SLD430 / SLI-430 series

Features

- Oval lens
- Wide viewing angle(sideling)
- Center luminosity increased by condensing lights in side ways

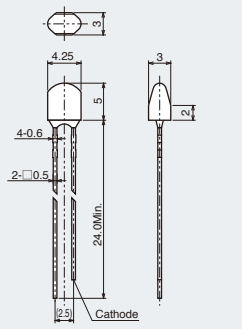
Color Type: U D Y M B WB

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)	Reverse Voltage VR(V)	Operating Temperature Topr(℃)	Storage Temperature Tstg(℃)	Forward Voltage VF Typ.(V)	VF IF(mA)	Reverse Current IR Max.(μA)	IR VR(V)	Dominant Wavelength λD Typ.(nm)	IF(mA)	Luminous Intensity Iv Min.(mcd)	Typ.(mcd)	IF(mA)
■ SLI-430U2R	AlGaInP	Red	75	30	100※	9	-40 to +85	-40 to +100	2.0	20	10	9	620	20	220	400	20
■ SLI-430DU		Orange											605			470	
■ SLI-430Y2U		Yellow							2.1				590		330	500	
■ SLI-430MG		Yellowish Green											570		68	120	
■ SLD430BD2W	InGaN	Blue	120			5			3.2			5	470		330	560	
□ SLD430WBD2PT		White					-20 to +80	-30 to +100					(0.31, 0.31)		680	1850	

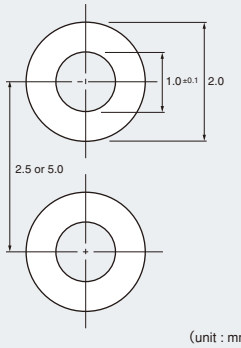
※:Duty1/10, 1kHz

Dimensions



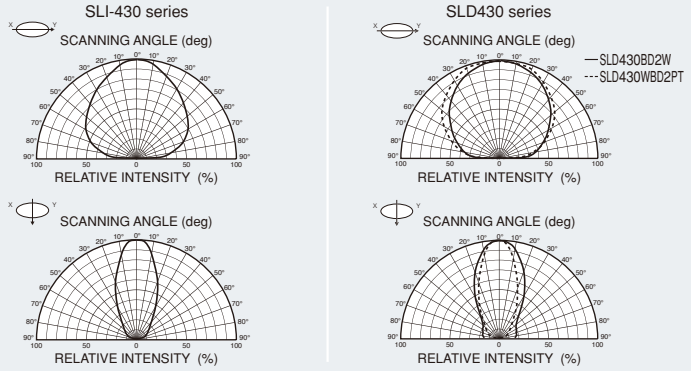
(unit : mm)

Recommended Solder Pattern



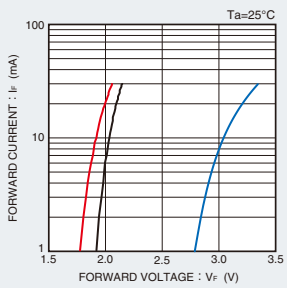
(unit : mm)

Viewing Angle



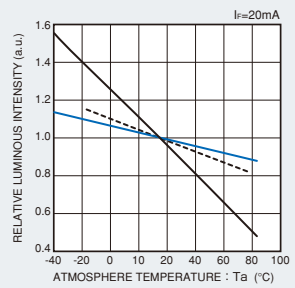
Electrical Characteristics Curves

Forward Current-Forward Voltage



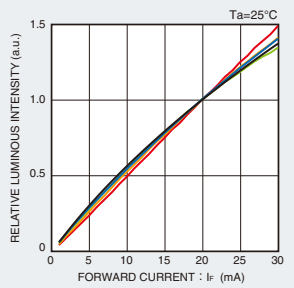
■ SLI-430U2R
■ SLI-430DU
SLI-430Y2U
SLI-430MG
■ SLD430BD2W
□ SLD430WBD2PT

Luminous Intensity-Atmosphere Temperature



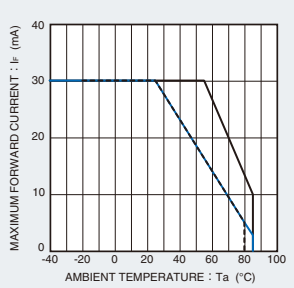
■ SLI-430U2R
SLI-430DU
SLI-430Y2U
SLI-430MG
■ SLD430BD2W
◩ □ SLD430WBD2PT

