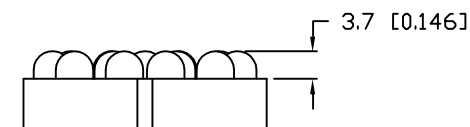
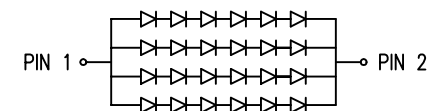
\*\* INTENSITY PER DIE.

LIMITS OF SAFE OPERATION AT 25°C PER DIE

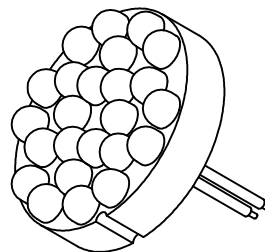
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	90	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-30 TO +70	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

\*  $t < 10\mu\text{S}$ 

PIN OUT



PIN 1  
SHRINKABLE INSULATION  
Ø0.70 [Ø0.028]  
(2 PLS.)  
2.54 [0.100]  
Ø1.40 [Ø0.055]  
(2 PLS.)



REPLACES PART #: SSP-LXC1283S24A

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.  
BPART NUMBER  
SSP-LXC1283S24

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**RELIABILITY NOTE**  
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

**LUMEX**  
INCORPORATED

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DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 1-14-00
			PAGE: 1 OF 1
			SCALE: N/A

1.28" CIRCULAR, 24 LAMP POLY-LED,  
590nm SUPER YELLOW LEDS, WATER CLEAR LENS.