

Технические характеристики

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LED - SMD LEDs

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (mlm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLMG1100	SMD 0603	Green	564	570	575	12.5	35		20					2.1	2.4	80	Standard
TLMO1000	SMD 0603	Soft orange	600	605	609	3.55	7.5		2					1.8	2.6	80	Low current
TLMO1100	SMD 0603	Orange	600	606	9	50	80		20					2.1	2.4	80	Standard
TLMP1100	SMD 0603	Pure green	551	561	566	6.3	15		20					2.1	2.4	80	Standard
TLMS1000	SMD 0603	Red	624	628	636	1.8	4		2					1.8	2.6	80	Low current
TLMS1100	SMD 0603	Red	627	633	639	32	63		20					2.1	2.4	80	Standard
TLMY1000	SMD 0603	Yellow	580	588	595	3.55	7.5		2					1.8	2.6	80	Low current
TLMY1100	SMD 0603	Yellow	580	589	595	50	80		20					2.1	2.4	80	Standard
VLDB1232G	SMD dome lens	Blue	458	465	472	1800	3500		20					3.0	3.4	9	Power
VLDB1232R	SMD dome lens	Blue	458	465	472	1800	3500		20					3.0	3.4	9	Power
VLDK1235G	SMD dome lens	Amber	611	616	621	9000	18000	35500	50					2.25	2.7	11	Power
VLDK1235R	SMD dome lens	Amber	611	616	621	9000	18000	35500	50					2.25	2.7	11	Power
VLDK1535G	SMD dome lens	Amber	611	616	621	4500	8000	14000	50					2.25	2.7	22	Power
VLDK1535R	SMD dome lens	Amber	611	616	621	4500	8000	14000	50					2.25	2.7	22	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLDR1235G	SMD dome lens	Red	619	624	631	9000	14 500	35 500	50					2.2
VLDR1235R	SMD dome lens	Red	619	624	631	9000	14 500	35 500	50					2.2	2.7	11	Power
VLDR1535G	SMD dome lens	Red	619	624	631	3550	6500	11 200	50					2.2	2.7	22	Power
VLDR1535R	SMD dome lens	Red	619	624	631	3550	6500	11 200	50					2.2	2.7	22	Power
VLDS1235G	SMD dome lens	Super red	626	630	637	5600	11 000	22 400	50					2.2	2.7	11	Power
VLDS1235R	SMD dome lens	Super red	626	630	637	5600	11 000	22 400	50					2.2	2.7	11	Power
VLDS1535G	SMD dome lens	Super red	626	630	637	2800	5000	9000	50					2.2	2.7	22	Power
VLDS1535R	SMD dome lens	Super red	626	630	637	2800	5000	9000	50					2.2	2.7	22	Power
VLDTG1232G	SMD dome lens	True green	515	525	541	7100	16 000		20					2.9	3.4	9	Power
VLDTG1232R	SMD dome lens	True green	515	525	541	7100	16 000		20					2.9	3.4	9	Power
VLDY1235G	SMD dome lens	Yellow	583	589	595	9000	18 000	35 500	50					2.3	2.7	11	Power
VLDY1235R	SMD dome lens	Yellow	583	589	595	9000	18 000	35 500	50					2.3	2.7	11	Power
VLDY1535G	SMD dome lens	Yellow	583	589	595	4500	8000	14 000	50					2.3	2.7	22	Power
VLDY1535R	SMD dome lens	Yellow	583	589	595	4500	8000	14 000	50					2.3	2.7	22	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMA3100	SMD PLCC-2	Yellow	581	588	594	0.28	0.8		2					2.2	2.9	60	Low current
VLMA3101	SMD PLCC-2	Yellow	581	588	594	0.56		1.4	2					2.2	2.9	60	Low current
VLMB1300	SMD 0603 ChipLED	Blue	465		475	28		180	20					3.8		65	Standard