Luminous Intensity-Forward Current



■ SLI-430U2R
SLI-430DU
SLI-430Y2U
■ SLI-430MG
■ SLD430BD2W
■ □ SLD430WBD2PT

Derating



■ SLI-430U2R
SLI-430DU
SLI-430Y2U
SLI-430MG
■ SLD430BD2W
◩ □ SLD430WBD2PT

Rank Reference of Brightness

Red (U)

(IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
			47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ4 Oval type	140°	Diffused Colored					SLI-430U2R										

Orange (D)

(IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
			47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ4 Oval type	140°	Diffused Colored					SLI-430DU										

Yellow (Y)

(IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
			47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ4 Oval type	140°	Diffused Colored						SLI-430Y2U									

Green (M)

(IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
			47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ4 Oval type	140°	Diffused Colored		SLI-430MG													

Blue (B)

(IF=20mA)

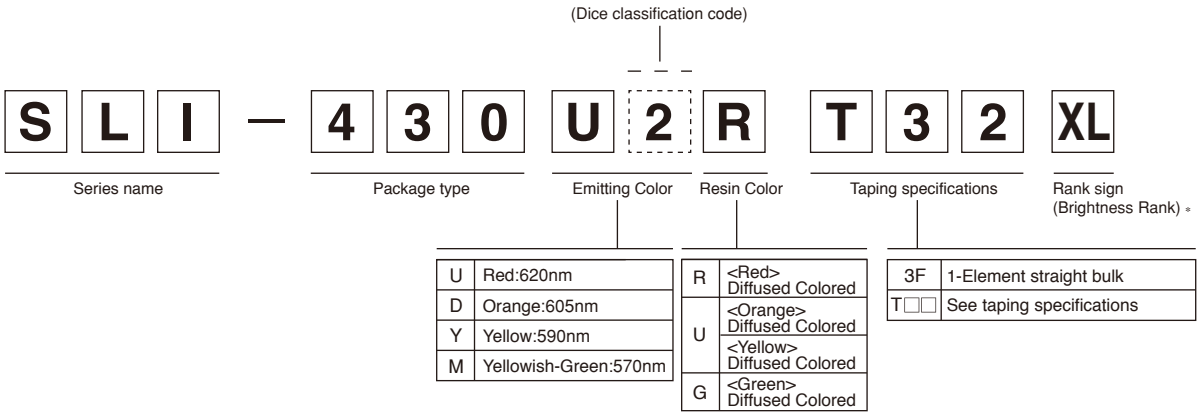
	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
			47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ4 Oval type	140°	Milky white						SLD430BD2W									

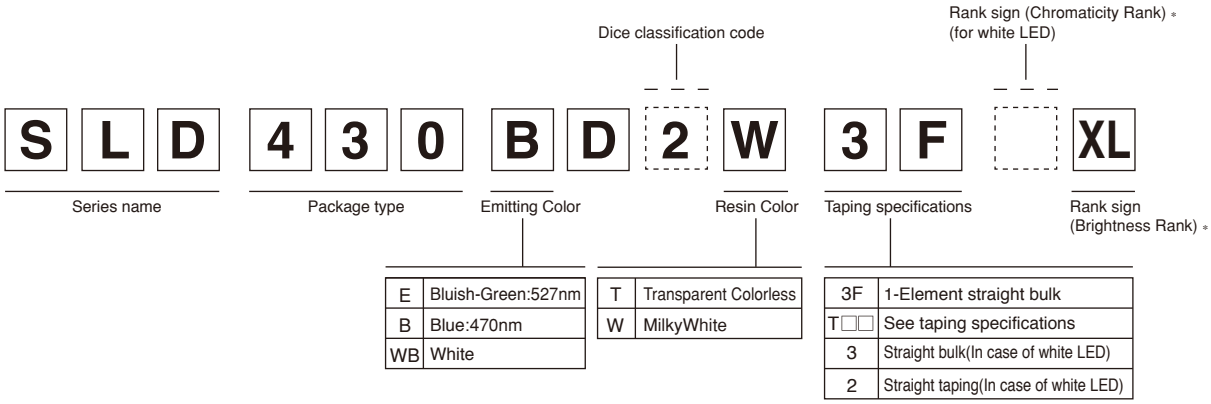
White (WB)

(IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
			47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ4 Oval type	140°	Milky white								SLD430WBD2PT							

Part No. Construction





∗ 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.

∗ Please refer to the Specification sheet about Taping specification.

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