SMD LEDs

ROHM's chip LEDs are designed for automatic surface mount processes and are available in a wide variety of package sizes (from 1.0×0.6mm)

Red (V, U) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630	630 to 1000	1000 to 1600	1600 to 2500	2500 to 3120
Mini-mold	1006	0.2	1		SML-P11VT (R)																
					SML-P11UT (R)																
			20								SML-P12VT (R)										
												SML-P12UT (R)									
											SML-P12U2T (R)										
	1608	0.36	20							SML-E12V8W											
											SML-E12U8W										
												*1SML-E12UW									
		0.55											SML-D15VW								
													SML-D14VW (A)*								
												SML-D13VW (A)*									
											SML-D12V1W										
										SML-D12V8W											
														SML-D15UW							
															SML-D15U2W						
														SML-D14U2W (A)*							
													SML-D13UW (A)*								
														SML-D13U8W							
														SML-D12U1W							
														SML-D12U8W							
	20125	0.8	20							SML-H12V8T											
											SML-H12U8T										
Reflector	20125	0.8	20									SML-M13VT									
													SML-M13UT								
	3020	1.3	20			SML-010VT															
											SML-011UT										
			10							SML-011VT (A)*											
			20									SML-012VT (A)*									
											SML-012V8T										
												SML-012U8T									
												SML-012UT									
													SML-013UT								
PLCC2	3528	1.9	50											SML-Z14V4T*							
																SML-Z14U4T*					
			20									SML-Z14VT (A)*									
														SML-Z14UT (A)*							
Side View (mold)	16115	0.55	20							SML-A12V8T											
											SML-A12U8T										
												*1SML-A12UT (J)									
Reverse Mount	34125	1.1	10						SML-811VT (A)*												
									SML-811UT (A)*												
Lens	1608	1.24	20											CSL0901VT							
														CSL0901UT							
														CSL0902VT							
															CSL0902UT						
																☆CSL0903VT					
																	☆CSL0903UT				
	3216	1.85													SML-S13VT						
																	SML-S13UT				

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (cd) / I_F (mA)	4.5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 12	12 to 14	14 to 16	16 to 18	18 to 20	20 to 22	22 to 25
Lens	2924	3.1	20					CSL0701UT							
PLCC	3528	1.9	140		☆SML-Y18U2T (C)										

Orange (D) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630	630 to 1000	1000 to 1600	1600 to 2800
Mini-mold	1006	0.2	1				SML-P11DT (R)													
			20										SML-P12DT (R)							
	1608	0.36	20										*1SML-E12DW							
												SML-E12D8W								
		0.55												SML-D15DW						
															SML-D14DW (A)*					
														SML-D13DW (A)*						
												SML-D12D8W								
													SML-D12D1W							
	20125	0.8	20									SML-H12D8T								
Reflector	20125	0.8	20											SML-M13DT						
	3020	1.3	20				SML-010DT													
												SML-011DT								
			10								SML-011DT (A)*									
			20											SML-012DT (A)*						
													SML-012D8T							
												SML-012DT								
PLCC2	3528	1.9	50														SML-Z14D4T*			
			20												SML-Z14DT (A)*					
Side View (mold)	16115	0.55	20									SML-A12D8T								
												*1SML-A12DT (J)								
Reverse Mount	34125	1.1	10							SML-811DT (A)*										
Lens	1608	1.24	20													CSL0901DT				
																	CSL0902DT			
																		☆CSL0903DT		
	3216	1.85																SML-S13DT		

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (cd) / I_F (mA)	6 to 7	7 to 8	8 to 9	9 to 10	10 to 12	12 to 14	14 to 16	16 to 18	18 to 20	20 to 22	22 to 24	24 to 27	27 to 30	30 to 33	33 to 36	36 to 40	40 to 45	45 to 56
Lens	2924	3.1	20										CSL0701DT								

*Please note that the brightness of some products may fall between ranks (half rank).
*1 Brightness on specification sheet include tolerance of within ±10%. Note: Please be sure to refer the specifications about the rank.

☆: Under Development

Yellow (Y, W) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630	630 to 1000	1000 to 1600	1600 to 2800
Mini-mold	1006	0.2	1				SML-P11YT (R)													
			20									SML-P12YT (R)								
												SML-P12Y3T (R)								
										SML-P12Y2T (R)										
											SML-P12WT (R)									
	1608	0.36	20								SML-E12Y8W									
		0.55	2		SML-D11YW															
							SML-D12W8W (A)*													
			20													SML-D15YW				
														SML-D14YW (A)*						
														SML-D14WW (A)*						
													SML-D13WW (A)*							
													SML-D13Y8W							
												SML-D13Y2W								
											SML-D12Y3W									
													SML-D12Y1W							
												SML-D12Y8W								
	20125	0.8	20									SML-H12Y8T								
Reflector	20125	0.8	20											SML-M13YT						
	3020	1.3	20			SML-010YT														
											SML-011YT									
			10						SML-011YT (A)*											
			20												SHL-012WT (A)*					
												SML-012YT (A)*								
												SML-012Y8T								
												SML-012YT								
														SML-013YT						
PLCC2	3528	1.9	50														SML-Z14Y4T*			
			20												SML-Z14YT (A)*					
Side View (mold)	16115	0.55	20								SML-A12Y8T									
											*1SML-A12WT (J)									
																SML-A15YT				
Reverse Mount	34125	1.1	10							SML-811WT (A)*										
Lens	1608	1.24	20												CSL0901YT					
															CSL0901WT					
																CSL0902YT				
															CSL0902WT					
																	☆CSL0903YT			
	3216	1.85																SML-S13YT		

Yellow Green (M), Green (P, F) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630	630 to 1000	1000 to 1800	1800 to 2500
Mini-mold	1006	0.2	1		SML-P11MT (R)																
			20							SML-P12M2T (R)											
	1608									SML-P12MT (R)											
									SML-P13FT (R)												
								SML-P13PT (R)													
		0.36					SML-E12P8W														
	1608									SML-E12M8W											
		0.55											SML-D15MW								
												SML-D14MW (A)*									
											SML-D13MW (A)*										
										SML-D13FW											
											SML-D13M8W										
							SML-D12P8W														
											SML-D12M1W										
										SML-D12M8W											
										SML-D12FW											
	20125	0.8	20							SML-H12M8T											
							SML-H12P8T														
Reflector	20125	0.8	5															SMLMN2PB1CW (C)			
			20									SML-M13MT									
									SML-M13PT												
	3020	1.3	20							SML-010MT											
							SML-010PT														
										SML-012PT (A)*											
												SML-012M8T									
							SML-012P8T														
PLCC2	3528	1.9	50									SML-Z14P4T*									
																SML-Z14M4T*					
													SML-Z14F4T*								
			20										SML-Z14MT (A)*								
										SML-Z14PT (A)*											
											SML-Z14FT (A)*										
Side View (mold)	16115	0.55	20								*1SML-A12MT (J)										
										SML-A12M8T											
							SML-A12P8T														
Reverse Mount	34125	1.1	20								SML-812MT										
Lens	1608	1.24	20											CSL0901MT							
											CSL0901PT										
															CSL0902MT						
												CSL0902PT									
	3216	1.85	20														SML-S13MT				
													SML-S13PT								

*Please note that the brightness of some products may fall between ranks (half rank).
*1 Brightness on specification sheet include tolerance of within ±10%. Note: Please be sure to refer the specifications about the rank.

☆: Under Development

SMD LEDs

Green (E)/Blue Green (E2, E3) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	9.0 to 14	14 to 22	22 to 36	36 to 56	56 to 90	90 to 140	140 to 220	220 to 360	360 to 560	560 to 900	900 to 1400	1400 to 2200	2200 to 3600	3600 to 5600
Mini-mold	1006	0.2	5					SMLP13EC8T									
	1608	0.36	5					SMLE13EC8T									
		0.55						SMLD12EN1W									
								SMLD12E2N1W									
								SMLD12E3N1W									
		1.24							CSL1001ET								
Reflector	20125	0.8	5					☆SMLM22EN1T (C)									
								SMLMN2ECT (C)									
	3020	1.3	20								SML012ECT						
								SML012EC4T									
PLCC2	3528	1.9	20											SMLZ24E2N3T			
														SMLZ14EGT (A)*			
Side View (mold)	16115	0.55	5			SMLA12EC6T											
Lens	3216	1.85	20													SMLS14EET	
	1608	1.24									CSL0901ET						
													CSL0902ET				

Blue (B) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	0.9 to 1.4	1.4 to 2.2	2.2 to 3.6	3.6 to 5.6	5.6 to 9.0	9 to 14	14 to 22	22 to 36	36 to 56	56 to 90	90 to 140	140 to 220	220 to 360	360 to 560	560 to 900	900 to 1400
Mini-mold	1006	0.2	5						SMLP13BC8T										
	1608	0.36	5							SMLEN3BC8T									
		0.55	5							SMLD12BN1W									
		1.24	1				CSL1001BT												
Reflector	1608	0.55	5									☆CSL1101SB11W (C)							☆CSL1103SB11W (C)
	20125	0.8	5										SMLMN2SB1CW (C)						
										☆SMLM22BN1T (C)									
										SMLMN2BCT (C)									
	3020	1.3	20									SML012BCT							
											SML012BC4T								
														SML013BDT					
PLCC2	3528	1.9	20												SMLZ14BGT (A)*				
																SMLZ24BN3T			
															SMLZN4BGT (A)*				
Side View (mold)	16115	0.55	5								SMLA13BC8T								
Reverse Mount	34125	1.1	20								SML812BCT								
Lens	3216	1.85	20															SMLS14BET	
	1608	1.24	5									CSL0901BT							
			20													CSL0902BT			

White (WB) Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (mcd) / I_F (mA)	9 to 14	14 to 22	22 to 36	36 to 56	56 to 90	90 to 140	140 to 220	220 to 360	360 to 560	560 to 900	900 to 1100	1100 to 1400	1400 to 1800	1800 to 2200	2200 to 2800	2800 to 3600	3600 to 7000	7000 to 8500
Mini-mold	1006	0.2	5						SMLP14WBCNIW												
	1608	0.36	5					SMLEN3WBC8W													
		0.55						SMLD12WBN1W													
Side View	16115	0.55	5			SMLA12WBC7W															
(Reflector)	2812	0.8	20													CSL0406WBCW					
Reverse Mount	34125	1.1	5			SML813WBC8W															
Reflector	1608	0.55	5					☆CSL1101WBAW (C)													
	20125	0.55	20										☆CSL1102WBAW (C)								
															☆CSL1103WBAW (C)						
																☆CSL1104WBAW (C)					
		0.8	5					☆SMLM22WBN1CW1T (C)													
								SMLMN2WB1CW (C)													
										SMLMN3WB2CW (C)											
	3020	1.3	20									SML013WBDW									
PLCC2	3528	1.9	20														SMLZN4WBGUW (A)*				

Package Structure	Package Size (mm)	Height (mm)	Luminous Intensity (cd) / I_F (mA)	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
Reflector	4520	0.6	90					SMLK18WBJCW													
								SMLK18WBJDW													
								SMLK28WBJCW													

*Please note that the brightness of some products may fall between ranks (half rank).
*1 Brightness on specification sheet include tolerance of within ±10%. Note: Please be sure to refer the specifications about the rank.

☆: Under Development

2 Colors Quick Reference of Brightness

Package Structure	Package Size (mm)	Height (mm)	I_F (mA)	Emitting Color \ Luminous Intensity (mcd)	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160
Mini-mold	1010	0.2	20	Red						SML-P24MUW (R)			
				Yellow Green									
	1315	0.6	5	Red					SML522BU1W				
				Blue									
			20	Red						SML-522MUW			
				Yellow Green									
				Red									
				Yellow Green						SML-522MU8W			
				Orange							SML-522MD8W		
				Yellow Green									
				Yellow Green							SML-522MY8W		
				Yellow									
	1608	0.55	5	Yellow Green				SML-D22MUW					
				Red									
				Yellow						SML-D22YVW			
				Red									
Reflector	3025	1.3	20	Orange									
				Yellow Green				SML-020MDT					
				Red			SML-020MVT						
				Yellow Green									
				Yellow Green					SML-020MYT				
				Yellow									
Reverse Mount	34125	1.1	20	Yellow Green						SML-822MV8W			
				Red									
				Yellow Green								SML-825MVW	
				Red									

3 Colors Quick Reference of Brightness

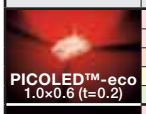
Package Structure	Package Size (mm)	Height (mm)	I_F (mA)	Emitting Color \ Luminous Intensity (mcd)	5.6 to 9.0	9.0 to 14	14 to 22	22 to 36	36 to 56	56 to 90	90 to 140	140 to 220	220 to 360	360 to 560	560 to 900	900 to 1400	1400 to 1800
Mini-mold	1010	0.2	5	Red													
				Green					SMLP34RGB2W								
				Blue													
				Red													
				Green						☆SMLP34RGBN1W							
				Blue													
	1510	0.2	5	Red													
				Green					SMLP36RGB2W (R)								
				Blue													
Reflector	1816	0.5	20	Red													
				Green								MSL0402RGBU					
				Blue													
	3528	0.6		Red													
				Green											SMLVN6RGB1W		
				Blue													
				Red													
				Green											SMLVN6RGB1U		
				Blue													
				Red													
				Green											SMLVN6RGB7W		
				Blue													
Side View (Reflector)	2910	1.35	20	Red													
				Green											MSL0601RGBU		
				Blue													
	6922	2.15		Red													
				Green											MSL0104RGBW		
				Blue													
				Red													
				Green											MSL0104RGBU		
				Blue													

*1 Brightness on specification sheet include tolerance of within ±10%. Note: Please be sure to refer the specifications about the rank.