VLMB1302	SMD 0603 ChipLED	Blue	465		475	45		112	20					3.8		65	Standard
VLMB1310	SMD 0603 ChipLED	Blue	465		475	28		180	20					3.8		65	Standard
VLMB41P1Q2	SMD PLCC-2	Blue	462	469	476	45	90	112	10					3.2	4.2	60	Standard
VLMB41P2Q2	SMD PLCC-2	Blue	462	469	476	56	90	112	10					3.2	4.2	60	Standard
VLMC3100	SMD PLCC-2	Green	562	572	575	0.71	1.6		2					1.9	2.4	60	Low current
VLMC3101	SMD PLCC-2	Green	562	572	575	1.12	1.6		2					1.9	2.4	60	Low current
VLMD3100	SMD PLCC-2	Red		648		11.2	22		10					1.8	2.2	60	Standard
VLMD3101	SMD PLCC-2	Red		648		18	23	45	10					1.8	2.2	60	Standard
VLMD3105	SMD PLCC-2	Red		648		11.2	22	28	10					1.8	2.2	60	Standard
VLMD31L2N1	SMD PLCC-2	Red		648		14	22	35.5	10					1.8	2.2	60	Standard
VLMD31L2P1	SMD PLCC-2	Red		648		14	22	56	10					1.8	2.2	60	Standard
VLMD31M2P1	SMD PLCC-2	Red		648		22.4	25	56	10					1.8	2.2	60	Standard
VLME2300	SMD MiniLED	Yellow	581	588	594	56	112		20					2.0	2.6	60	Power
VLME23Q2T1	SMD MiniLED	Yellow	581	588	594	90	170	355	20					2	2.6	60	Power
VLME23R2T1	SMD MiniLED	Yellow	581	588	594	140	190	355	20					2	2.6	60	Power
VLME3100	SMD PLCC-2	Yellow	581	588	594	28	75		10					2.0	2.6	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLME3105	SMD PLCC-2	Yellow	581	588	594	56	80	140	10					2.0	2.6	60	Standard
VLME31Q2T1	SMD PLCC-2	Yellow	581	588	594	90	190	355	20					2.0	2.6	60	Standard
VLME31R1S2	SMD PLCC-2	Yellow	581	588	594	112	195	280	20					2.0	2.6	60	Standard
VLME31S1T1	SMD PLCC-2	Yellow	581	588	594	180	210	355	20					2.0	2.6	60	Standard
VLMF2300	SMD MiniLED	Soft orange	598	605	611	56	112		20					2.0	2.6	60	Power
VLMF23Q2S1	SMD MiniLED	Soft orange	598	605	611	90	180	224	20					2	2.6	60	Power
VLMF3100	SMD PLCC-2	Soft orange	598	605	611	28	90		10					2.0	2.6	60	Standard
VLMF31Q2T1	SMD PLCC-2	Soft orange	598	605	611	90	200	355	20					2.0	2.6	60	Standard
VLMF31S1T1	SMD PLCC-2	Soft orange	598	605	611	180	206	355	20					2.0	2.6	60	Standard
VLMG1300	SMD 0603 ChipLED	Yellow green		571		18	35		20					2.0	2.4	65	Standard
VLMG21J2L1	SMD MiniLED	Green	562	572	575	5.6	11.5	14	10					2.1	2.8	60	Standard
VLMG21J2M1	SMD MiniLED	Green	562	572	575	5.6	12	22.4	10					2.1	2.8	60	Standard
VLMG21K1L2	SMD MiniLED	Green	562	572	575	7.1	12	18	10					2.1	2.8	60	Standard
VLMG3100	SMD PLCC-2	Green	562	572	575	4.5	16		10					2.1	2.8	60	Standard
VLMG3102	SMD PLCC-2	Green	562	572	575	11.2	16	18	10					2.1	2.8	60	Standard
VLMG3105	SMD PLCC-2	Green	562	572	575	7.1	16	18	10					2.1	2.8	60	Standard
VLMG31K1L2	SMD PLCC-2	Green	562	572	575	7.1	15	18	10					2.1	2.8	60	Standard
VLMG31K1M2	SMD PLCC-2	Green	562	572	575	7.1	15	28	10					2.1	2.8	60	Standard
VLMG31L1M2	SMD PLCC-2	Green	562	572	575	11.2	16	28	10					2.1	2.8	60	Standard
