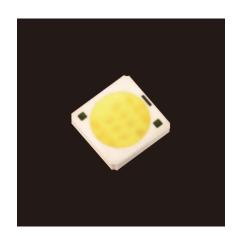


Data Sheet



PSL0102 series

Features

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



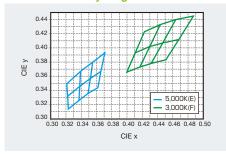


Specifications

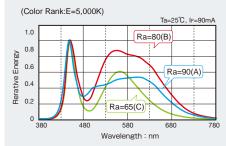
Part No.	Chip Structure	Emitting Color	Color Rending Index (Ra)		solute Max	imum Ratin	gs (Ta=25	°C)	Electrical and Optical Characteristics (Ta=25°C)									
				Power Dissipation Pp (mW)	Current	Peak Forward Current	Operating Temperature	Storage Temperature Tstg(°C)	Forward \	/oltage VF	Chromaticity (x, y)	I _F (mA)	Min.	ous Inter	IF(mA)	_		Luminous Efficiency (Im/W)
				Po (mvv)	I _F (mA)	IFP(mA)	Topr(C)	Isig(C)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	()	(, , , ,	()	(cd)		()		()	
□PSL0102WBEA	InGaN		65									120	8.2	12		44		100
□PSL0102WBEB		White	80	0.78							(0.345, 0.352)		5.4	10.8		38		95
□PSL0102WBEC		(5,000K)	90			400**2	-40 to +130	-40 to +130	3.3					8.2		30		75
□PSL0102WBED			74		200*1									11.6	120	42	120	75
□PSL0102WBFA			65										8.2	.2 10.6	120	37	120	93
□PSL0102WBFB		White	80								(0.437, 0.404)		5.4	8.5		31		78
□PSL0102WBFC		(3,000K)	90											7		25		63
□PSL0102WBFD			75										8.2	10.6		37		93

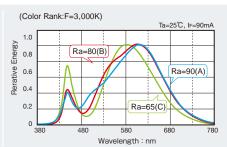
%1:Mounting condition must be carefully considered %2:Duty≦1/10, ≦10ms max.

White Chromaticity Diagram

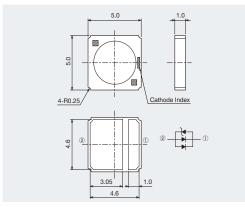


Spectram Data

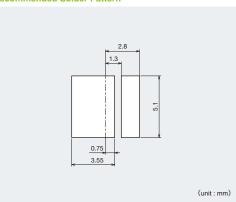




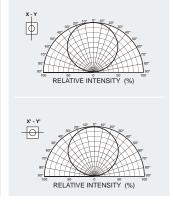
Dimensions



Recommended Solder Pattern

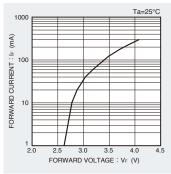


Viewing Angle

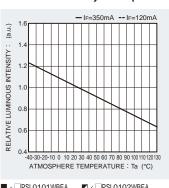


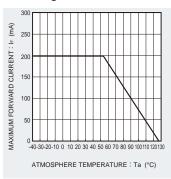
Electrical Characteristics Curves

Forward Current-Forward Voltage



■ Luminous Intensity-Atmosphere Temperature ■ Derating









PSL0102WBEA
PSL0102WBEB
PSL0102WBEC
PSL0102WBED

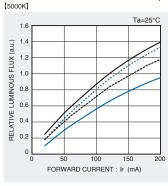


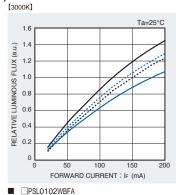
WBEA
VBEB
VBEC
VBED
VBFA

VBEA

| PSL0102WBEA
| PSL0102WBED
| PSL0102WBED

Luminous Flux-Forward Current (PSL0102 series)







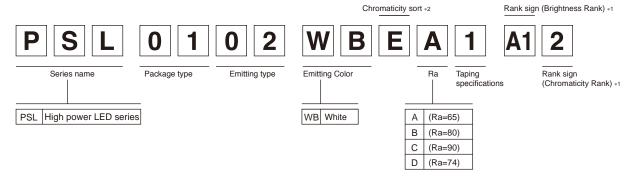
□PSL0102WBFA
 □PSL0102WBFB
 □PSL0102WBFC
 □PSL0102WBFD

Rank Reference of Brightness

White (WB)

Package structure	Package size	Height (mm)	Luminou flux (lm)	91	92	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
				0 to 10	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	100 to 110	110~120
SSML	5050	1.0	120				PSL0102WBE								
						PSL0102WBEB									
						PSL0102WBEC									
							PSL010			BED					
						PS	L0102WE	BFA							
						PSL0102WBFB									
					PS	.0102WBFC									
						PSL0102WBFD									

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.

Please contact the nearest sales office or distributer if necessary.

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