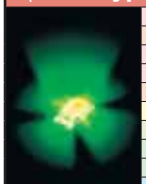
☆: Under Development

SMD LEDs

⟨PICOLED™ Mold type 0402 (1006M)⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C)						Electrical and Optical Characteristics (T_a=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	Forward Voltage V_F I_F (mA)	Reverse Current I_R Max (μA)	Reverse Current I_R V_R (V)	Dominant Wavelength λ_D/ Chromaticity Coordinates (x, y) Typ* (nm)	Luminous Intensity I_V I_F (mA)	Luminous Intensity I_V Min (mcd)	Luminous Intensity I_V Typ (mcd)	Luminous Intensity I_V Max (mcd)	Luminous Intensity I_V I_F (mA)	
 PICOLED™-eco 1.0×0.6 (t=0.2)	SML-P11VT (R)	Red	50	20	100*2	5	−40 to +85	−40 to +100	1.8	1	10	5	626	1	2	4	6	1	—
	SML-P11UT (R)	Red	50	20	100*2	5	−40 to +85	−40 to +100	1.8	1	10	5	621	1	1	3	6	1	—
	SML-P11DT (R)	Orange	52	20	100*2	5	−40 to +85	−40 to +100	1.9	1	10	5	605	1	4	7	16	1	—
	SML-P11YT (R)	Yellow	52	20	100*2	5	−40 to +85	−40 to +100	1.9	1	10	5	586	1	4	8	16	1	—
	SML-P11MT (R)	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	1.9	1	10	5	569	1	1	2	4	1	—
 PICOLED™ 1.0×0.6 (t=0.2) New	SML-P12VT (R)	Red	50	20	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	630	20	25	60	100	20	—
	SML-P12UT (R)	Red	50	20	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	620	20	40	85	160	20	—
	SML-P12U2T (R)	Red	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	615	20	25	70	160	20	—
	SML-P12DT (R)	Orange	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	605	20	63	100	250	20	—
	SML-P12Y3T (R)	Yellow	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	596	20	40	90	250	20	—
	SML-P12YT (R)	Yellow	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	590	20	40	100	160	20	—
	SML-P12WT (R)	Yellow	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	585	20	25	70	160	20	—
	SML-P12Y2T (R)	Yellow	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	580	20	16	50	100	20	—
	SML-P12M2T (R)	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	576	20	10	25	63	20	—
	SML-P12MT (R)	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	10	25	63	20	—
	SML-P13FT (R)	Green	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	566	20	6	18	40	20	—
	SML-P13PT (R)	Green	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	560	20	4	10	16	20	—
	SMLP13EC8T	Green	34	10	50*2	5	−40 to +85	−40 to +100	3.0	5	100	5	527	5	56	110	220	5	—
	SMLP13BC8T	Blue	33	10	50*2	5	−40 to +85	−40 to +100	2.9	5	100	5	470	5	9	25	56	5	—
	SMLP14WBCN1W	White	33	10	50*2	5	−40 to +85	−40 to +100	2.9	5	100	5	(x, y) (0.30, 0.30)	5	90	180	360	5	—

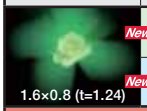
⟨Mold type 0603 (1608M)⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C)						Electrical and Optical Characteristics (T_a=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	Forward Voltage V_F I_F (mA)	Reverse Current I_R Max (μA)	Reverse Current I_R V_R (V)	Dominant Wavelength λ_D/ Chromaticity Coordinates (x, y) Typ* (nm)	Luminous Intensity I_V I_F (mA)	Luminous Intensity I_V Min (mcd)	Luminous Intensity I_V Typ (mcd)	Luminous Intensity I_V Max (mcd)	Luminous Intensity I_V I_F (mA)	
 1.6×0.8 (t=0.36)	SML-E12UW	Red	62	25	60*1	5	−30 to +85	−40 to +85	2.0	20	10	5	624	20	36	85	280	20	—
	SML-E12DW	Orange	62	25	60*1	5	−30 to +85	−40 to +85	2.0	20	10	5	607	20	56	150	450	20	—
	SML-E12V8W	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	630	20	16	40	100	20	—
	SML-E12U8W	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	620	20	25	63	160	20	—
	SML-E12D8W	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	40	100	250	20	—
	SML-E12Y8W	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	25	63	160	20	—
	SML-E12M8W	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	10	25	63	20	—
	SML-E12P8W	Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	560	20	3	6	16	20	—
	SMLE13EC8T	Green	68	20	100*2	5	−40 to +85	−40 to +100	3.0	5	10	5	527	5	56	120	360	5	—
	SMLEN3BC8T	Blue	66	20	100*2	5	−40 to +85	−40 to +100	2.9	5	10	5	470	5	14	40	90	5	—
	SMLEN3WBC8W	White	33	10	50*2	5	−40 to +85	−40 to +100	2.9	5	10	5	(x, y) (0.30, 0.30)	5	56	120	220	5	—
 1.6×0.8 (t=0.55)	SML-D11YW	Yellow	67	25	100*2	5	−40 to +85	−40 to +100	1.9	2	10	5	588	2	2	4	6	2	—
	SML-D12W8W (A)	Yellow	52	20	100*2	12	−40 to +100	−40 to +100	2.0	2	10	12	588	2	5	7	9	2	YES
	SML-D12V1W	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	630	20	25	40	63	20	—
	SML-D12U1W	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	620	20	40	63	100	20	—
	SML-D12D1W	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	63	100	160	20	—
	SML-D12Y1W	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	63	100	160	20	—
	SML-D12M1W	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	16	30	63	20	—
	SML-D12V8W	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	630	20	16	40	100	20	YES
	SML-D12U8W	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	620	20	25	63	160	20	YES
	SML-D12D8W	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	40	100	250	20	YES
	SML-D12Y8W	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	25	63	160	20	YES
	SML-D12Y3W	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	581	20	16	40	100	20	—
	SML-D12M8W	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	10	25	63	20	YES
	SML-D12FW	Green	67	25	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	565	20	14	18	28	20	—
	SML-D12P8W	Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	560	20	3	6	16	20	YES
	SMLD12EN1W	Green	70	20	100*2	5	−40 to +100	−40 to +100	3.0	5	10	5	527	5	56	140	220	5	YES
	SMLD12E2N1W	Blue Green	66	20	100*2	5	−40 to +100	−40 to +100	2.9	5	10	5	505	5	56	120	140	5	YES
	SMLD12E3N1W	Blue Green	66	20	100*2	5	−40 to +100	−40 to +100	2.9	5	10	5	496	5	56	85	140	5	YES
	SMLD12BN1W	Blue	66	20	100*2	5	−40 to +100	−40 to +100	2.9	5	10	5	470	5	14	40	56	5	YES
	SMLD12WBN1W	White	66	20	100*2	5	−40 to +100	−40 to +100	2.9	5	10	5	(x, y) (0.295, 0.280)	5	56	120	220	5	YES
	SML-D13VW (A)	Red	72	30	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	630	20	36	55	90	20	YES
	SML-D13UW (A)	Red	72	30	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	620	20	56	85	140	20	YES
	SML-D13DW (A)	Orange	72	30	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	605	20	71	120	180	20	YES
	SML-D13WW (A)	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	587	20	71	110	180	20	YES
	SML-D13MW (A)	Yellow Green	75	30	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	571	20	28	45	71	20	YES
	SML-D13U8W	Red	52	20	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	620	20	40	70	160	20	—
	SML-D13Y8W	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	63	100	160	20	—
	SML-D13Y2W	Yellow	78	30	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	581	20	40	80	160	20	—
	SML-D13M8W	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	16	30	63	20	—
	SML-D13FW	Green	81	30	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	565	20	18	22	36	20	YES
	SML-D14VW (A)	Red	72	30	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	630	20	71	100	180	20	YES
	SML-D14U2W (A)	Red	75	30	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	615	20	90	160	224	20	YES
	SML-D14DW (A)	Orange	75	30	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	605	20	112	200	280	20	YES
	SML-D14YW (A)	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	590	20	112	200	280	20	YES
	SML-D14WW (A)	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	587	20	112	180	280	20	YES
	SML-D14MW (A)	Yellow Green	75	30	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	571	20	36	60	90	20	YES
	SML-D15VW	Red	84	35	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	630	20	71	90	112	20	YES
	SML-D15UW	Red	84	35	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	620	20	90	112	140	20	YES
	SML-D15U2W	Red	84	35	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	615	20	112	140	180	20	YES
	SML-D15DW	Orange	84	35	100*2	5	−40 to +100	−40 to +100	2.0	20	10	5	605	20	180	224	280	20	YES
	SML-D15YW	Yellow	87	35	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	590	20	180	224	280	20	YES
	SML-D15MW	Yellow Green	87	35	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	571	20	56	71	90	20	YES

*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Duty≤1/20, 1ms *4 Duty≤1/5, 1kHz *5 Duty1/10, pulse width 10ms Max ( ): Reference ☆: Under Development
*Brightness for white color is noted with chromaticity coordinate (x, y).
Note: "PICOLED™" is a pending trademarks of ROHM Co., Ltd.

SMD LEDs

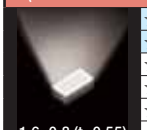
⟨Mold type 0603 (1608M)⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C)						Electrical and Optical Characteristics (T_a=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λ_D Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	
 1.6×0.8 (t=1.24)	New CSL1001ET	Green	35	10	50*2	5	−40 to +100	−40 to +100	3.0	5	10	5	527	5	90	140	224	5	YES
	New CSL1001BT	Blue	33	10	50*2	5	−40 to +100	−40 to +100	2.8	1	10	5	470	1	4	6	9	1	YES

⟨Mold type 0805 (20125M)⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C)						Electrical and Optical Characteristics (T_a=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λ_D/ Chromaticity Coordinates (x, y) Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	
 2.0×1.25 (t=0.8)	SML-H12V8T	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	630	20	16	25	63	20	YES
	SML-H12U8T	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	620	20	25	40	100	20	YES
	SML-H12D8T	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	40	63	160	20	YES
	SML-H12Y8T	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	40	63	160	20	YES
	SML-H12M8T	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	10	25	40	20	YES
	SML-H12P8T	Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	560	20	3	4	10	20	YES

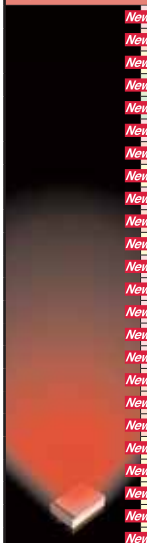
⟨Reflector type 0603 (1608M)⟩

 1.6×0.8 (t=0.55)	☆CSL1101SB11W (C)	Blue	68	(20)	100*2	12	−40 to +100	−40 to +100	2.9	5	10	5	(x, y) (0.185, 0.161)	5	(45)	(62)	(81)	5	(YES)
	☆CSL1103SB11W (C)	Blue	152	(40)	100*2	12	−40 to +100	−40 to +100	3.2	20	10	5	(x, y) (0.185, 0.161)	20	(780)	(1,100)	(1,400)	20	(YES)
	☆CSL1101WBAW (C)	White	68	(20)	100*2	12	−40 to +100	−40 to +100	2.9	5	10	5	(x, y) (0.281, 0.247)	5	(71)	(120)	(180)	5	(YES)
	☆CSL1102WBAW (C)	White	152	40	100*2	12	−40 to +110	−40 to +110	3.2	20	10	5	(x, y) (0.281, 0.247)	20	(710)	950	(1,400)	20	(YES)
	☆CSL1103WBAW (C)	White	152	40	100*2	12	−40 to +110	−40 to +110	3.2	20	10	5	(x, y) (0.281, 0.247)	20	(1,100)	1,500	(2,200)	20	(YES)
	☆CSL1104WBAW (C)	White	144	40	100*2	12	−40 to +110	−40 to +110	2.9	20	10	5	(x, y) (0.281, 0.247)	20	(1,400)	2,200	(2,800)	20	(YES)

⟨Reflector type 0805 (20125M)⟩

 2.0×1.25 (t=0.8)	SML-M13VT	Red	75	30	100*2	5	−40 to +85	−40 to +100	2	20	10	5	630	20	40	75	100	20	—
	SML-M13UT	Red	75	30	100*2	5	−40 to +85	−40 to +100	2	20	10	5	620	20	63	120	160	20	—
	SML-M13DT	Orange	75	30	100*2	5	−40 to +85	−40 to +100	2	20	10	5	605	20	100	160	250	20	—
	SML-M13YT	Yellow	75	30	100*2	5	−40 to +85	−40 to +100	2	20	10	5	590	20	100	160	250	20	—
	SML-M13MT	Yellow Green	81	30	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	25	45	100	20	—
	SML-M13PT	Green	81	30	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	560	20	6	16	25	20	—
	SMLMN2ECT (C)	Green	70	20	100*2	12	−40 to +100	−40 to +100	3	5	10	12	527	5	56	140	360	5	YES
	SMLMN2BCT (C)	Blue	68	20	100*2	12	−40 to +100	−40 to +100	2.9	5	10	12	470	5	14	36	90	5	YES
	SMLMN2PB1CW (C)	Green	68	20	100*2	12	−40 to +100	−40 to +100	2.9	5	10	12	(x, y) (0.42, 0.55)	5	140	200	280	5	YES
	SMLMN2SB1AW (C)	Blue	68	20	100*2	12	−40 to +100	−40 to +100	2.9	5	10	12	(x, y) (0.195, 0.187)	5	71	105	140	5	YES
	SMLMN2WB1CW (C)	White	68	20	100*2	12	−40 to +100	−40 to +100	2.9	5	10	12	(x, y) (0.30, 0.28)	5	56	140	220	5	YES
	☆SMLM22EN1T (C)	Green	70	20	100*2	—	−40 to +100	−40 to +100	3	5	—	—	527	5	(56)	(140)	(360)	5	(YES)
	☆SMLM22BN1T (C)	Blue	68	20	100*2	—	−40 to +100	−40 to +100	2.9	5	—	—	470	5	(14)	(36)	(90)	5	(YES)
	☆SMLM22WBN1CW1T (C)	White	68	20	100*2	—	−40 to +100	−40 to +100	2.9	5	—	—	(x, y) (0.30, 0.30)	5	(56)	(140)	(220)	5	(YES)
	New SMLMN3WB2CW (C)	White	114	30	100*2	12	−40 to +100	−40 to +100	2.9	5	10	12	(x, y) (0.30, 0.28)	5	180	260	360	5	YES

