



**Spec No.: DS-30-98-396** Effective Date: 11/14/2000 Revision: -



BNS-OD-FC001/A4

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#### **FEATURES**

\* RECTANGULAR LIGHT BAR. \* LARGE, BRIGHT, UNIFORM LIGHT EMITTING AREAS. \* LOW POWER REQUIREMENT. \* HIGH BRIGHTNESS & HIGH CONTRAST. \* SOLID STATE RELIABILITY. \* CATEGORIZED FOR LUMINOUS INTENSITY.

#### DESCRIPTION

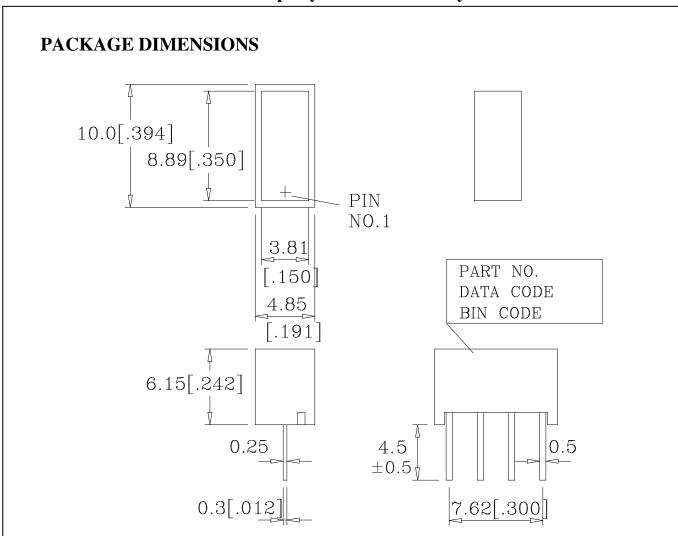
The LTL-2500G is a light bar rectangular light sources designed for a variety of applications where a large bright source of light is required. This device utilizes green LED chips, which are made from GaP on a transparent GaP substrate, and has white bar.

#### DEVICE

PART NO.	DESCRIPTION			
Green	Universal			
LTL-2500G	Rectangular Bar			

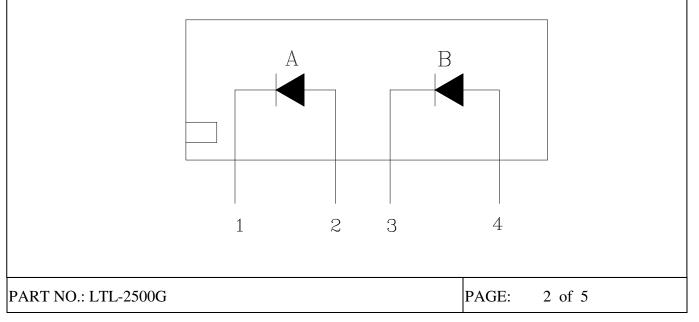


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NOTES: All dimensions are in millimeters. Tolerances are  $\pm 0.25$  mm (0.01") unless otherwise noted.

#### **INTERNAL CIRCUIT DIAGRAM**



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#### **PIN CONNECTION**

No	CONNECTION
1	CATHODE A
2	ANODE A
3	CATHODE B
4	ANODE B

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#### ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT			
Power Dissipation Per Segment	75	mW			
Peak Forward Current Per Segment ( 1/10 Duty Cycle, 0.1ms Pulse Width )	100	mA			
Continuous Forward Current Per Segment	25	mA			
Derating Linear From 25°C Per Segment	0.33	mA/°C			
Reverse Voltage Per Segment	5	V			
Operating Temperature Range	$-35^{\circ}$ C to $+85^{\circ}$ C				
Storage Temperature Range	$-35^{\circ}$ C to $+85^{\circ}$ C				
Solder Temperature: max $260^{\circ}$ C for max 3sec at 1.6mm below seating plane.					

#### ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

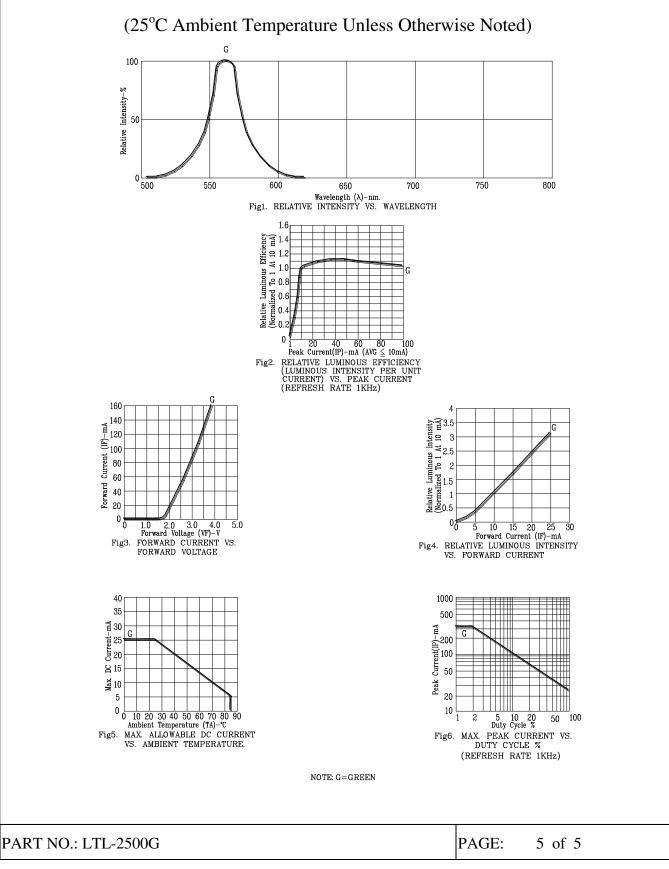
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	1400	4200		μcd	IF=10mA
Peak Emission Wavelength	λp		565		nm	IF=20mA
Spectral Line Half-Width	Δλ		30		nm	IF=20mA
Dominant Wavelength	λd		569		nm	IF=20mA
Forward Voltage Per Segment	VF		2.1	2.6	V	IF=20mA
Reverse Current Per Segment	Ir			100	μΑ	V <sub>R</sub> =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF=10mA

Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

## LITEON

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#### **TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES**



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