

# PSL0101 series

## **Features**

- · High Power White LEDs "SSML series"
- · Achieves operation temperature of 130°C
- · High reliability package due to anti-sulfur measures



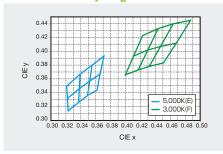


# **Specifications**

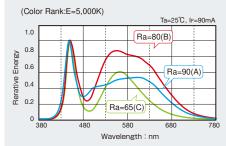
		Emitting Color	Color Rending Index (Ra)		Absolute Ma	aximum Rating	s (Ta=25℃)		Electrical and Optical Characteristics (Ta=25°C)							
Part No.	Chip Structure			Power Dissipation Pp (mW)	Forward Current I <sub>F</sub> (mA)	Peak Forward Current IFP(mA)	Operating Temperature Topr(°C)	Storage Temperature	Forward \ Typ.(V)	/oltage VF	Chromaticity (x, y)	I <sub>F</sub> (mA)	Luminous Typ. (Im)	Flux Φν I <sub>F</sub> (mA)	Luminous Efficiency (Im/W)	
□PSL0101WBEA			65	()	. (		1541(2)	1919(17)					95		82	
□PSL0101WBEB		White	83			1,000**2	-40 to +130			350	(0.345, 0.352)	350	95		82	
□PSL0101WBEC		(5,000K)	93		500 <sup>*1</sup>								70		61	
□PSL0101WBED	IO-N		75	1.95				-40 to +130	3.3				95	350	82	
□PSL0101WBFA	InGaN		65										90	350	78	
□PSL0101WBFB		White	83								(0.427.0.404)		85		74	
□PSL0101WBFC		(3,000K)	93								(0.437, 0.404)		65		56	
□PSL0101WBFD			73										90		78	

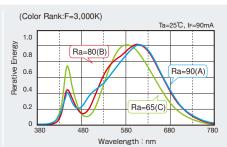
%1:Mounting condition must be carefully considered %2:Duty≦1/10, ≦10ms

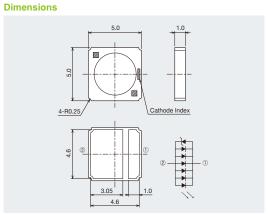
# **White Chromaticity Diagram**



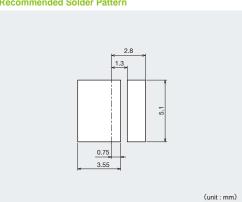
# **Spectram Data**



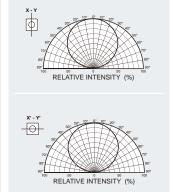




**Recommended Solder Pattern** 

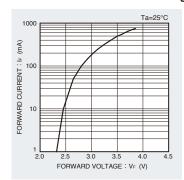


**Viewing Angle** 



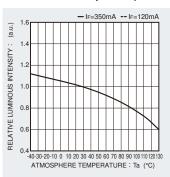
#### **Electrical Characteristics Curves**

# Forward Current-Forward Voltage

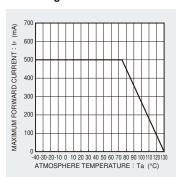




# ■ Luminous Intensity-Atmosphere Temperature ■ Derating

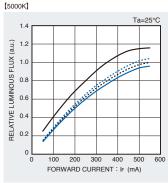




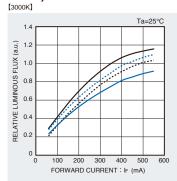




# Luminous Flux-Forward Current (PSL0101 series)







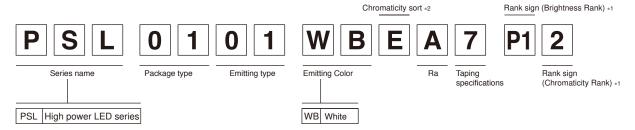
■ □PSL0101WBFA
■ □PSL0101WBFB
■ □PSL0101WBFC
■ □PSL0101WBFD

# **Rank Reference of Brightness**

# ■White (WB)

Package structure	Package size	Height (mm)	(Im)	J1	J2	K1	K2	L1	L2	M1	M2	N1	N2	P1	P2	Q1	Q2	R1	R2	S1	S2
				12.7 to 15.1	15.1 to 18	18 to 21.4	21.4 to 25.5	25.5 to 30.3	30.3 to 36	36 to 42.8	42.8 to 51	51 to 60.5	60.5 to 70	70 to 80	80 to 90	90 to 100	100 to 110	110 to 120	120 to 130	130 tp 140	140 to 150
SSML		1.0	350												PSL0101WBEA						
															PSL0101WBEB						
												PS	L0101WB	EC							
	5050														PS	L0101WE	BED				
	5050													PS	L0101WE	3FA					
														PS	L0101WE	BFB					
												PS	L0101WE	FC							
														PS	L0101WE	BFD					

## **Part No. Construction**



- \*1 Concerning the Brightness rank
   Please refer to the rank chart above for luminous intensity classification.
- Please refer to the Specification sheet for color classification.
  Part name is individual for each rank.
- When shipped as sample, the part name will be a representative part name.
  General products are free of ranks. Please contact sales if rank appointment is needed.
   \*2 Please refer to chromaticitydiagram.
- \*Please refer to the Specification sheet about Taping specification.

# **Packing Specification**

ROHM LED products are being shipped with desiccant (silica gel) concluded in moisture-proof bags.

Pasting the moisture sensitive label on the outer surface of the moisture-proof bags or enclosing the humidity indication card inside the bag is available upon request. Please contact the nearest sales office or distributer if necessary.

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