⟨Reflector type (3020M)⟩

 3.0×2.0 (t=1.3)	New SML-010VT	Red	70	25	60*1	4	−30 to +85	−40 to +85	2	20	10	4	650*6	20	2	6	18	20	—
	New SML-010DT	Orange	70	25	60*1	4	−30 to +85	−40 to +85	2	20	100	4	610*6	20	4	10	28	20	—
	New SML-010YT	Yellow	70	25	60*1	4	−30 to +85	−40 to +85	2.1	20	100	4	585*6	20	2	6	18	20	—
	New SML-010MT	Yellow Green	70	25	60*1	4	−30 to +85	−40 to +85	2.2	20	100	4	570*6	20	6	25	45	20	—
	New SML-010PT	Green	70	25	60*1	4	−30 to +85	−40 to +85	2.2	20	100	4	555*6	20	2	6	18	20	—
	New SML-011UT	Red	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	630*6	20	22	63	180	20	—
	New SML-011DT	Orange	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	611*6	20	22	63	180	20	—
	New SML-011YT	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	590*6	20	22	63	180	20	—
	New SML-011VT (A)	Red	75	30	100*2	5	−40 to +100	−40 to +100	2	10	10	5	639*6	10	14	28	56	10	—
	New SML-011DT (A)	Orange	75	30	100*2	5	−40 to +100	−40 to +100	2	10	10	5	611*6	10	22	45	90	10	—
	New SML-011YT (A)	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2	10	10	5	590*6	10	11	22	45	10	—
	New SML-012VT (A)	Red	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	630	20	36	71	140	20	—
	New SML-012V8T	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	630	20	25	63	160	20	—
	New SML-013UT	Red	75	30	100*2	5	−30 to +85	−40 to +100	2	20	10	5	624	20	90	220	710	20	—
	New SML-012U8T	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	620	20	40	100	250	20	—
	New SML-012UT	Red	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	624	20	36	100	280	20	—
	New SML-012DT (A)	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	71	140	280	20	—
	New SML-012D8T	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	63	160	400	20	—
	New SML-012DT	Orange	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	606	20	36	100	280	20	—
	New SML-012YT (A)	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	587	20	56	112	224	20	—
	New SML-012Y8T	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	40	100	250	20	—
	New SML-012YT	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	590	20	36	100	280	20	—
	New SML-013YT	Yellow	75	30	100*2	5	−40 to +85	−40 to +100	2.1	20	10	5	590	20	100	250	630	20	—
	New SML-012WT (A)	Yellow	75	30	100*2	5	−40 to +100	−40 to +100	2	20	10	5	590	20	140	280	450	20	—
	New SML-012M8T	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	16	40	100	20	—
	New SML-012PT (A)	Green	62	25	60*2	5	−40 to +100	−40 to +100	2.1	20	10	5	560	20	9	18	36	20	—
	New SML-012P8T	Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	560	20	3	18	25	20	—
	New SML012BCT	Blue	84	20	100*2	5	−30 to +85	−40 to +100	3.3	20	100	5	470	20	36	100	—	20	—
	New SML012ECT	Green	84	20	100*2	5	−30 to +85	−40 to +100	3.3	20	100	5	525	20	140	360	—	20	—
	New SML012BC4T	Blue	84	20	100*2	5	−30 to +85	−40 to +100	3.2	20	100	5	470	20	22	36	90	20	—
	New SML012EC4T	Green	84	20	100*2	5	−30 to +85	−40 to +100	3.2	20	100	5	525	20	56	140	360	20	—
	New SML013BDT	Blue	78	20	100*2	5	−30 to +85	−40 to +100	3.2	20	100	5	470	20	90	250	560	20	—
	New SML013WBDW	White	84	20	100*2	5	−30 to +85	−40 to +100	3.2	20	100	5	(x, y) (0.30, 0.30)	20	360	900	1,400	20	—

*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Duty≤1/20, 1ms *4 Duty≤1/5, 1kHz *5 Duty1/10, pulse width 10ms Max *6 Peak wavelength

(YES): Planning ( ): Reference ☆: Under Development

*Brightness for white color is noted with chromaticity coordinate (x, y).

Note: AutomotiveGrade products are indicated by a 'C' at the end of the part number. For details, please contact a sales representative.

SMD LEDs

⟨Reflector type PLCC (3528M)⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λ_D/ Chromaticity Coordinates (x, y) Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
PLCC 3.5×2.8 (t=1.9)	SML-Z14V4T	Red	189	70	200*2	12	−40 to 100	−40 to 100	2	50	10	12	630	50	140	280	560	50	—
	SML-Z14VT (A)	Red	168	70	200*2	12	−40 to 100	−40 to 100	1.9	20	10	12	630	20	56	112	180	20	YES
	SML-Z14U4T	Red	189	70	200*2	12	−40 to 100	−40 to 100	2	50	10	12	620	50	280	560	1,120	50	—
	SML-Z14UT (A)	Red	168	70	200*2	12	−40 to 100	−40 to 100	1.9	20	10	12	620	20	112	224	355	20	YES
	SML-Z14D4T	Orange	189	70	200*2	12	−40 to 100	−40 to 100	2	50	10	12	605	50	355	710	1,400	50	—
	SML-Z14DT (A)	Orange	168	70	200*2	12	−40 to 100	−40 to 100	1.9	20	10	12	605	20	140	280	450	20	YES
	SML-Z14Y4T	Yellow	189	70	200*2	12	−40 to 100	−40 to 100	2.1	50	10	12	590	50	355	710	1,400	50	—
	SML-Z14YT (A)	Yellow	175	70	200*2	12	−40 to 100	−40 to 100	2	20	10	12	589	20	140	280	450	20	YES
	SML-Z14M4T	Yellow Green	189	70	200*2	12	−40 to 100	−40 to 100	2.1	50	10	12	572	50	112	224	450	50	—
	SML-Z14MT (A)	Yellow Green	175	70	200*2	12	−40 to 100	−40 to 100	2	20	10	12	571	20	45	90	140	20	YES
	SML-Z14F4T	Green	189	70	200*2	12	−40 to 100	−40 to 100	2.1	50	10	12	565	50	56	120	180	50	—
	SML-Z14FT (A)	Green	175	70	200*2	12	−40 to 100	−40 to 100	2	20	10	12	564	20	22	45	71	20	YES
	SML-Z14P4T	Green	189	70	200*2	12	−40 to 100	−40 to 100	2.1	50	10	12	561	50	22	56	90	50	—
	SML-Z14PT (A)	Green	175	70	200*2	12	−40 to 100	−40 to 100	2	20	10	12	560	20	11	22	36	20	YES
	SMLZ14EGT (A)	Green	120	30	100*2	5	−40 to 100	−40 to 100	3.4	20	10	5	528	20	710	1,100	1,800	20	YES
	SMLZ14BGT (A)	Blue	114	30	100*2	5	−40 to 100	−40 to 100	3.3	20	10	5	470	20	140	280	450	20	YES
	SMLZN4BGT (A)	Blue	114	30	100*2	0.9	−40 to 85	−40 to 100	3.3	20	—	—	470	20	140	300	450	20	—
	SMLZN4WBGUW (A)	White	114	30	100*2	0.9	−40 to 85	−40 to 100	3.3	20	—	—	(x, y) (0.30, 0.28)	20	1,800	2,400	3,600	20	—
	SMLZ24E2N3T (C)	Blue Green	152	40	100*2	—	−40 to 100	−40 to 100	3.2	20	—	—	505	20	900	1,140	1,800	20	YES
	SMLZ24BN3T (C)	Blue	114	30	100*2	0.9	−40 to 100	−40 to 100	3.3	20	—	—	470	20	220	300	450	20	YES
	☆SML-Y18U2T (C)	Red	600	(200)	1,000*2	12	−40 to 100	−40 to 100	—	140	10	12	618	140	(4,500)	—	(9,000)	140	(YES)

⟨Reflector type (4520M)⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Chromaticity Coordinates* (x, y)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Luminous Flux ϕ_V Typ (lm)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
4.5×2.0 (t=0.6)	SMLK18WBJCW	White	675	150	230*5	5	−40 to +100	−40 to +100	3.9	90	10	5	(0.30, 0.28)	90	4,800	5,900	8,500	90	21	90	—
	SMLK18WBJDW	White	675	150	230*5	5	−40 to +100	−40 to +100	3.9	90	10	5	(0.34, 0.34)	90	4,800	6,000	8,500	90	22	90	—
	SMLK28WBJCW	White	675	150	230*5	5	−40 to +100	−40 to +100	3.9	90	—	—	(0.30, 0.28)	90	4,800	5,900	8,500	90	21	90	—

⟨Side View type⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λ_D/ Chromaticity Coordinates (x, y) Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
1.6×1.15 (t=0.55)	SML-A12V8T	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	630	20	16	40	100	20	—
	SML-A12U8T	Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	620	20	25	63	160	20	—
	SML-A12D8T	Orange	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	605	20	40	100	250	20	—
	SML-A12Y8T	Yellow	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	590	20	25	63	160	20	—
	SML-A12M8T	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	572	20	10	25	63	20	—
	SML-A12P8T	Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	10	5	560	20	3	6	16	20	—
	SML-A12UT (J)	Red	75	30	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	624	20	36	100	280	20	—
	SML-A12DT (J)	Orange	75	30	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	606	20	36	100	280	20	—
	SML-A12WT (J)	Yellow	75	30	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	590	20	36	63	180	20	—
	SML-A12MT (J)	Yellow Green	65	25	100*2	5	−30 to +85	−40 to +85	2.1	20	100	5	570	20	14	40	110	20	—
	SML-A15YT	Yellow	87	35	100*2	5	−40 to +100	−40 to +100	2.1	20	10	5	590	20	180	—	280	20	—
	SMLA12EC6T	Green	68	20	100*2	5	−40 to +85	−40 to +100	3.0	5	100	5	527	5	22	56	140	5	—
	SMLA13BC8T	Blue	66	20	100*2	5	−40 to +85	−40 to +100	2.9	5	10	5	470	5	22	36	56	5	—
	SMLA12WBC7W	White	33	10	50*2	5	−40 to +85	−40 to +100	2.9	5	10	5	(x, y) (0.30, 0.30)	5	22	56	140	5	—
2.8×1.2 (t=0.8)	CSL0406WBCW	White	117	30	100*2	5	−40 to +85	−40 to +100	3.2	20	50	5	(x, y) (0.30, 0.28)	20	1,400	2,200	3,600	20	—

⟨Reverse Mount Available type⟩

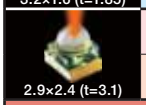
Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λ_D/ Chromaticity Coordinates (x, y) Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
Mold type 3.4×1.25 (t=1.1)	SML-811VT (A)	Red	62	25	100*2	5	−40 to +85	−40 to +100	2.0	10	100	5	630	10	11	22	45	10	YES
	SML-811UT (A)	Red	62	25	100*2	5	−40 to +85	−40 to +100	2.0	10	100	5	620	10	11	22	45	10	YES
	SML-811DT (A)	Orange	62	25	100*2	5	−40 to +85	−40 to +100	2.0	10	100	5	605	10	11	22	45	10	YES
	SML-811WT (A)	Yellow	62	25	100*2	5	−40 to +85	−40 to +100	2.0	10	100	5	590	10	14	28	56	10	YES
	SML-812MT	Yellow Green	65	25	60*1	4	−30 to +85	−40 to +85	2.1	20	100	4	571	20	14	40	110	20	—
	SML812BCT	Blue	80	20	100*2	5	−30 to +85	−40 to +85	3.3	20	100	5	470	20	22	56	140	20	—
	SML813WBC8W	White	33	10	50*2	5	−40 to +85	−40 to +100	2.9	5	10	5	(x, y) (0.30, 0.30)	5	22	45	90	5	—
2 Color type 3.4×1.25 (t=1.1)	SML-822MV8W	Yellow Green	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	100	5	572	20	16	25	40	20	—
		Red	54	20	100*2	5	−40 to +85	−40 to +100	2.2	20	100	5	630	20	16	30	63	20	—
	SML-825MVW	Yellow Green	80	30	100*2	5	−40 to +85	−40 to +100	2.1	20	100	5	572	20	40	63	100	20	—
		Red	80	30	100*2	5	−40 to +85	−40 to +100	2.0	20	100	5	630	20	40	63	100	20	—

*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Duty≤1/20, 1ms *4 Duty≤1/5, 1kHz *5 Duty1/10, pulse width 10ms Max
*Brightness for white color is noted with chromaticity coordinate (x, y).

