

白色/超広角白色 LED ランプ

White / Wide View Angle White LED Lamp

SDPW/SDQW Wide View Angle

SDPW/SDQW Series



写真のLEDランプは、ストッパー無タイプです。
This picture shows LED lamps without stopper.

●特長

白色発光(青色LED+赤・緑2波長蛍光体)
耐紫外線樹脂
色温度5700K~15000K
静電気耐圧 ±3kV (Min.)
超広角: φ5mm逆円錐
広配光角

●用途

LCDバックライト光源、インジケータ、
照光スイッチ、懐中電灯等の簡易光源、
ディスプレイ光源
超広角: イルミネーション、
装飾ランプ、
クリスマスツリー

●Features

White light (blue LED + 2-wavelength [red and green] phosphor)
UV resistant resin
Color temperatures 5700K-15000K
ESD tolerance: ±3 kV (Min.)
Wide View Angle: 5mm in diameter, reverse conic
Wide view angle

●Applications

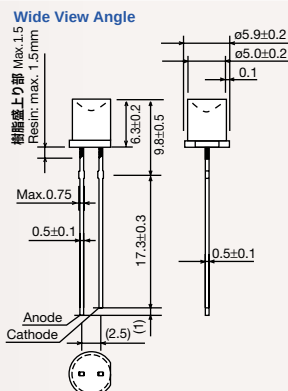
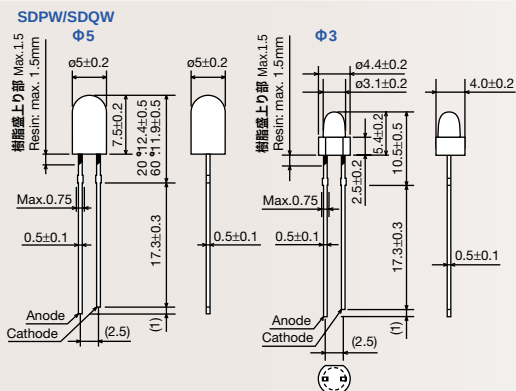
LCD backlight sources, Indicators,
Illuminated switches,
Electric torch light sources,
Display light sources
Wide View Angle: Illuminations,
Decorative lamps,
Christmas tree

■外形寸法図

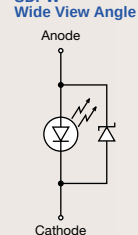
Package Dimensions

回路図

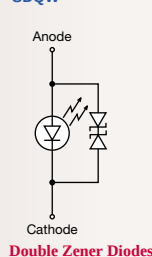
Circuit Diagram



SDPW Wide View Angle



SDQW



Double Zener Diodes

■絶対最大定格 (Ta=25°C)

Absolute Maximum Ratings

単位 Unit : mm

許容損失 (mW) Power Dissipation	順方向電流 (mA) DC Forward Current	パルス順方向電流 (mA) Peak Pulse Forward Current	逆方向電流 (mA) Reverse Current	逆方向電圧 (V) Reverse Voltage	動作温度 (°C) Operating Temperature Range	保存温度 (°C) Storage Temperature Range
SDPW Series	120	30	100 ※	120	-35~+85	-40~+100
SDQW Series (Double Zener Diodes)				—		
SDPW Series (超広角SDPW) Wide View Angle SDPW				120		

※: Duty 1/10 Pulse Width 10ms

■電気的・光学的特性 (Ta=25°C)

Electro-Optical Characteristics

発光色 Emitting Color	品番 Part No.	指向角 Typical Viewing Angle 2 θ 1/2	基準電流 (mA) Standard Current	光度 (mcd) Luminosity	順方向電圧 (V) Forward Voltage		逆方向電流 (mA) Reverse Current	逆方向電流 (μA) Reverse Current	色度座標 Chromatic Coordinates			
				Typ.	Typ.	Max.	Max. (Vr=0.8V)	Max. (Vr=5.0V)		Min.	Typ.	Max.
白 White	SDPW50B0C****	20 °	20	5000	3.4	3.8	120	—	x=	0.257	0.292	0.328
	SDQW50B0C****※1						—	50				
	SDPW50H0C****	60 °		1000			120	—	y=	0.251	0.305	0.358
	SDQW50H0C****※1						—	50				
	SDPW31G0C****	40 °		1600			120	—				
	SDQW31G0C****※1						—	50				
	SDPW52J0C0***※2	140 °		53 (Min.)			120	—				

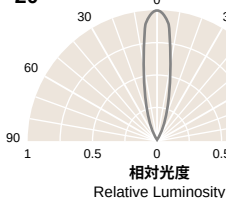
※1: Double Zener Diodes

※2: 超広角ランプ Wide View Angle

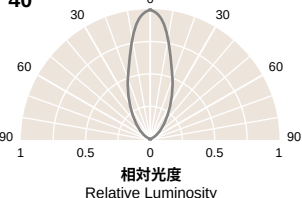
■指向代表特性

Directive Characteristics

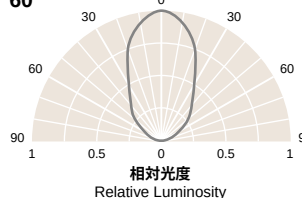
20°



40°

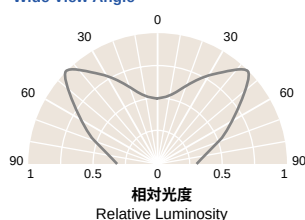


60°



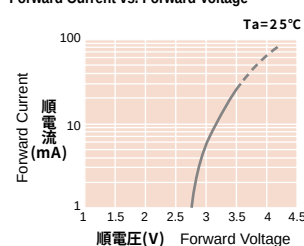
超広角ランプ

Wide View Angle



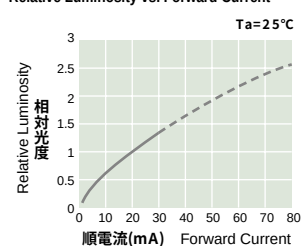
■順電流-順電圧特性

Forward Current vs. Forward Voltage



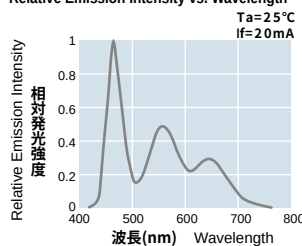
■相対光度-順電流特性

Relative Luminosity vs. Forward Current



■発光スペクトル

Relative Emission Intensity vs. Wavelength



■順電流-周囲温度特性

Forward Current vs. Ambient Temperature

