





5.0mm Round Type LED Lamps

PART NO. : 333URC-2

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■ Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Rating	Unit
Forward Current	IF	40	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	110	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	IF(Peak)	180	mA
Reverse Voltage	VR	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	1000.00	/	3200	mcd	IF= 20 mA
Viewing Angle	2θ 1/2	/	10	/	deg	IF= 20 mA
Peak Wavelength	λ p	/	660	/	nm	IF= 20 mA
Dominant Wavelength	λ d	/	643	/	nm	IF= 20 mA
Spectrum Radiation Bandwidth	Δ λ	/	20	/		IF= 20 mA
Forward Voltage	VF	1.50	1.70	2.40	V	IF= 20 mA
Reverse Current	IR	/	/	10	μ A	VR= 5 V



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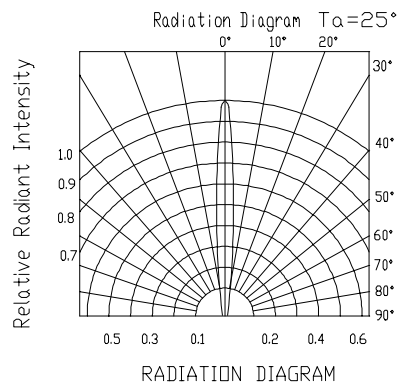
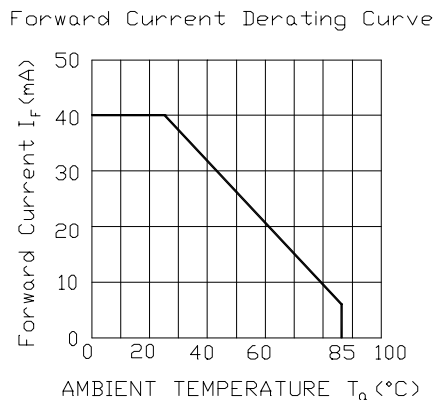
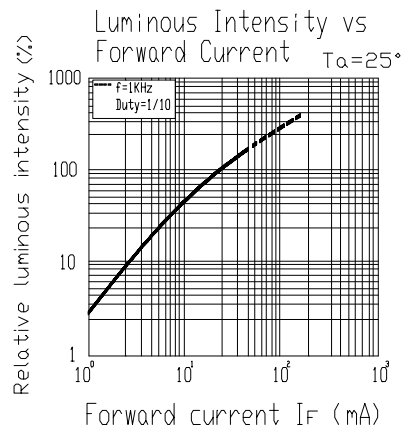
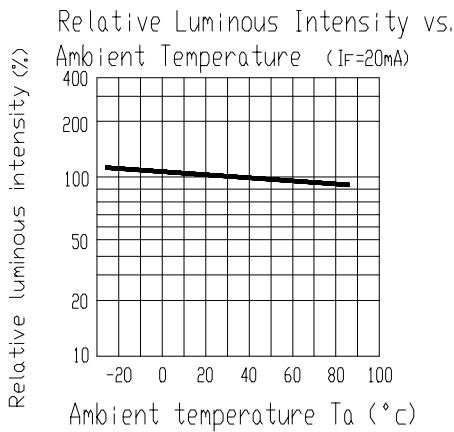
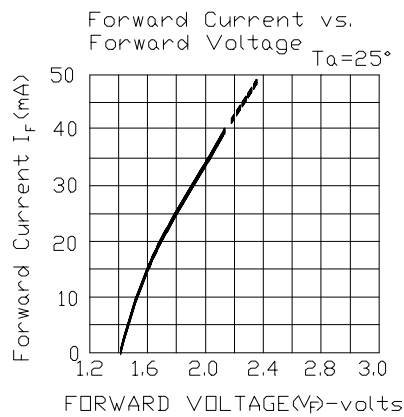
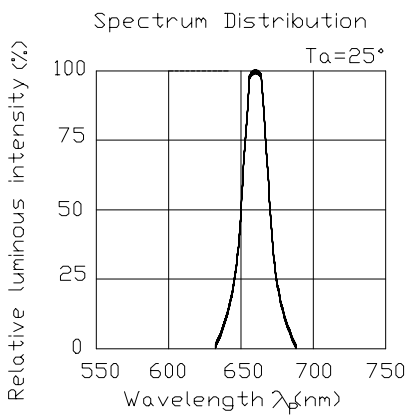
Device Number : CDLE-033-896 REV.: 1

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## Typical Electro-Optical Characteristic Curves:

(UR)





# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDLE-033-896 REV.: 1

5.0mm Round Type LED Lamps

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## ■ Reliability test items and conditions:

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat	TEMP : 260°C ± 5 °C	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85°C 30min § 5 min L : -55°C 30min	50 CYCLES	76 PCS	0/1
3	Thermal Shock	H : +100°C 5min § 10 sec	50 CYCLES	76 PCS	0/1
4	High Temperature Storage	TEMP : 100°C	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : -55°C	1000 HRS	76 PCS	0/1
6	DC Operating Life	TEMP : 25°C IF = 20 mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	85°C / 85% RH	1000 HRS	76 PCS	0/1