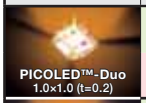
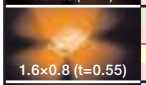
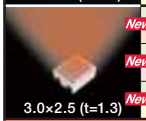
(YES): Planning ( ): Reference ☆: Under Development

SMD LEDs

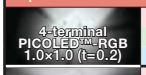
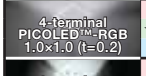
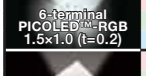
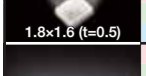
〈Surface Mount Circular type〉

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	V_F I_F (mA)	Reverse Current I_R Max (μA)	I_R V_R (V)	Dominant Wavelength λ_D Typ (nm)	λ_D I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_V I_F (mA)	
 1.6×0.8 (t=1.24)	CSL0901VT	Red	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	630	20	112	180	355	20	YES
	CSL0901UT	Red	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	620	20	140	280	450	20	YES
	CSL0901DT	Orange	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	605	20	224	400	710	20	YES
	CSL0901YT	Yellow	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	590	20	180	320	560	20	YES
	CSL0901WT	Yellow	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	587	20	180	280	560	20	YES
	CSL0901MT	Yellow Green	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	571	20	56	100	180	20	YES
	CSL0901PT	Green	62.5	25	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	560	20	14	30	45	20	YES
	CSL0902ET	Green	95	25	100*2	5	−40 to +100	−40 to +100	3.4	20	10	5	527	20	710	1,100	1,800	20	YES
	CSL0902BT	Blue	95	25	100*2	5	−40 to +100	−40 to +100	3.3	20	10	5	470	20	220	360	560	20	YES
	New CSL0901ET	Green	70	20	100*2	5	−40 to +100	−40 to +100	3	5	10	5	527	5	220	360	560	5	YES
	New CSL0901BT	Blue	68	20	100*2	5	−40 to +100	−40 to +100	2.9	5	10	5	470	5	36	56	90	5	YES
	New CSL0902VT	Red	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	630	20	140	250	450	20	YES
	New CSL0902UT	Red	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	620	20	180	350	560	20	YES
	New CSL0902DT	Orange	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	605	20	355	560	1,120	20	YES
	New CSL0902YT	Yellow	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	590	20	280	500	900	20	YES
	New CSL0902WT	Yellow	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	587	20	224	400	710	20	YES
	New CSL0902MT	Yellow Green	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	571	20	90	150	280	20	YES
	New CSL0902PT	Green	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	560	20	28	45	90	20	YES
	☆CSL0903VT	Red	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	(630)	20	(355)	(700)	(900)	20	(YES)
	☆CSL0903UT	Red	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	(620)	20	(560)	(1,000)	(1,400)	20	(YES)
	☆CSL0903DT	Orange	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	(605)	20	(710)	(1,200)	(1,800)	20	(YES)
	☆CSL0903YT	Yellow	87	35	100*2	12	−40 to +100	−40 to +100	2.1	20	10	12	(590)	20	(560)	(800)	(1,400)	20	(YES)
 Reverse Mount Available 3.2×1.6 (t=1.85)	SML-S13VT	Red	75	30	100*2	5	−40 to +85	−40 to +100	1.9	20	10	5	630	20	160	450	630	20	—
	SML-S13UT	Red	75	30	100*2	5	−40 to +85	−40 to +100	1.9	20	10	5	620	20	400	700	1,600	20	—
	SML-S13DT	Orange	75	30	100*2	5	−40 to +85	−40 to +100	1.9	20	10	5	605	20	630	1,400	2,500	20	—
	SML-S13YT	Yellow	78	30	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	590	20	630	1,400	2,500	20	—
	SML-S13MT	Yellow Green	78	30	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	572	20	160	400	630	20	—
	SML-S13PT	Green	78	30	100*2	5	−40 to +85	−40 to +100	2.0	20	10	5	560	20	63	160	400	20	—
	SMLS14EET	Green	117	30	100*2	5	−40 to +85	−40 to +100	3.3	20	10	5	527	20	1,800	3,000	4,500	20	—
	SMLS14BET	Blue	117	30	100*2	5	−40 to +85	−40 to +100	3.2	20	10	5	470	20	450	800	1,400	20	—
 2.9×2.4 (t=3.1)	CSL0701UT	Red	120	50	150*2	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	9,000	18,000	25,000	20	—
	CSL0701DT	Orange	120	50	150*2	5	−40 to +85	−40 to +100	2.1	20	10	5	605	20	20,000	35,000	50,000	20	—

〈2 Colors type〉

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	V_F I_F (mA)	Reverse Current I_R Max (μA)	I_R V_R (V)	Dominant Wavelength λ_D Typ (nm)	λ_D I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_V I_F (mA)	
 PICOLED™-Duo 1.0×1.0 (t=0.2)	SML-P24MUW (R)	Yellow Green	54	20	100*2	5	−40 to+85	−40 to+100	2.2	20	10	5	572	20	10	21	40	20	—
		Red	52	20	100*2	5	−40 to+85	−40 to+100	2.1	20	10	5	620	20	25	52	100	20	—
 1.6×0.8 (t=0.55)	SML-D22MUW	Yellow Green	67	25	100*2	5	−40 to +105	−40 to +110	2.0	5	10	5	570	5	6	10	16	5	—
		Red	65	25	100*2	5	−40 to +105	−40 to +110	1.9	5	10	5	620	5	10	16	25	5	—
	SML-D22YVW	Yellow	67	25	100*2	5	−40 to +105	−40 to +110	2.0	5	10	5	588	5	16	25	40	5	—
		Red	65	25	100*2	5	−40 to +105	−40 to +110	1.9	5	10	5	629	5	10	16	25	5	—
 1.3×1.5 (t=0.6)	SML522BU1W	Blue	66	20	60*2	5	−40 to+85	−40 to+100	2.9	5	10	5	470	5	9	22	36	5	—
		Red	50	20	60*2	5	−40 to+85	−40 to+100	1.9	5	10	5	624	5	10	21	40	5	—
	SML-522MUW	Yellow Green	52	20	60*2	4	−30 to+85	−40 to+85	2.1	20	100	4	570	20	14	40	71	20	—
		Red	50	20	60*2	4	−30 to+85	−40 to+85	1.9	20	100	4	630	20	22	63	110	20	—
	SML-522MU8W	Yellow Green	54	20	100*2	4	−40 to+85	−40 to+100	2.2	20	100	4	572	20	16	40	63	20	—
		Red	54	20	100*2	4	−40 to+85	−40 to+100	2.2	20	100	4	620	20	25	63	100	20	—
	SML-522MD8W	Yellow Green	54	20	100*2	4	−40 to+85	−40 to+100	2.2	20	100	4	572	20	10	25	40	20	—
		Orange	54	20	100*2	4	−40 to+85	−40 to+100	2.2	20	100	4	605	20	40	100	160	20	—
	SML-522MY8W	Yellow Green	54	20	100*2	4	−40 to+85	−40 to+100	2.2	20	100	4	572	20	16	40	63	20	—
		Yellow	54	20	100*2	4	−40 to+85	−40 to+100	2.2	20	100	4	590	20	40	63	160	20	—
 3.0×2.5 (t=1.3)	New SML-020MDT	Yellow Green	60	25	60*1	4	−30 to+85	−40 to+85	2.2	20	100	4	570*10	20	9	20	45	20	—
		Orange	60	25	60*1	4	−30 to+85	−40 to+85	2	20	100	4	610*10	20	6	10	18	20	—
	New SML-020MVT	Yellow Green	60	25	60*1	4	−30 to+85	−40 to+85	2.2	20	100	4	570*10	20	9	20	45	20	—
		Red	60	25	60*1	4	−30 to+85	−40 to+85	2	20	100	4	650*10	20	4	6	11	20	—
	New SML-020MYT	Yellow Green	60	25	60*1	4	−30 to+85	−40 to+85	2.2	20	100	4	570*10	20	9	21	45	20	—
		Yellow	60	25	60*1	4	−30 to+85	−40 to+85	2.1	20	100	4	585*10	20	6	10	18	20	—

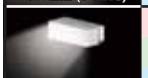
〈3 Colors type〉

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)										Automotive Grade AEC-Q101/ AEC-Q102
			Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	V_F I_F (mA)	Reverse Current I_R Max (μA)	I_R V_R (V)	Dominant Wavelength λ_D Typ (nm)	λ_D I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_V I_F (mA)	
 4-terminal PICOLED™-RGB 1.0×1.0 (t=0.2)	SMLP34RGB2W	Red	35	10	50*3	5	−40 to +85	−40 to +100	2.1	5	10	5	624	5	14	35	56	5	—
		Green	35	10	50*3	5	−40 to +85	−40 to +100	3.1	5	10	5	527	5	56	110	220	5	—
		Blue	35	10	50*3	5	−40 to +85	−40 to +100	3.0	5	10	5	470	5	28	45	110	5	—
 4-terminal PICOLED™-RGB 1.0×1.0 (t=0.2)	☆SMLP34RGBN1W	Red	35	10	50*3	5	−40 to +85	−40 to+100	2.1	5	10	5	624	5	36	80	140	5	—
		Green	35	10	50*3	5	−40 to+85	−40 to+100	3.1	5	10	5	527	5	140	220	360	5	—
		Blue	35	10	50*3	5	−40 to+85	−40 to+100	3	5	10	5	470	5	36	60	140	5	—
 6-terminal PICOLED™-RGB 1.5×1.0 (t=0.2)	SMLP36RGB2W (R)	Red	26	10	50*3	5	−40 to +85	−40 to +100	2.1	5	10	5	624	5	14	35	56	5	—
		Green	26	10	50*3	5	−40 to +85	−40 to +100	3.1	5	10	5	527	5	56	110	220	5	—
		Blue	26	10	50*3	5	−40 to +85	−40 to +100	3.0	5	10	5	470	5	14	35	56	5	—
 1.8×1.6 (t=0.5)	MSL0402RGBU*9	Red	180*6*7	30	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	220	400	560	20	YES
		Green	180*6*7	30	100	5	−40 to +85	−40 to +100	3.5	20	100	5	527	20	360	550	900	20	YES
		Blue	180*6*7	30	100	5	−40 to +85	−40 to +100	3.3	20	100	5	470	20	90	180	360	20	YES
 3.5×2.8 (t=0.6)	SMLVN6RGB1U*9	Red	400*6*7	50	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	450	700	1,100	20	YES
		Green	400*6*7	40	100	—	−40 to +85	−40 to +100	3.3	20	—	—	527	20	710	1,200	1,800	20	YES
		Blue	400*6*7	40	100	—	−40 to +85	−40 to +100	3.3	20	—	—	470	20	220	400	560	20	YES
	SMLVN6RGB1W*8	Red	400*6*7	50	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	450	700	1,100	20	—
		Green	400*6*7	40	100	—	−40 to +85	−40 to +100	3.3	20	—	—	527	20	710	1,200	1,800	20	—
		Blue	400*6*7	40	100	—	−40 to +85	−40 to +100	3.3	20	—	—	470	20	220	400	560	20	—
	SMLVN6RGB7W	Red	180*6*7	30	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	280	500	900	20	—
		Green	180*6*7	30	100	—	−40 to +85	−40 to +100	3.5	20	—	—	527	20	560	1,000	1,800	20	—
		Blue	180*6*7	30	100	—	−40 to +85	−40 to +100	3.3	20	—	—	470	20	140	300	560	20	—

*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Duty≤1/20, 1ms *4 Duty≤1/5, 1kHz *5 Duty1/10, pulse width 10ms Max
(YES): Planning ( ): Reference ☆: Under Development
*6 Total power dissipation in case of lighting three colors. (when lighting three colors, it will be recuced down to 30% of it.)
*7 50mm×50mm, Substrate: FR4: t=1.6mm Cu foil: t=0.07mm
*8 Epoxy resin *9 Silicon resin *10 Peak wavelength
Note: "PICOLED™" is a pending trademarks of ROHM Co., Ltd.

SMD LEDs

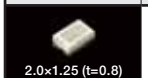
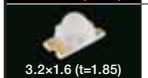
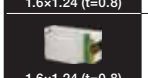
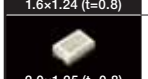
⟨3 Colors type⟩

Package (mm)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λ_D Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
 3 Colors Side View type 6.9×2.2 (t=2.15)		Red	400*5 *7	50	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	450	700	1,100	20	YES
	MSL0104RGBU*9	Green	400*5 *7	40	100	—	−40 to +85	−40 to +100	3.3	20	—	—	527	20	710	1,200	1,800	20	YES
		Blue	400*5 *7	40	100	—	−40 to +85	−40 to +100	3.2	20	—	—	470	20	220	400	560	20	YES
		Red	400*6 *7	50	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	450	700	1,100	20	—
	MSL0104RGBW*8	Green	400*5 *7	40	100	—	−40 to +85	−40 to +100	3.3	20	—	—	527	20	710	1,200	1,800	20	—
		Blue	400*6 *7	40	100	—	−40 to +85	−40 to +100	3.2	20	—	—	470	20	220	400	560	20	—
 2.9×1.35 (t=1.0)		Red	300*6 *7	40	100	5	−40 to +85	−40 to +100	2.1	20	10	5	624	20	600	700	830	20	—
	MSL0601RGBU	Green	300*6 *7	30	100	5	−40 to +85	−40 to +100	3.3	20	10	5	527	20	1,100	1,250	1,500	20	—
		Blue	300*6 *7	30	100	5	−40 to +85	−40 to +100	3.2	20	10	5	470	20	290	360	500	20	—

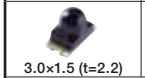
*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Duty≤1/20, 1ms *4 Duty≤1/5, 1kHz *5 Duty1/10, pulse width 10ms Max
*6 Total power dissipation in case of lighting three colors. (when lighting three colors, it will be recuced down to 30% of it.)
*7 50mm×50mm, Substrate: FR4: t=1.6mm Cu foil: t=0.07mm
*8 Epoxy resin *9 Silicon resin *10 Peak wavelength
Note: "PICOLED™" is a pending trademarks of ROHM Co., Ltd.

(YES): Planning ( ): Reference ☆: Under Development

⟨Surface Mount type Infrared LEDs⟩

Package (mm)	Part No.	LED Chip	Emitting Color	Absolute Maximum Rating (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Typ (μA)	V_R (V)	Light Wavelength λ_P Typ (nm)	I_F (mA)	Radiant Intensity Min (mW/sr)	Typ (mW/sr)	Max (mW/sr)	I_F (mA)
 2.0×1.25 (t=0.8)	SML-M13RT	AlGaAs	Infrared	60	30	100*1	5	−40 to +85	−40 to +100	1.4	20	10	5	870	20	0.5	1.7	3.5	20
 3.2×1.6 (t=1.85)	SML-S13RT	AlGaAs	Infrared	60	30	300*1	5	−40 to +85	−40 to +100	1.4	20	10	5	850	20	1.5	2.5	3.6	20
 Reverse Mount Available 3.2×1.6 (t=1.85)	New SML-S15R2T	AlGaAs	Infrared	100	50	300*1	5	−40 to +85	−40 to +100	1.4	20	10	5	870	20	5.6	12	22	20
 3.0×1.5 (t=2.2)	SCM-013RT	AlGaAs	Infrared	57	30	300*1	5	−40 to +85	−40 to +100	1.4	20	10	5	850	20	0.5	2.0	5.0	20
 1.6×0.8 (t=1.24)	☆CSL0901R2T	AlGaAs	Infrared	(60)	(30)	(100)*1	(5)	(−40 to +85)	(−40 to +100)	(1.4)	20	(10)	5	(870)	20	(1.4)	(2.8)	(5.6)	20
 1.6×0.8 (t=1.24)	☆CSL1001R2W	AlGaAs	Infrared	(60)	(30)	(100)*1	(5)	(−40 to +85)	(−40 to +100)	(1.4)	20	(10)	5	(870)	20	(0.56)	(1.1)	(2.2)	20
 1.6×1.24 (t=0.8)	☆CSL1201R2T	AlGaAs	Infrared	(60)	(30)	(100)*1	(5)	(−40 to +85)	(−40 to +100)	(1.4)	20	(10)	5	(870)	20	(1.4)	(2.8)	(5.6)	20
 1.6×1.24 (t=0.8)	☆CSL1301R2W	AlGaAs	Infrared	(60)	(30)	(100)*1	(5)	(−40 to +85)	(−40 to +100)	(1.4)	20	(10)	5	(870)	20	(0.56)	(1.1)	(2.2)	20
 2.0×1.25 (t=0.8)	☆SML-M15R2T	AlGaAs	Infrared	(60)	(30)	(100)*1	(5)	(−40 to +85)	(−40 to +100)	(1.4)	20	(10)	5	(870)	20	(1.5)	(2.5)	(3.5)	20

⟨Surface Mount photo transistor⟩

Package (mm)	Part No.	LED Chip	Absolute Maximum Ratings (T_a=25°C) Collector-Emitter Voltage (V)	Emitter-Collector Voltage (V)	Collector Current (mA)	Collector Power Dissipation (mW)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Light Current Min (mA)	Max (mA)	V_{CE} (V) / I_E (Lx)	Dark Current Max (μA)	V_{CE} (V)	Sensitivity Wavelength λ_P Typ (nm)	Collector-Emitter Saturation Voltage Min (V)	Typ (V)	Max (V)	I_C (mA) / I_E (Lx)
 2.0×1.25 (t=0.8)	SML-H10TB	Si	32	5	30	80	−30 to +85	−30 to +100	2.0	4.0	5/ 500	0.5	10	800	—	—	0.4	0.1/ 500
 3.0×1.5 (t=2.2)	SCM-014TB	Si	32	5	30	100	−30 to +85	−30 to +100	0.3	3.8	5/ 500	0.5	10	800	—	—	0.4	0.1/ 500
 Reverse Mount Available 3.4×1.25 (t=1.1)	SML-810TB	Si	32	5	30	80	−30 to +85	−30 to +100	2.3	3.8	5/ 500	0.5	10	800	—	—	0.4	0.1/ 500
 1.6×0.8 (t=1.24)	☆CSL1001TB	Si	(30)	(5)	(20)	(75)	(−40 to +85)	(−40 to +100)	(1.0)	(4.0)	5/ 500	(0.5)	10	(800)	—	—	(0.4)	0.1/ 500
 1.6×1.24 (t=0.8)	☆CSL1301TB	Si	(30)	(5)	(20)	(75)	(−40 to +85)	(−40 to +100)	(1.0)	(4.0)	5/ 500	(0.5)	10	(800)	—	—	(0.4)	0.1/ 500

*1 Duty1/10, 1kHz

( ): Reference ☆: Under Development

●Product No. Configuration

〈Chip LEDs〉

[SML series/SCM series]

■Exclude Mono-color (Blue (B), Green (E), White (WB) and RGB)

Chip control symbol | Remarks | Special control symbol

S M L – D 1 2 V □ 8 □ W T 8 6 □ □ □

Series name | Package shape | Type of Element | Color | Resin color | Packaging type | Brightness rank

SML	chip LED series

P1	1.0×0.6 t=0.2mm	
E1	1.6×0.8 t=0.36mm	
D1/D2	1.6×0.8 t=0.55mm	
H1	2.0×1.25 t=0.8mm	
M1	2.0×1.25 t=0.8mm	
01/02	3.0×2.0 t=1.3mm	
Z1/Y1	3.5×2.8 t=1.9mm	
A1	1.6×1.15 t=0.55mm	
81/82	3.4×1.25 t=1.1mm	
S1	3.2×1.6 t=1.85mm	
P2	1.0×1.0 t=0.2mm	
52	1.5×1.3 t=0.6mm	
0	Low current type	
1		
2	High brightness type	
3		
4	Ultra high brightness type	
5		
8		
V	Red	
U	Red	
U2	Red	
D	Orange	
Y3	Yellow	
Y	Yellow	
W	Yellow	
Y2	Yellow	
M2	Yellow green	
M	Yellow green	
F	Green	
P	Green	
MV	Yellow green/Red	
MU	Yellow green/Red	
MD	Yellow green/Orange	
MY	Yellow green/Yellow	
YV	Yellow/Red	
R	Infrared	
T	Phototransistor	
T	Transparent colorless	
W	Milky white	
B	Black	
T86	Cathode at sproket hole side (the top)	

〈in case of S1 series〉

T86	Cathode at sproket hole side (the back)
T68	Cathode at sproket hole side (the top)

Refer to specification

SCM	chip LED series

01	3.0×1.5 t=2.2mm

[SML series/SCM series]

■Mono-color (Blue (B), Green (E), White (WB) and RGB)

Chromaticity rank (for PB/SB/E2/E3/white/RGB LED) or Wavelength rank (SMLD12E2/D12E3 only)
*SMLP34RGB2W, SMLP36RGB2W (R) is not applied.

Chip control symbol | Remarks | Special control symbol

S M L E N 3 W B C 8 □ W 1 □ □ □ □ □

Series name | Package shape | Type of Element | Color | Resin color | Packaging type | Brightness rank

SML	chip LED series
SCM	chip LED series

P1	1.0×0.6 t=0.2mm
E1/EN	1.6×0.8 t=0.36mm
D1	1.6×0.8 t=0.55mm
MN/M2	2.0×1.25 t=0.8mm
Z1/Z2/ZN	3.5×2.8 t=1.9mm
A1	1.6×1.15 t=0.55mm
81	3.4×1.25 t=1.1mm
S1	3.2×1.6 t=1.85mm
52	1.5×1.3 t=0.6mm
P34	1.0×1.0 t=0.2mm
P36	1.5×1.0 t=0.2mm
VN	3.5×2.8 t=0.6mm
01	3.0×2.0 t=1.3mm
K1/K2	4.5×2.0 t=0.6mm
2	High brightness type
3	
4	Ultra high brightness type
6	
8	
E	Green
E2/E3	Blue Green
B	Blue
PB	Green
SB	Sapphire blue
WB	White
BU	Blue/Red
RGB	Red/Green/Blue

Resin color

T	Transparent Colorless
W	Milky white

Resin (in case of VN6 series)

U	Silicone
W	Epoxy

T86	Cathode at sproket hole side (the top)

〈in case of white, RGB〉

1	Cathode at sproket hole side (the top)
3	Cathode at sproket hole side (the top 2mm pitch)

〈in case of S1 and 81 series〉

T86	Cathode at sproket hole side (the back)
T68	Cathode at sproket hole side (the top)

*81 series is nothing "T68".

Refer to specification

[CSL series]

Chip control symbol | Remarks | Chromaticity rank (for white LED) | Special control symbol

C S L 0 7 0 1 D □ □ □ T 5 □ □ □ □ □

Series name | Package shape | Color | Resin color | Packaging type | Brightness rank

CSL	chip LED series

04	2.8×1.15 t=0.8mm
07	2.9×2.4 t=3.1mm
09	1.6×0.8 t=1.24mm
10	1.6×0.8 t=1.24mm
11	1.6×0.8 t=0.55mm
V	Red
U	Red
D	Orange
Y	Yellow
W	Yellow
M	Yellow green
P	Green
E	Green
B	Blue
WB	White
SB	Sapphire blue
T	Transparent Colorless
W	Milky white
1	Cathode at sproket hole side (the top)
5	Cathode at sproket hole side (big reel)

Refer to specification

[MSL series]

Chip control symbol | Remarks | Chromaticity rank (for RGB LED) *MSL0601RGBU is not applied. | Special control symbol

M S L 0 1 0 4 R G B □ U 1 □ □ □ □ □ □

Series name | Package shape | Color | Resin color | Packaging type | Brightness rank

MSL	Multi color series

01	6.9×2.2 t=2.15mm
04	1.8×1.6 t=0.5mm
05	3.5×2.8 t=0.6mm
06	2.9×1.35 t=1.0mm
RGB	Red/Green/Blue
U	Silicone
W	Epoxy
1	Cathode at sproket hole side (the top)

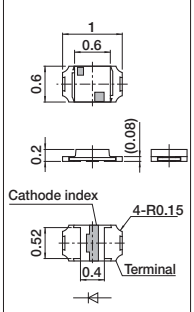
Refer to specification

SMD LEDs

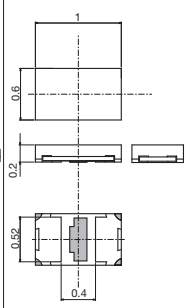
●Dimensions (Unit: mm)

⟨Mold type⟩

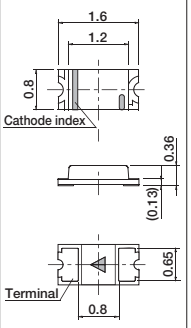
● SML-P1 series (PICOLED™)



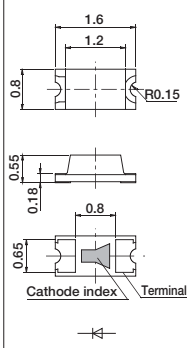
● SMLP14 series



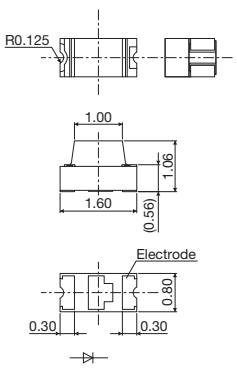
● SML-E1/EN series



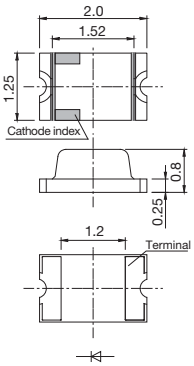
● SML-D1 series



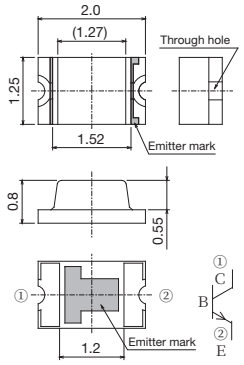
● CSL10 series



● SML-H1 series



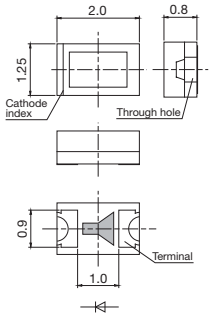
● SML-H10TB



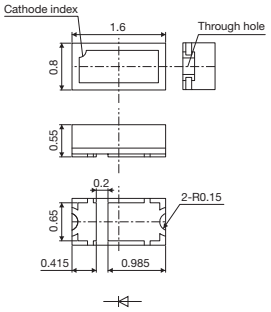
"PICOLED™" is a pending trademarks of ROHM Co., Ltd.

