

# DATA SHEET

<u>part no.</u>	_ <del></del>	333-2UYD/S530-A	.3
DATE	::	2002/8/2	
DEPARTME	NT:	CHR&D1	
REVISION	<u>:</u>	1	
<del></del>	RE	CEIVED	
MASS PR	ODUCTION		<del></del>
_ PRELIMI	VARY		
☐ CUSTOM!	ER DESIGN		
DEVICE NUM	BER:	CDLE-033-10 <b>5</b> 2	
PAGE:	4		
CUSTOMER	DESIGNER	CHECKER	APPROVER
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REV.	DESCRIPTION	RELEASE DATE

Office: 7C Building, Lian Hua Port Industrial District, Lian Hua Shan

Bonded Pricessing Zone Pan Yu, Guang Zhou, China

TEL.: (020)84860913,84860914

FAX: (020)84860600 http://www.everlight.com



Device Number:	CDLE-033-10 <b>5</b> 2	REV.:	1

5.0mm Round Type LED Lamps

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#### Features:

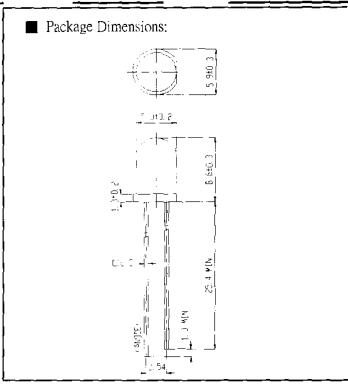
- Choice of various viewing angles
- Available on tape and reel.
- Reliable and robust

### Descriptions:

- The series is specially designed for applications requiring higher brightness
- The led lamps are available with different colors, intensities,

### Applications:

- TV set
- Monitor
- Telephone
- Computer



#### Notes:

- 1. All dimensions are in millimeters.
- 2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.
- 3. Tolerances unless Dimension  $\pm 0.25$ mm.

DADT NO		Chip	Lens Colon	
i	PART NO.	Material	Emitted Color	Lens Color
	333-2UYD/S530-A3	AlGaInP	Super Yellow	Yellow Diffused

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■ Absolute Maximum Ratings at  $Ta = 25^{\circ}$ C

Parameter	Symbol	Rating	Unit
Forward Current	lF	25	mA
Operating Temperature	Topr	-40 to +85	C
Storage Temperature	Tstg	-40 to +100	Ű
Soldering Temperature	Tsol	260 ± 5	Č
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	li (Pcak)	160	mA
Reverse Voltage	VR	5	V

### ■ Electronic Optical Characteristics:

Parameter	Symbol	Min.	Тур.	Max.	Unit	Co	onditio	on
Luminous Intensity	Iv	160	320	/	mcd	IF=	20 1	mA i
Viewing Angle	2 <i>0</i> 1/2	/	30	/	deg	IF=	20 1	mA
Peak Wavelength	λρ	/	591	/	nm	IF=	20 1	mA
Dominant Wavelength	λd	/	589	/	nm	IF=	20 1	mA
Spectrum Radiation Bandwidth	Λλ	/	15	/	nm	IF=	20 1	mA
Forward Voltage	VF		2.0	2.4	V	IF=	20 ı	mA
Reverse Current	<u>I</u> R		/	10	μΑ	Vr=	5	V



Device Number: CDLE-033-10**5**2 REV.: 1

5.0mm Round Type LED Lamps

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■ Typical Electro-Optical Characteristic Curves:

