

High-Brightness White LED: DS-234NW-LX

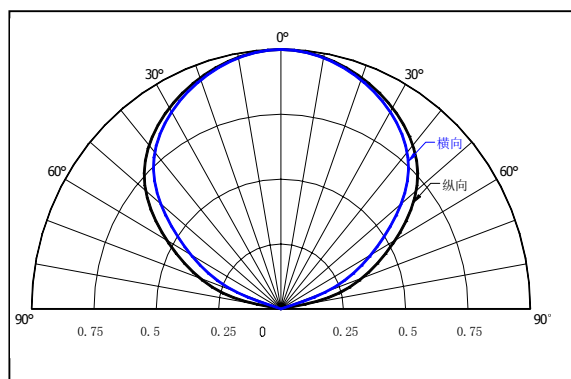
■ Characteristics

- High-Brightness LED
- Lens Color : Water Clear
- Half Value Angle($2\theta_{1/2}$) : 125° (110°)
- Superior Weather-resistance
- UV Resistant Epoxy

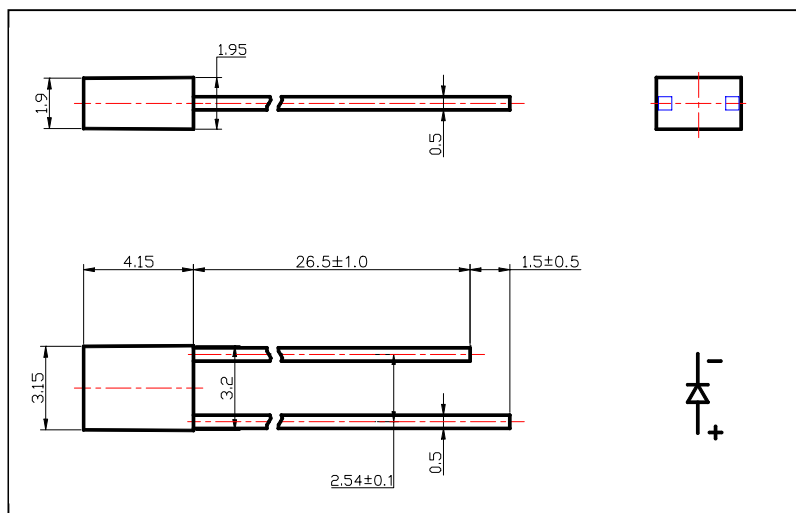
■ Application

- Advertisement
- Indicators
- Back Lights
- Illumination

■ Directivity



■ Outline Dimension



■ Electrical Optical Characteristics

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I_v	400	---	500	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	---	125	---	Deg	
		---	110	---		
Chromaticity coordinates	X	0.29	---	0.34	---	
	Y	0.30	---	0.36		
Forward Voltage	VF	2.9	---	3.6	V	VR=5V
Reverse Current	IR	---	---	10	μA	

※ Please Refer to CIE 1931 chromaticity diagram

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■ Absolute Maximum Rating

Item	Symbol	Maxabsolute	Unit
Power Dissipation	PD	100	mW
Peak forward current(1/10 duty cycle, 0.1ms pulse width)	IFP	50	mA
Continuous forward current	IF	20	mA
Derating linear from 50°C		0.4	mA/°C
Reverse voltage	VR	5	V
Operating temperature range	Topr	-40°C to +80°C	
Storage temperature range	Tstg	-40°C to +100°C	
soldering temperature	Tsod	260°C for 5 Seconds	

※ Pulse width Max 10ms Duty ratio Max 1/10

■ Optical Electrical Characteristics