⟨Reflector type⟩

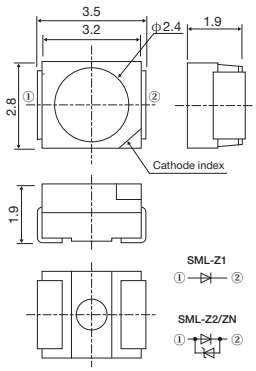
● SML-M1/MN series



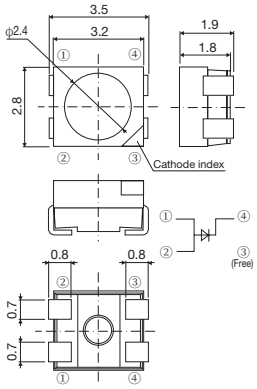
● CSL11 series☆



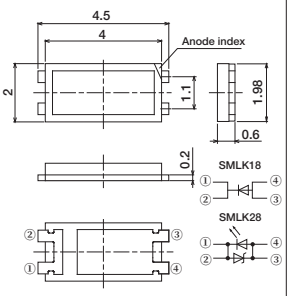
● SML-Z1/Z2/ZN series



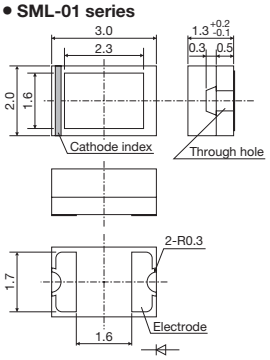
● SML-Y1 series☆



● SMLK1/K2 series

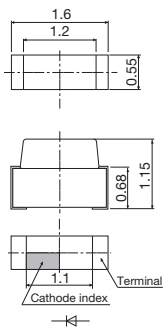


● SML-01 series

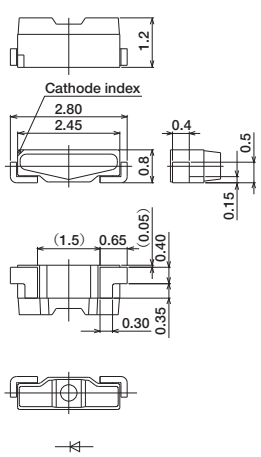


⟨Side View type⟩

● SML-A1 series

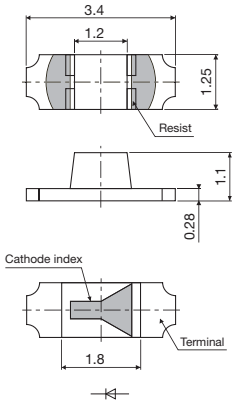


● CSL04 series

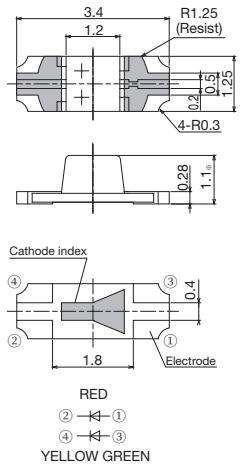


⟨Reverse Mount type⟩

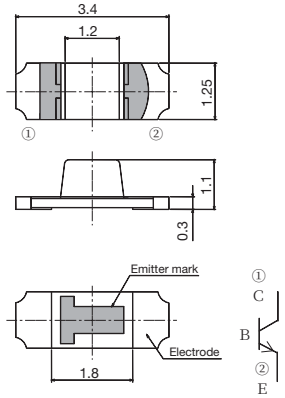
● SML-81 series



● SML-82 series



● SML-810TB

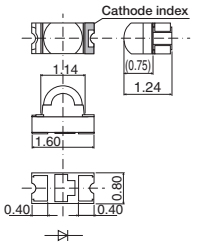


*For further information, please refer to the data sheets.

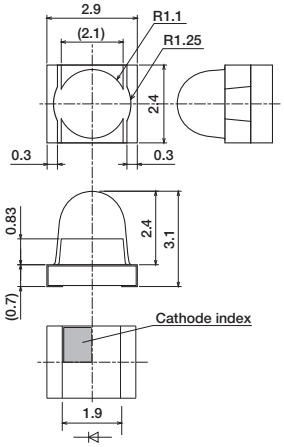
☆: Under Development

⟨Surface Mount Lens type⟩

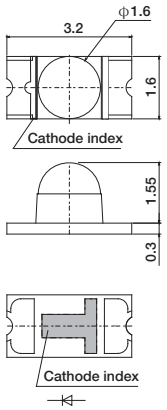
● CSL09 series



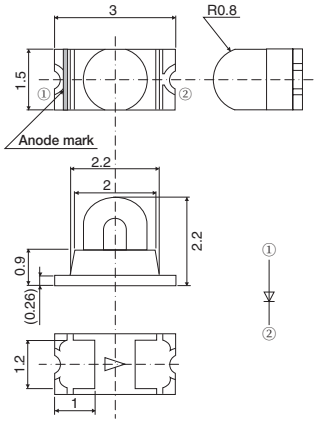
● CSL07 series



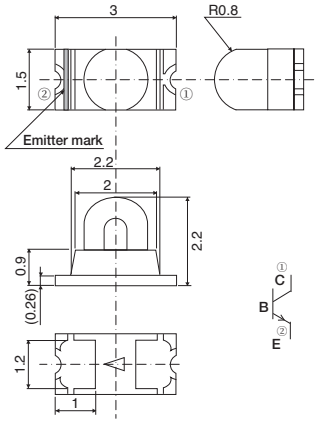
● SML-S1 series



● SCM-013RT

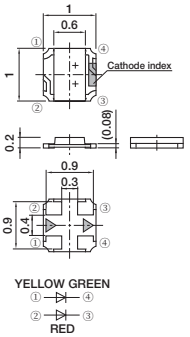


● SCM-014TB

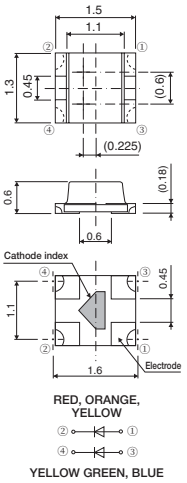


⟨2 Color type⟩

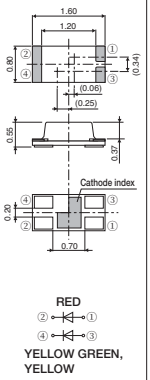
● SMLP2 series



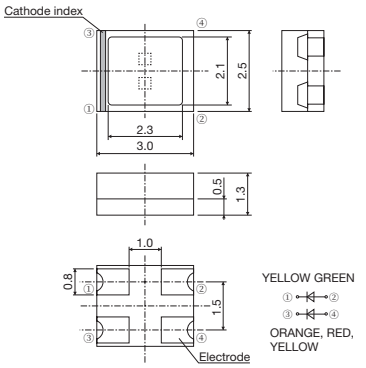
● SML-52 series



● SML-D2 series

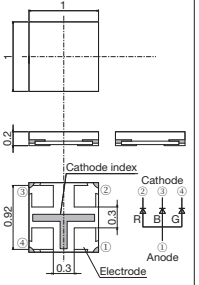


● SML-02MDT series

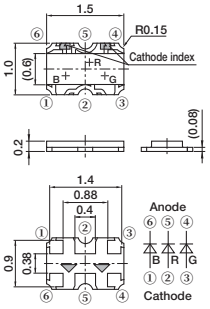


⟨3 Color type⟩

● SMLP34 series

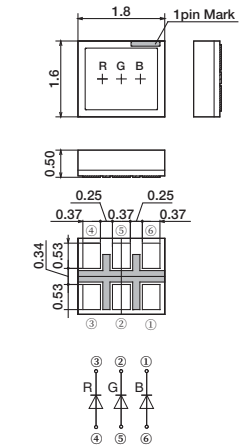


● SMLP36 series

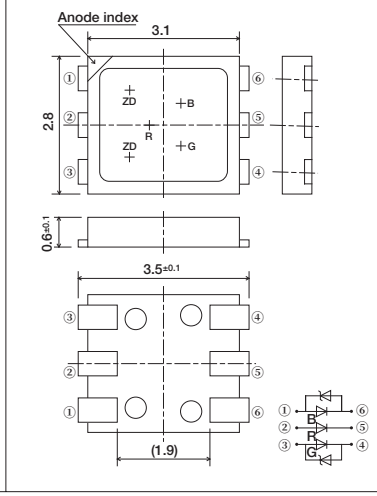


⟨3 Color type⟩

● MSL04 series

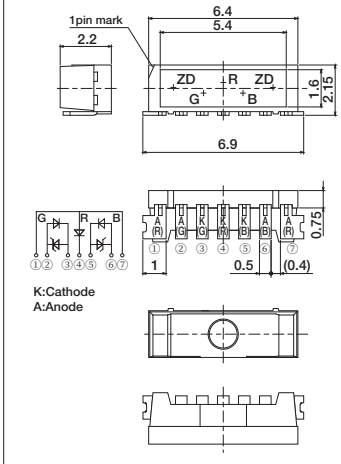


● SMLVN6 series

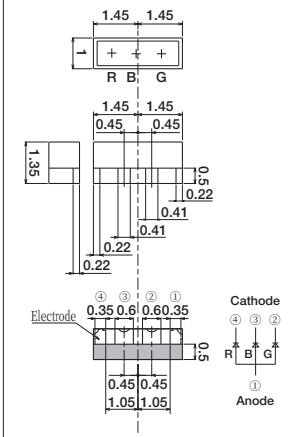


⟨3 Color Side View type⟩

● MSL01 series



● MSL06 series



*For further information, please refer to the data sheets.

Through-hole LEDs

ROHM offers a wide variety of through-hole LEDs, including lamps that can be automatically mounted onto the PCB as well as high brightness units suitable for public outdoor displays.

Red (V, U) Quick Reference of Brightness

<High Brightness Rank Table1>

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

<High Brightness Rank Table2>

XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
9.0 to 16.5	13.5 to 24	20 to 36	30 to 52	42 to 75	61 to 110	90 to 165	135 to 240	200 to 360	300 to 520	420 to 750	600 to 1100	900 to 1650	1350 to 2400	2000 to 3600	3000 to 5200	4200 to 7500	6100 to 11000	9000 to 16500

	Viewing angle (2θ1/2)	Resin Color	Brightness Rank / Brightness (mcd) / I_F (mA)	K 3.6 to 7.1	L 5.6 to 11	M 9 to 18	N 14 to 28	P 22 to 45	Q 36 to 71	R 56 to 110	S 90 to 180	T 140 to 280	U 220 to 450	V 360 to 710
φ3 Circular type	40°	Transparent Colored	20								*SLI-343URC	SLI-343V8RC*1	SLI-343U8RC*1	
			10			*SLR-343VC			*SLI-343URC (W)					
		Diffused Colored	20								*SLI-343UR	SLI-343V8R*1	SLI-343U8R*1	
			10		*SLR-343VR				*SLI-343UR (W)					
	85°	Transparent Colored	10	*SLR-332VC										
		Diffused Colored		*SLR-332VR										
φ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored	20						*SLI-325URC (W)					
			10		*SLR-325VC									
		Diffused Colored	20						*SLI-325UR (W)					
			10	*SLR-325VR										
φ3 Flat disc type	35°	Transparent Colored	10		*SLR-322VC									
	50°	Diffused Colored		*SLR-322VR										
φ4 Oval type	140°	Diffused Colored	20									SLI-430U2R*1		
φ5 Circular type	10°	Transparent Colorless	20											*SLI-580UT*2
	20°													SLI-570U2T*2
													*SLI-570UT*2	
	40°	Transparent Colored	10			*SLR-56VC						*SLI-560UT*2		
		Diffused Colored		*SLR-56VR										

Orange (D) Quick Reference of Brightness

<High Brightness Rank Table1>

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

<High Brightness Rank Table2>

XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
9.0 to 16.5	13.5 to 24	20 to 36	30 to 52	42 to 75	61 to 110	90 to 165	135 to 240	200 to 360	300 to 520	420 to 750	600 to 1100	900 to 1650	1350 to 2400	2000 to 3600	3000 to 5200	4200 to 7500	6100 to 11000	9000 to 16500

	Viewing angle (2θ1/2)	Resin Color	Brightness Rank / Brightness (mcd) / I_F (mA)	J 2.2 to 4.5	K 3.6 to 7.1	L 5.6 to 11	M 9 to 18	N 14 to 28	P 22 to 45	Q 36 to 71	R 56 to 110	S 90 to 180	T 140 to 280	U 220 to 450	V 360 to 710
φ3 Circular type	40°	Transparent Colored	20									*SLI-343DC		SLI-343D8C*1	
			10				*SLR-343DC				*SLI-343DC (W)				
		Diffused Colored	20									*SLI-343DU		SLI-343D8U*1	
			10			*SLR-343DU					*SLI-343DU (W)				
	85°	Transparent Colored	10			*SLR-332DC									
		Diffused Colored			*SLR-332DU										
φ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored	20							*SLI-325DC (W)					
			10			*SLR-325DC									
		Diffused Colored	20							*SLI-325DU (W)					
			10		*SLR-325DU										
φ3 Flat disc type	35°	Transparent Colored	10			*SLR-322DC									
	50°	Diffused Colored		*SLR-322DU											
φ4 Oval type	140°	Diffused Colored	20										SLI-430DU*1		
φ5 Circular type	10°	Transparent Colorless	20												*SLI-580DT*2
	20°													*SLI-570DT*2	
	40°												*SLI-560DT*2		
		Transparent Colored	10				*SLR-56DC								
		Diffused Colored			*SLR-56DU										

Yellow (Y) Quick Reference of Brightness

<High Brightness Rank Table1>

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

<High Brightness Rank Table2>

XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
9.0 to 16.5	13.5 to 24	20 to 36	30 to 52	42 to 75	61 to 110	90 to 165	135 to 240	200 to 360	300 to 520	420 to 750	600 to 1100	900 to 1650	1350 to 2400	2000 to 3600	3000 to 5200	4200 to 7500	6100 to 11000	9000 to 16500

	Viewing angle (2θ1/2)	Resin Color	Brightness Rank / Brightness (mcd) / I_F (mA)	J 2.2 to 4.5	K 3.6 to 7.1	L 5.6 to 11	M 9 to 18	N 14 to 28	P 22 to 45	Q 36 to 71	R 56 to 110	S 90 to 180	T 140 to 280	U 220 to 450	V 360 to 710
φ3 Circular type	40°	Transparent Colored	20									*SLI-343YC		SLI-343Y8C*1	
			10				*SLR-343YC			*SLI-343YC (W)					
		Diffused Colored	20									*SLI-343YY		SLI-343Y8Y*1	
			10			*SLR-343YY				*SLI-343YY (W)					
	85°	Transparent Colored	10			*SLR-332YC									
		Diffused Colored			*SLR-332YY										
φ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored	20							*SLI-325YC (W)					
			10			*SLR-325YC									
		Diffused Colored	20							*SLI-325YY (W)					
			10		*SLR-325YY										
φ3 Flat disc type	35°	Transparent Colored	10			*SLR-322YC									
	50°	Diffused Colored				*SLR-322YY									
φ4 Oval type	140°	Diffused Colored	20										SLI-430Y2U*1		
φ5 Circular type	10°	Transparent Colorless	20												*SLI-580YT*2
	20°														SLI-570Y2T*2
														*SLI-570YT*2	
	40°												*SLI-560YT*2		
		Transparent Colored	10					*SLR-56YC							
		Diffused Colored				*SLR-56YY									

*Brightness on specification sheet include tolerance of within ±10%. *1 This product refer to high brightness rank table1. *2 This product refer to high brightness rank table2.