VLMH3100	SMD PLCC-2	Amber	612	619	625	2.8	12		10					2	2.8	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (mlm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMH3102	SMD PLCC-2	Amber	612	619	625		7.1	12	18		10			
VLMK2000	SMD MiniLED	Amber	612	622	624	7.1	16		2					1.8	2.2	60	Low current
VLMK20J2L2	SMD MiniLED	Amber	612	622	624	5.6		18	2					1.8	2.2	60	Low current
VLMK20K1L2	SMD MiniLED	Amber	612	622	624	7.1		18	2					1.8	2.2	60	Low current
VLMK2300	SMD MiniLED	Super red		630		35.5	90		20					1.9	2.6	60	Power
VLMK233U1AA	SMD MiniLED	Amber	611	616	622	450	680	1400	20					2.1	2.6	60	Power
VLMK234ABCA	SMD MiniLED	Amber	611	616	622	1400	2500	3550	50					2.25	2.8	60	Power
VLMK235T2V1	SMD MiniLED	Amber	611	616	622	355	550	900	20					2.0	2.6	60	Power
VLMK23P2R1	SMD MiniLED	Red		630		56	120	140	20					1.9	2.6	60	Power
VLMK23P2S1	SMD MiniLED	Red		630		56	125	224	20					1.9	2.6	60	Power
VLMK23R1S1	SMD MiniLED	Red		630		112	130	224	20					1.9	2.6	60	Power
VLMK3100	SMD PLCC-2	Red		630		11.2	50		10					1.9	2.6	60	Standard
VLMK3102	SMD PLCC-2	Red		630		22.4	43	56	10					1.9	2.6	60	Standard
VLMK3105	SMD PLCC-2	Red		630		35.5	50	90	10					1.9	2.6	60	Standard
VLMK31Q1R2	SMD PLCC-2	Red		630		71	138	180	20					1.9	2.6	60	Standard
VLMK31R1S1	SMD PLCC-2	Red		630		112	142	224	20					1.9	2.6	60	Standard
VLMK31R1S2	SMD PLCC-2	Red		630		112	142	280	20					1.9	2.6	60	Standard
VLMK31R2S2	SMD PLCC-2	Red		630		140	160	280	20					1.9	2.6	60	Standard
VLMK333U2AB	SMD PLCC-2	Amber	611	616	622	560	850	1800	20					2.1	2.6	60	Power
VLMK334BACB	SMD PLCC-2	Amber	611	616	622	1800	2800	4500	50					2.25	2.8	60	Power
VLMK335U1V2	SMD PLCC-2	Amber	611	616	622	450	630	1120	20					2.1	2.6	60	Power
VLMK33Q2T1	SMD PLCC-2	Amber	611	617	622	90	275	355	20					1.9	2.5	60	Power

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			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMK33S1T1	SMD PLCC-2	Amber	611	617	622	180	275	355	20					1.9	2.5	60	Power
VLMKE3400	SMD PLCC-4	Red		630		56		180	20					1.9	2.6	60	Bicolor
VLMKE3401	SMD PLCC-4	Yellow	581	588	594	90		280	20					2	2.6	60	Bicolor
VLMKG3400	SMD PLCC-4	Green	564	570	575	35.5		90	20					2.0	2.6	60	Bicolor
	SMD PLCC-4	Super red	627	633	639	56		140	20					1.9	2.6	60	Bicolor
VLMO1300	SMD 0603 ChipLED	Soft orange		605		45	90		20					2.0	2.4	65	Standard
VLMO20J2M1	SMD MiniLED	Soft orange	598	605	611	5.6		22.4	2					1.8	2.2	60	Low current
VLMO20K2L2-35	SMD MiniLED	Soft orange	602		609	9		18	2					1.8	2.2	60	Low current
VLMO2100	SMD MiniLED	Soft orange	598	605	611	3.55	7.3		10					2.1	3	60	Standard
VLMO21J2L1	SMD MiniLED	Soft orange	598	605	611	5.6	7.3	14	10					2.1	3	60	Standard
VLMO233U1AA	SMD MiniLED	Soft orange	600	605	611	450	760	1400	20					2.1	2.6	60	Power
VLMO233U2V2-35	SMD MiniLED	Soft orange	602	605	609	560	760	1120	20					2.1	2.6	60	Power
