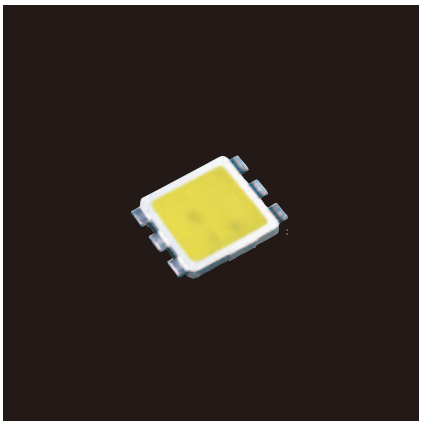


SMLV36 series

Actual size
3528(1411)
3.5×2.8mm(t=0.6mm)

Features

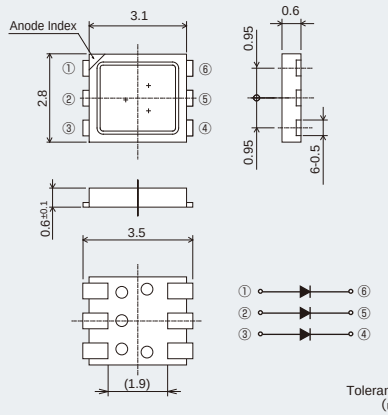
・High heat radiation, high efficiency white LEDs
・Low height made possible by flat frame structure

Color Type WB

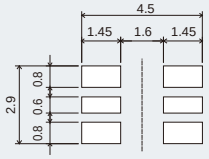
Specifications

Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)					Electrical and Optical Characteristics (Ta=25℃)								
			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Operating Temperature Topr(℃)	Storage Temperature Tstg(℃)	Forward Voltage VF Typ.(V)	Forward Voltage VF IF(mA)	Chromaticity Coordinates (x, y)	Chromaticity Coordinates IF(mA)	Luminous Intensity Iv Min.(mcd)	Luminous Intensity Iv Typ.(mcd)	Luminous Intensity Iv IF(mA)	Luminous Flux Φv Typ.(lm)	Luminous Flux Φv IF(mA)
☐SMLV36WBFAW	InGaN	High Color Rend. (5000K)	420	105	400	-40 to +85	-40 to +100	3.4	90	(0.36,0.36)	90	4.8	7.0	90	(25)	90
☐SMLV36WBFBW		High Color Rend. (3000K)								(0.44,0.40)					(20)	
☐SMLV36WBFCW		White								(0.30,0.28)		5.8	8.5		(30)	
☐SMLV36WBFDW										(0.34,0.34)			10.2			

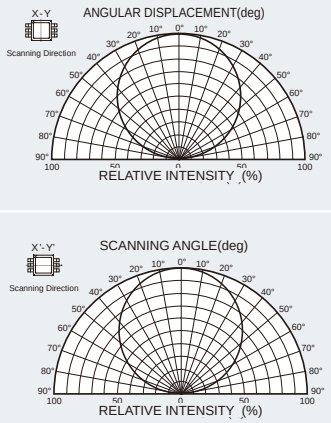
Dimensions



Recommended Solder Pattern

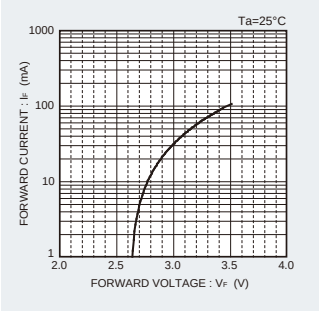


Viewing Angle



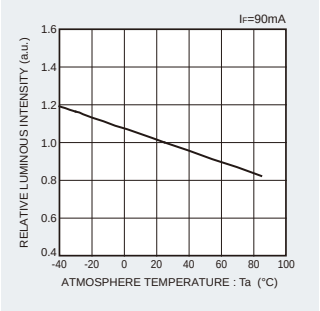
Electrical Characteristics Curves

Forward Current-Forward Voltage



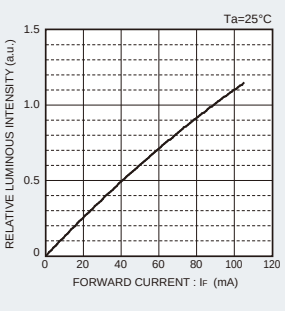
■ ☐SMLV36WBFAW
☐SMLV36WBFBW
☐SMLV36WBFCW
☐SMLV36WBFDW

Luminous Intensity-Atmosphere Temperature



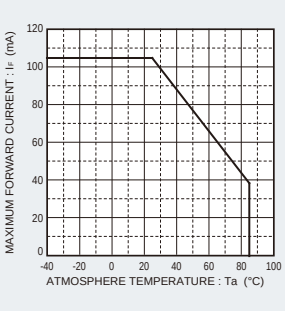
■ ☐SMLV36WBFAW
☐SMLV36WBFBW
☐SMLV36WBFCW
☐SMLV36WBFDW

Luminous Intensity-Forward Current



■ ☐SMLV36WBFAW
☐SMLV36WBFBW
☐SMLV36WBFCW
☐SMLV36WBFDW

Derating



■ ☐SMLV36WBFAW
☐SMLV36WBFBW
☐SMLV36WBFCW
☐SMLV36WBFDW

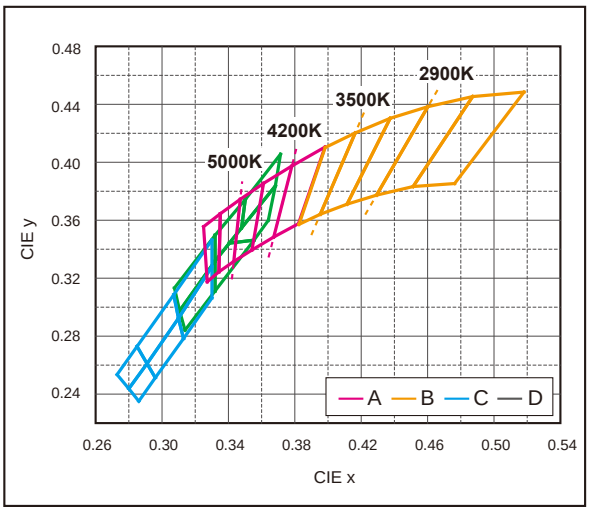
Rank Reference of Brightness

White (WB)

Package type	Package size (mm)	Height (mm)	Luminous Intensity (cd) / IF(mA)	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
				2.2 to 2.8	2.8 to 3.3	3.3 to 4.0	4.0 to 4.8	4.8 to 5.8	5.8 to 7.0	7.0 to 8.5	8.5 to 10.2	10.2 to 12.3	12.3 to 14.8	14.8 to 19	19 to 21.8	21.8 to 24.5	24.5 to 27.2	27.2 to 29.3	29.3 to 32.6	32.6 to 35.4
Chip LEDs with Reflector	3528	0.6	90					SMLV36WBFAW												
								SMLV36WBFBW												
									SMLV36WBFCW											
									SMLV36WBFDW											

※Brightness on specification sheet include tolerance of within ± 10%.

Chromaticity Diagram



Part No. Construction

Chromaticity sort ∗2 — Rank sign (Chromaticity Rank) ∗1

S	M	L	V	3	6	W	B	F	A	W	1	2	K

Series name — Package name — Chip Type — Emitting Color — Resin Color — Taping Specifications — Rank sign (Brightness Rank) ∗1

Emitting Color	
WB	White

Resin Color	
W	MilkyWhite

Taping Specifications	
1	Cathode at sprocket hole side

∗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 Chromaticity diagram.

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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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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http://moschip.ru/get-element

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