Green (M, P, E) Quick Reference of Brightness

<High Brightness Rank Table1>

XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
10 to 15	15 to 22	22 to 33	33 to 47	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

<High Brightness Rank Table2>

XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
9.0 to 16.5	13.5 to 24	20 to 36	30 to 52	42 to 75	61 to 110	90 to 165	135 to 240	200 to 360	300 to 520	420 to 750	600 to 1100	900 to 1650	1350 to 2400	2000 to 3600	3000 to 5200	4200 to 7500	6100 to 11000	9000 to 16500

	Viewing angle (2θ1/2)	Resin Color	Brightness Rank / Brightness (mcd) / I_F (mA)	J 2.2 to 4.5	K 3.6 to 7.1	L 5.6 to 11	M 9 to 18	N 14 to 28	P 22 to 45	Q 36 to 71	R 56 to 110	S 90 to 180	T 140 to 280	U 220 to 450	V 360 to 710
	40°	Transparent Colored	20								*SLI-343MC				
											SLI-343M8C*1				
						SLI-343P8C*1									
			10				*SLR-343MC								
				*SLR-343PC											
		Diffused Colored	20								*SLI-343MG				
											SLI-343M8G*1				
						SLI-343P8G*1									
			10			*SLR-343MG									
				*SLR-343PG											
		Transparent Colorless	20												
	85°	Diffused Colored	10			*SLR-332MC									
		Transparent Colored				*SLR-332MG									
ϕ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored	10				*SLR-325MC								
		Diffused Colored				*SLR-325MG									
ϕ3 Flat disc type	35°	Transparent Colored	10				*SLR-322MC								
	50°	Diffused Colored				*SLR-322MG									
ϕ4 Oval type	140°	Diffused Colored	20								SLI-430MG*1				
ϕ5 Circular type	10°	Transparent Colorless	20										*SLA-580MT*2		
	20°												*SLA-570MT*2		
	40°								*SLA-560MT*2						
		Transparent Colored	10					*SLR-56MC							
		Diffused Colored				*SLR-56MG									
	10°	Transparent Colorless	20											*SLA580EC4T*2	
															*SLA580ECT*2
	40°												*SLA560EC4T*2		
													*SLA560ECT*2		

Blue (B) Quick Reference of Brightness

<High Brightness Rank Table2>

XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
9.0 to 16.5	13.5 to 24	20 to 36	30 to 52	42 to 75	61 to 110	90 to 165	135 to 240	200 to 360	300 to 520	420 to 750	600 to 1100	900 to 1650	1350 to 2400	2000 to 3600	3000 to 5200	4200 to 7500	6100 to 11000	9000 to 16500

	Viewing angle (2θ1/2)	Resin Color	Brightness Rank / Brightness (mcd) / I_F (mA)	XH 150 to 220	XJ 220 to 330	XK 330 to 470	XL 470 to 680	XM 680 to 1000	XN 1000 to 1500	XP 1500 to 2200	XQ 2200 to 3300	XR 3300 to 4700	XS 4700 to 6800	XT 6800 to 10000	XU 10000 to 15000
ϕ3 Circular type	40°	Transparent Colorless	20		SLR343BC7T										
							SLR343BD2T								
					*SLR343BC4T*2										
					*SLR343BCT*2										
ϕ4 Oval type	140°	Milky White	20			SLD430BD2W									
ϕ5 Circular type	10°	Transparent Colorless	20					*SLA580BC4T*2							
									*SLA580BCT*2						
	40°								SLA560BD2T*2						
					*SLA560BC4T*2										
					*SLA560BCT*2										

White (WB) Quick Reference of Brightness

<High Brightness Rank Table2>

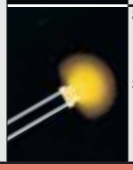
XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
9.0 to 16.5	13.5 to 24	20 to 36	30 to 52	42 to 75	61 to 110	90 to 165	135 to 240	200 to 360	300 to 520	420 to 750	600 to 1100	900 to 1650	1350 to 2400	2000 to 3600	3000 to 5200	4200 to 7500	6100 to 11000	9000 to 16500

	Viewing angle (2θ1/2)	Resin Color	Brightness Rank / Brightness (mcd) / I_F (mA)	XJ 220 to 330	XK 330 to 470	XL 470 to 680	XM 680 to 1000	XN 1000 to 1500	XP 1500 to 2200	XQ 2200 to 3300	XR 3300 to 4700	XS 4700 to 6800	XT 6800 to 10000	XU 10000 to 15000
ϕ3 Circular type	40°	Transparent Colorless	20		SLR343WBC7T									
									SLR343WBD2PT					
ϕ4 Oval type	140°	Milky White	20				SLD430WBD2PT							
ϕ5 Circular type	40°	Transparent Colorless	20						SLA560WBD2PT*2					

*Brightness on specification sheet include tolerance of within ±10%. *1 This product refer to high brightness rank table1. *2 This product refer to high brightness rank table2.

Through-hole LEDs

⟨ϕ3 type⟩

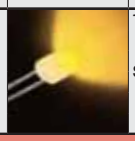
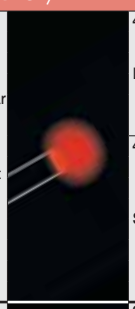
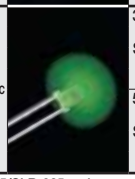
Shape	Package Image	Viewing Angle 2θ1/2 (Element type)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λd / Chromaticity Coordinates (x, y) Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
ϕ3 Circular type		40° Standard	SLI-343V8RC	Red	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	639	20	150	330	(680)	20	—
			SLI-343V8R	Red	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	639	20	100	220	(470)	20	—
			SLI-343U8RC	Red	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	630	20	150	330	(680)	20	—
			SLI-343U8R	Red	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	630	20	100	220	(470)	20	—
			SLI-343D8C	Orange	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	611	20	330	680	(1,500)	20	—
			SLI-343D8U	Orange	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	611	20	220	470	(1,000)	20	—
			SLI-343Y8C	Yellow	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	593	20	330	680	(1,500)	20	—
			SLI-343Y8Y	Yellow	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	593	20	220	470	(1,000)	20	—
			SLI-343M8C	Yellow Green	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	572	20	68	150	(330)	20	—
			SLI-343M8G	Yellow Green	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	572	20	68	150	(330)	20	—
			SLI-343P8C	Green	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	560	20	10	22	(47)	20	—
			SLI-343P8G	Green	54	20	100*2	9	−30 to +85	−40 to +100	2.2	20	10	9	560	20	10	22	(47)	20	—
		40° High Brightness	SLI-343URC	Red	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	630	20	90	450	(710)	20	—
			SLI-343UR	Red	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	630	20	90	350	(710)	20	—
			SLI-343DC	Orange	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	611	20	90	500	(710)	20	—
			SLI-343DU	Orange	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	611	20	90	350	(710)	20	—
			SLI-343YC	Yellow	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	591	20	90	350	(710)	20	—
			SLI-343YY	Yellow	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	591	20	90	300	(710)	20	—
			SLI-343MC	Yellow Green	62	25	100*2	9	−25 to +80	−30 to +100	2.1	20	100	9	572	20	56	200	—	20	—
			SLI-343MG	Yellow Green	62	25	100*2	9	−25 to +80	−30 to +100	2.1	20	100	9	572	20	56	180	—	20	—
			SLR343BC7T	Blue	105	25	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	470	20	220	470	(1,000)	20	—
			SLR343BD2T	Blue	126	30	100*2	5	−20 to +80	−30 to +100	3.2	20	10	5	470	20	470	1,000	(2,200)	20	—
			SLR343WBC7T	White	105	25	100*2	5	−20 to +80	−30 to +100	3.2	20	10	5	(x, y) (0.31, 0.31)	20	330	680	(1,500)	20	—
			SLR343WBD2PT	White	126	30	100*2	5	−20 to +80	−30 to +100	3.2	20	10	5	(x, y) (0.31, 0.31)	20	1,500	3,300	—	20	—
		40° Standard	SLR-343VC	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	9	25	(71)	10	—
			SLR-343VR	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	6	16	(45)	10	—
			SLR-343DC	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	9	25	(71)	10	—
			SLR-343DU	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	6	16	(45)	10	—
			SLR-343YC	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	6	16	(45)	10	—
			SLR-343YY	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	4	10	(28)	10	—
			SLR-343MC	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	9	25	(71)	10	—
			SLR-343MG	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	6	16	(45)	10	—
			SLR-343PC	Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	555	10	2	6	(18)	10	—
			SLR-343PG	Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	555	10	2	6	(18)	10	—
			SLR343ECT	Green	120	30	100*2	5	−20 to +80	−30 to +100	3.3	20	100	5	518	20	900	2,200	—	20	—
			SLR343EC4T	Green	120	30	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	523	20	420	1,500	—	20	—
			SLR343BCT	Blue	120	30	100*2	5	−20 to +80	−30 to +100	3.3	20	100	5	468	20	200	600	—	20	—
			SLR343BC4T	Blue	120	30	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	468	20	200	470	—	20	—
		40° Low Current	SLI-343URC (W)	Red	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	630	20	36	200	(280)	20	—
			SLI-343UR (W)	Red	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	630	20	36	160	(280)	20	—
			SLI-343DC (W)	Orange	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	611	20	56	300	(450)	20	—
			SLI-343DU (W)	Orange	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	611	20	56	250	(450)	20	—
			SLI-343YC (W)	Yellow	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	591	20	36	200	(280)	20	—
			SLI-343YY (W)	Yellow	125	50	200*2	9	−25 to +85	−30 to +100	1.9	20	100	9	591	20	36	160	(280)	20	—
		85° Standard	SLR-332VC	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	4	10	(28)	10	—
			SLR-332VR	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	4	10	(28)	10	—
			SLR-332DC	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	6	16	(45)	10	—
			SLR-332DU	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	4	10	(28)	10	—
			SLR-332YC	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	4	10	(28)	10	—
			SLR-332YY	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	2	6	(18)	10	—
			SLR-332MC	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	6	16	(45)	10	—
			SLR-332MG	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	6	16	(45)	10	—

⟨ϕ5 type⟩

Shape	Package Image	Viewing Angle 2θ1/2 (Element type)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λd / Chromaticity Coordinates (x, y) Typ* (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
ϕ5 Circular type		10° High Brightness	SLI-580UT	Red	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	630	20	2,000	5,000	(11,000)	20	—
			SLI-580DT	Orange	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	611	20	1,350	5,000	(7,500)	20	—
			SLI-580YT	Yellow	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	591	20	1,350	5,000	(7,500)	20	—
			SLA-580MT	Yellow Green	75	25	60*1	4	−25 to +85	−30 to +100	2.3	20	10	4	563	20	200	470	(1,100)	20	—
			SLA580ECT	Green	120	30	100*2	5	−20 to +80	−30 to +100	3.3	20	100	5	518	20	3,000	8,000	—	20	—
			SLA580EC4T	Green	120	30	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	523	20	2,000	4,500	—	20	—
			SLA580BCT	Blue	120	30	100*2	5	−20 to +80	−30 to +100	3.3	20	100	5	468	20	900	2,500	—	20	—
			SLA580BC4T	Blue	120	30	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	468	20	610	1,500	—	20	—
		20° High Brightness	SLI-570UT	Red	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	630	20	900	3,000	(5,200)	20	—
			SLI-570U2T	Red	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	630	20	2,200	4,000	(10,000)	20	—
			SLI-570DT	Orange	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	611	20	900	3,000	(5,200)	20	—
			SLI-570YT	Yellow	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	591	20	610	2,500	(3,600)	20	—
			SLI-570Y2T	Yellow	125	50	200*2	9	−30 to +85	−40 to +100	2.1	20	100	9	591	20	2,200	5,200	(10,000)	20	—
			SLA-570MT	Yellow Green	75	25	60*1	4	−25 to +85	−30 to +100	2.3	20	10	4	563	20	200	470	(1,100)	20	—
		40° High Brightness	SLI-560UT	Red	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	630	20	300	1,000	(1,650)	20	—
			SLI-560DT	Orange	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	611	20	300	1,000	(1,650)	20	—
			SLI-560YT	Yellow	125	50	200*2	9	−30 to +85	−40 to +100	1.9	20	100	9	591	20	300	1,000	(1,650)	20	—
			SLA-560MT	Yellow Green	75	25	60*1	4	−25 to +85	−30 to +100	2.3	20	10	4	563	20	42	100	(240)	20	—
			SLA560BD2T	Blue	126	30	100*2	5	−20 to +80	−30 to +100	3.2	20	10	5	470*3	20	1,000	2,200	(4,700)	20	—
			SLA560WBD2PT	White	126	30	100*2	5	−20 to +80	−30 to +100	3.2	20	10	5	(x, y) (0.31, 0.31)	20	1,500	3,300	(6,800)	20	—
		40° Standard	SLA560ECT	Green	120	30	100*2	5	−20 to +80	−30 to +100	3.3	20	100	5	518	20	610	2,000	—	20	—
			SLA560EC4T	Green	120	30	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	523	20	610	1,500	—	20	—
			SLA560BCT	Blue	120	30	100*2	5	−20 to +80	−30 to +100	3.3	20	100	5	468	20	200	600	—	20	—
			SLA560BC4T	Blue	120	30	100*2	5	−20 to +80	−30 to +100	3.2	20	100	5	468	20	200	470	—	20	—
			SLR-56VC	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	9	25	(71)	10	—
			SLR-56VR	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	4	10	(28)	10	—
			SLR-56DC	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	9	25	(71)	10	—
			SLR-56DU	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	4	10	(28)	10	—
			SLR-56YC	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	9	25	(71)	10	—
			SLR-56YY	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	6	16	(45)	10	—
			SLR-56MC	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	14	40	(110)	10	—
			SLR-56MG	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	6	16	(45)	10	—

*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Dominant Wavelength
*Brightness for white color is noted with chromaticity coordinate (x, y).