VLMO235U1V2	SMD MiniLED	Soft orange	600	605	611	450	650	1120	20					2.0	2.6	60	Power
VLMO235U2V2-35	SMD MiniLED	Soft orange	602	605	609	560	700	1120	20					2.0	2.6	60	Power
VLMO30K1L2	SMD PLCC-2	Orange	600	605	609	7.1	15	18	2					1.8	2.2	60	Low current
VLMO30K1M2	SMD PLCC-2	Orange	600	605	609	7.1	16	28	2					1.8	2.2	60	Low current

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			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMO30L1M2	SMD PLCC-2	Orange	600	605	609	11.2	16.5	28	2					1.8	2.2	60	Low current
VLMO3100	SMD PLCC-2	Soft orange	598	605	611	2.8	8		10					2	2.8	60	Standard
VLMO31J1K2	SMD PLCC-2	Soft orange	598	605	611	4.5	8.6	11.2	10					2.2	2.8	60	Standard
VLMO31J1L2	SMD PLCC-2	Soft orange	598	605	611	4.5	8.6	18	10					2.2	2.8	60	Standard
VLMO31K1L2	SMD PLCC-2	Soft orange	598	605	611	7.1	9	18	10					2.2	2.8	60	Standard
VLMO333U2AB	SMD PLCC-2	Soft orange	600	605	611	560	950	1800	20					2.1	2.6	60	Power
VLMO335U2AA	SMD PLCC-2	Soft orange	600	605	611	560	700	1400	20					2.1	2.6	60	Power
VLMO33R2U2	SMD PLCC-2	Soft orange	600	605	611	140	470	710	30					2.0	2.5	60	Power
VLMP20D2G1	SMD MiniLED	Pure green	555		565	0.56		2.24	2					1.8	2.2	60	Low current
VLMP23K2M2	SMD MiniLED	Pure green	555	560	565	9		28	20					2.2	2.6	60	Standard
VLMP23L2M2	SMD MiniLED	Pure green	555	560	565	14		28	20					2.2	2.6	60	Standard
VLMP31G2J1	SMD PLCC-2	Pure green	555	560	565	2.24	3.6	5.6	10					2.1	2.8	60	Standard
VLMP31H2J2	SMD PLCC-2	Pure green	555	560	565	3.55	4.3	7.1	10					2.1	2.8	60	Standard
VLMPG31L1M2	SMD PLCC-2	Pure green	555	559	565	11.2	18	28	20					2.0	2.6	60	Standard

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			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMPG33N1P2	SMD PLCC-2	Pure green	555	560	565	28	42	71	30					2.0	2.5	60	Power
VLMR233T2V2	SMD MiniLED	Red	619	625	631	355	650	1120	20					2.0	2.6	60	Power
VLMR234ABCA	SMD MiniLED	Red	619	625	631	1400	2000	3550	50					2.2	2.8	60	Power
VLMR235T2V1	SMD MiniLED	Red	619	625	631	355	520	900	20					2.1	2.6	60	Power
VLMR31Q2T1	SMD PLCC-2	Amber	612	618	624	90	160	355	20					2.0	2.4	60	Standard
VLMR333U1AA	SMD PLCC-2	Red	619	625	631	450	750	1400	20					2	2.6	60	Power
VLMR334BACB	SMD PLCC-2	Red	619	625	631	1800	2200	4500	50					2.2	2.8	60	Power
VLMR335U1V2	SMD PLCC-2	Red	619	625	631	450	560	1120	20					2	2.6	60	Power
VLMR33T1U2	SMD PLCC-2	Amber	611	617	622	280	450	710	30					2.0	2.5	60	Power
VLMRGB6112-00	SMD PLCC-6	Blue	463	469	476	180	230	450	20					3.0	3.6	60	RGB
	SMD PLCC-6	True green	519	526	534	900	1030	1800	20					3.1	3.6	60	RGB
	SMD PLCC-6	Red	618	624	629	560	730	920	20					2.0	2.4	60	RGB
VLMS1300	SMD 0603 ChipLED	Super red		631		18	54		20					2.0	2.4	65	Standard
VLMS2000	SMD MiniLED	Super red		630		2.24	4.5		2					1.8	2.2	60	Low current
VLMS20H2K1	SMD MiniLED	Super red		630		3.55		9	2					1.8	2.2	60	Low current
VLMS20H2L1	SMD MiniLED	Super red		630		3.55		14	2					1.8	2.2	60	Low current
VLMS20J2L1	SMD MiniLED	Super red		630		5.6		14	2					1.8	2.2	60	Low current
VLMS2100	SMD MiniLED	Red	624	628	636	2.8	7.0		10					2.1	3	60	Standard
VLMS21H2L1	SMD MiniLED	Red	624	628	636	3.55	7.0	14	10					2.1	3	60	Standard
VLMS21J2L1	SMD MiniLED	Red	624	628	636	5.6	7.0	14	10					2.1	3	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMS233T1V1	SMD MiniLED	Super red	626	630	639	280	450	900	20					2.0	2.6	60	Power
VLMS234V2BA	SMD MiniLED	Super red	626	630	639	900	1400	2240	50					2.2	2.8	60	Power
VLMS235S2U1	SMD MiniLED	Super red	626	630	639	224	370	560	20					2.1	2.6	60	Power
VLMS3000	SMD PLCC-2	Super red	624	630	636	2.8	10		2					1.8	2.2	60	Low current
VLMS30J1K2	SMD PLCC-2	Super red	624	630	636	4.5	8.5	11.2	2					1.8	2.2	60	Low current
VLMS30J1L2	SMD PLCC-2	Super red	624	630	636	4.5	10	18	2					1.8	2.2	60	Low current
VLMS30J2K2	SMD PLCC-2	Super red	624	630	636	5.6	8.5	11.2	2					1.8	2.2	60	Low current
VLMS30K1L2	SMD PLCC-2	Super red	624	630	636	7.1	10.5	18	2					1.8	2.2	60	Low current
VLMS30K2L2	SMD PLCC-2	Super red	624	630	636	9	12	18	2					1.8	2.2	60	Low current
VLMS3100	SMD PLCC-2	Red	624	630	636	2.8	7.1		10					2.0	2.6	60	Standard
VLMS31J1K2	SMD PLCC-2	Red	624	630	638	4.5	7.8	11.2	10					1.9	2.6	60	Standard
VLMS31J1L2	SMD PLCC-2	Red	624	630	638	4.5	7.8	18	10					1.9	2.6	60	Standard
VLMS31J2L1	SMD PLCC-2	Red	624	630	638	5.6	8	14	10					1.9	2.6	60	Standard
VLMS31K1L2	SMD PLCC-2	Red	624	630	638	7.1	8.5	18	10					1.9	2.6	60	Standard
VLMS333T2V2	SMD PLCC-2	Super red	626	630	639	355	550	1120	20					2	2.6	60	Power
VLMS334AABB	SMD PLCC-2	Super red	626	630	639	1120	1600	2800	50					2.2	2.8	60	Power
VLMS335T1U2	SMD PLCC-2	Super red	626	630	639	280	390	710	20					2	2.6	60	Power
VLMS33S1T2	SMD PLCC-2	Super red	626	630	638	180	290	450	30					2.0	2.5	60	Power
VLMS33S1U1	SMD PLCC-2	Super red	626	630	638	180	290	560	30					2.0	2.5	60	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMT3100	SMD PLCC-2	Red	612	618	625	0.28	1.1		2					2.2	2.9	60	Low current
VLMTG1300	SMD 0603 ChipLED	True green		525		71		450	20					3.2	3.6	65	Standard
VLMTG1400	SMD 0603 ChipLED	True green	515	525	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG1401	SMD 0603 ChipLED	True green	515	525	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG1402	SMD 0603 ChipLED	True green	520	527	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG41S2U1	SMD PLCC-2	True green	515	530	541	224	380	560	10					3.2	4.2	60	Standard
VLMU1610-365-135	SMD ceramic mid power	Ultraviolet	362.5	367	370					14	23	26	20	3.5	4.0	67.5	Power
VLMU3100	SMD PLCC-2	Ultraviolet	400	405	410	1.8	2.5	3	20					3.2	3.8	60	Standard