〈Oval type〉

Shape	Package Image	Viewing Angle 2θ1/2 (Element type)	Part No.	Emitting Color	Absolute Maximum Ratings (T_a=25°C) Power Dissipation P_D (mW)	Forward Current I_F (mA)	Peak Forward Current I_{FP} (mA)	Reverse Voltage V_R (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Electrical and Optical Characteristics (T_a=25°C) Forward Voltage V_F Typ (V)	I_F (mA)	Reverse Current I_R Max (μA)	V_R (V)	Dominant Wavelength λd/ Chromaticity Coordinates (x,y) Typ (nm)	I_F (mA)	Luminous Intensity I_V Min (mcd)	Typ (mcd)	Max (mcd)	I_F (mA)	Automotive Grade AEC-Q101/ AEC-Q102
Oval type ϕ4		140° Standard	SLI-430U2R	Red	75	30	100*2	9	−40 to +85	−40 to +100	2.0	20	10	9	620*3	20	220	400	(680)	20	—
			SLI-430DU	Orange	75	30	100*2	9	−40 to +85	−40 to +100	2.1	20	10	9	605*3	20	220	470	(680)	20	—
			SLI-430Y2U	Yellow	75	30	100*2	9	−40 to +85	−40 to +100	2.1	20	10	9	590*3	20	330	500	(900)	20	—
			SLI-430MG	Yellow Green	75	30	100*2	9	−40 to +85	−40 to +100	2.1	20	10	9	570*3	20	68	120	(220)	20	—
			SLD430BD2W	Blue	120	30	100*2	5	−40 to +85	−40 to +100	3.2	20	10	5	470*3	20	330	560	(1,000)	20	—
			SLD430WBD2PT	White	120	30	100*2	5	−40 to +85	−40 to +100	3.2	20	10	5	(x, y) (0.31, 0.31)	20	680	1,850	(3,300)	20	—
〈Other〉																					
ϕ3.2 Circular type Direct Mount 5mm Pitch type		40° Low Current	SLI-325URC (W)*1	Red	48	20	60*1	4	−25 to +85	−30 to +100	1.9	20	100	4	630	20	36	160	(280)	20	—
			SLI-325UR (W)*1	Red	48	20	60*1	4	−25 to +85	−30 to +100	1.9	20	100	4	630	20	36	100	(280)	20	—
			SLI-325DC (W)*1	Orange	48	20	60*1	4	−25 to +85	−30 to +100	1.9	20	100	4	611	20	36	160	(280)	20	—
			SLI-325DU (W)*1	Orange	48	20	60*1	4	−25 to +85	−30 to +100	1.9	20	100	4	611	20	36	100	(280)	20	—
			SLI-325YC (W)*1	Yellow	48	20	60*1	4	−25 to +85	−30 to +100	1.9	20	100	4	591	20	36	160	(280)	20	—
			SLI-325YY (W)*1	Yellow	48	20	60*1	4	−25 to +85	−30 to +100	1.9	20	100	4	591	20	36	100	(280)	20	—
		40° Standard	SLR-325VC*1	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	6	16	(45)	10	—
			SLR-325VR*1	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	4	10	(28)	10	—
			SLR-325DC*1	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	6	16	(45)	10	—
			SLR-325DU*1	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	4	10	(28)	10	—
			SLR-325YC*1	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	6	16	(45)	10	—
			SLR-325YY*1	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	2	6	(18)	10	—
			SLR-325MC*1	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	9	25	(71)	10	—
			SLR-325MG*1	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	6	16	(45)	10	—
ϕ3 Flat Disc type		35° Standard	SLR-322VC	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	6	16	(45)	10	—
			SLR-322DC	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	6	16	(45)	10	—
			SLR-322YC	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	4	10	(28)	10	—
			SLR-322MC	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	9	25	(71)	10	—
		50° Standard	SLR-322VR	Red	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	650	10	4	10	(45)	10	—
			SLR-322DU	Orange	60	20	60*1	3	−25 to +85	−30 to +100	2.0	10	10	3	610	10	2	6	(18)	10	—
			SLR-322YY	Yellow	60	20	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	585	10	4	10	(28)	10	—
			SLR-322MG	Yellow Green	75	25	60*1	3	−25 to +85	−30 to +100	2.1	10	10	3	563	10	6	16	(45)	10	—

*SLI-325/SLR-325 series: straight taping only.
*1 Duty1/5, 200Hz *2 Duty1/10, 1kHz *3 Dominant Wavelength

●Product No. Configuration 〈Through-hole LEDs〉

■Exclude Mono-color (Blue (B), Green (E), White (WB))

S	L	I	–	3	4	3	V	□	8	R	C	3	F	□				
Series name				Package shape			Color		Chip control symbol	Remarks	Resin color		Packaging type				Special control symbol	Brightness rank

Series name	
SLA	1-Die Circular type High Brightness LED Lamps
SLI	1-Die Circular type Low Current High Brightness LED Lamps
SLR	1-Die Circular type LED Lamp

Package shape	
343	ϕ3 Circular type
332	ϕ3 Circular type
56	ϕ5 Circular type
560	ϕ5 Circular type
570	ϕ5 Circular type
580	ϕ5 Circular type
430	Oval type ϕ4
325	ϕ3.2 Circular type
322	ϕ3 Flat disc type

Color	
V	Red
U	Red
U2	Red
D	Orange
Y	Yellow
Y2	Yellow
M	Yellowish green
P	Green

Resin color	
R	<Red>Diffused colored
U	<Orange>Diffused colored
Y	<Yellow>Diffused colored
G	<Yellowish green> Diffused colored
C	Transparent colored
T	Transparent colorless

Packaging type	
3F	1-Die straight bulk
T31	Refer to taping specification
T32	

Brightness rank: Refer to specification

■Mono-color (Blue (B), Green (E), White (WB))

S	L	R	3	4	3	W	B	D	2	P	T	2	□	□				
Series name			Package shape			Color			Chip control symbol	Remarks	Resin color		Packaging type				Special control symbol	Brightness rank

Chromaticity rank (for white LED) *SLA560WBD2PT is not applied.

Series name	
SLA	1-Die Circular type High Brightness LED Lamps
SLR	1-Die Circular type LED Lamps
SLD	1-Die Oval type High Brightenss LED Lamps

Package shape	
343	ϕ3 Circular type
560	ϕ5 Circular type
580	ϕ5 Circular type
430	Oval type ϕ4

Color	
BC	Blue
BD	Blue
EC	Green
WB	White

Resin color	
T	Transparent colorless
W	Milky white

Packaging type	
3F	1-Die straight bulk
T31	Refer to specification
T32	

〈in case of white〉

3	1-Die straight bulk
1	Refer to specification (same as T31)
2	Refer to specification (same as T32)

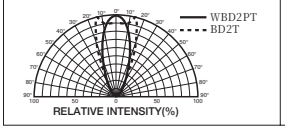
Brightness rank: Refer to specification

Through-hole LEDs

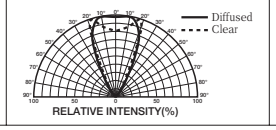
●Viewing Angle (Unit: deg)

⟨ϕ3 type⟩

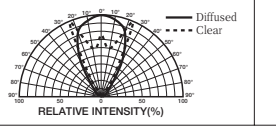
● SLR343BD2T/WBD2PT



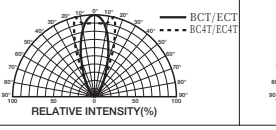
● SLI-343 series



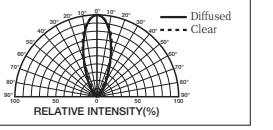
● SLI-343x8 series



● SLR343BCT/ECT/BC4T/EC4T

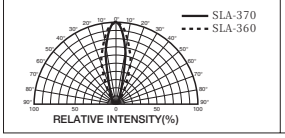


● SLR-343 series

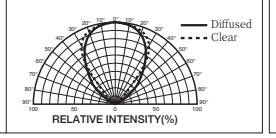


⟨ϕ3 type⟩

● SLA-370/360 series

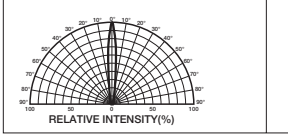


● SLR-332 series

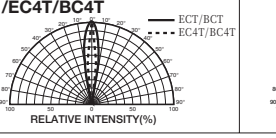


⟨ϕ5 type⟩

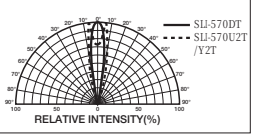
● SLI-580 series



● SLA580 ECT/BCT /EC4T/BC4T

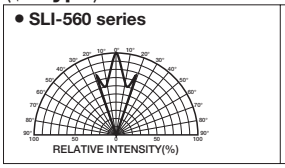


● SLI-570 series

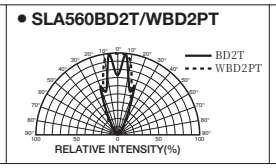


⟨ϕ5 type⟩

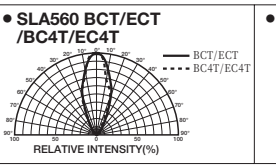
● SLI-560 series



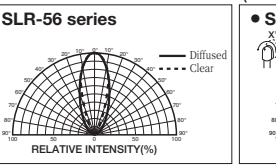
● SLA560BD2T/WBD2PT



● SLA560 BCT/ECT /BC4T/EC4T

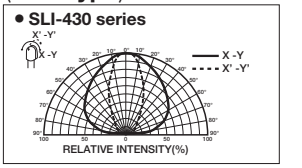


● SLR-56 series



⟨Oval type⟩

● SLI-430 series

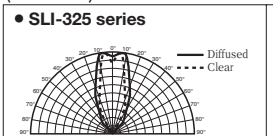


⟨Oval Type⟩

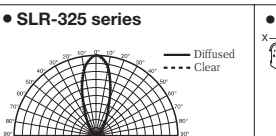
● SLD430BD2W/WBD2PT

⟨Others⟩

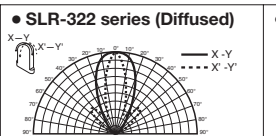
● SLI-325 series



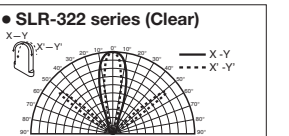
● SLR-325 series



● SLR-322 series (Diffused)



● SLR-322 series (Clear)

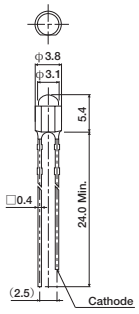


Note: Viewing Angle shown above are the reference data from standard product. For the part numbers other than the above, please contact us.

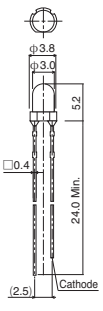
●Dimensions (Unit: mm)

⟨ϕ3 type⟩

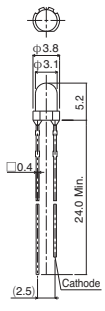
● SLI-343 series
● SLR-343 series
● SLR343 series



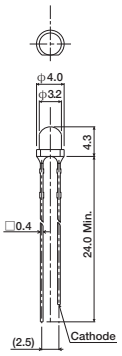
● SLA-370 series



● SLA-360 series

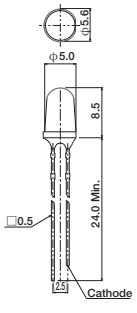


● SLR-332 series

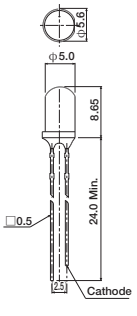


⟨ϕ5 type⟩

● SLI-580 series
● SLA-580 series
● SLA580 series

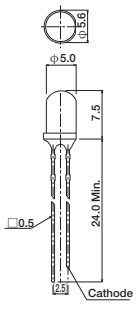


● SLI-570 series
● SLA-570 series

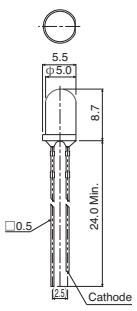


⟨ϕ5 type⟩

● SLI-560 series
● SLA-560 series
● SLA560 series

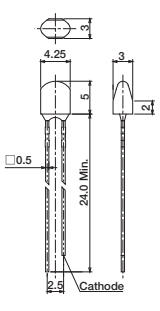


● SLR-56 series



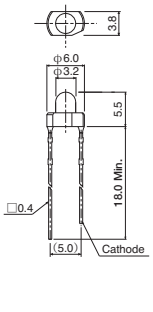
⟨Oval type⟩

● SLI-430 series
● SLD430 series

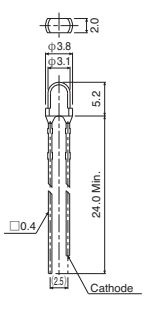


⟨Others⟩

● SLI-325 series
● SLR-325 series



● SLR-322 series



*For further information, please refer to specification.