VLMU3500-385-060	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	30	Power
VLMU3500-385-060-L	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	30	Power
VLMU3500-385-120	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	60	Power
VLMU3500-385-120-L	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	60	Power
VLMU3500-395-060	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	30	Power
VLMU3500-395-060-L	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	30	Power
VLMU3500-395-120	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	60	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMU3500-395-120-L	SMD ceramic high power	Ultraviolet	390	395	400							620		
VLMU3500-405-060	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	30	Power
VLMU3500-405-060-L	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	30	Power
VLMU3500-405-120	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	60	Power
VLMU3500-405-120-L	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	60	Power
VLMU3510-365-130	SMD ceramic high power	Ultraviolet	362.5	367	370					560	690	835	500	4.0	4.4	65	Power
VLMU3511-365-130	SMD ceramic high power	Ultraviolet	360	367	370					835	1000	1325	600	3.6	4.0	65	Power
VLMU3520-385-060	SMD ceramic high power	Ultraviolet	380	385	390					740	900		500	3.6	4.0	30	Power
VLMU3520-385-120	SMD ceramic high power	Ultraviolet	380	385	390					780	930		500	3.6	4.0	60	Power
VLMU3520-395-060	SMD ceramic high power	Ultraviolet	390	395	400					740	900		500	3.6	4.0	30	Power
VLMU3520-395-120	SMD ceramic high power	Ultraviolet	390	395	400					780	930		500	3.6	4.0	60	Power
VLMU3520-405-060	SMD ceramic high power	Ultraviolet	400	405	410					740	900		500	3.6	4.0	30	Power
VLMU3520-405-120	SMD ceramic high power	Ultraviolet	400	405	410					780	930		500	3.6	4.0	60	Power
VLMU35CB20-275-120	SMD ceramic	Ultraviolet	270	273	280					10	13.5		120	6.2	7.5	60	Power
VLMU35CB21-275-120	SMD ceramic	Ultraviolet	270	273	280					12	13.5		120	6.2	7.0	60	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMU35CL20-275-120	SMD ceramic	Ultraviolet	265	277	285					2.0	3.0		20	6.0	7.0	60	Power
VLMU35CT20-275-120	SMD ceramic	Ultraviolet	270	274	280					16.5	21.5		180	6.3	7.0	60	Power
VLMU35CT21-275-120	SMD ceramic	Ultraviolet	270	274	280					18.5	21.5		180	6.3	7.0	60	Power
VLMV3100	SMD PLCC-3	Green	562	571	575	2.8	14		10					2.1	3	60	Bicolor
	SMD PLCC-3	Red	612	620	625	2.8	12		10					2.0	3	60	Bicolor
VLMW1300	SMD 0603 ChipLED	White		0.294, 0.286		45			180	5					3.15	65	Standard
VLMW1301	SMD 0603 ChipLED	White		0.294, 0.286		90			180	5					3.00	65	Standard
VLMW1500	SMD 0402 ChipLED	White		0.304, 0.300		45	90		180	5				2.90	3.05	65	Standard
VLMW1501	SMD 0402 ChipLED	White		0.294, 0.286		71	90		180	5				2.90	3.05	65	Standard
VLMW1502	SMD 0402 ChipLED	White		0.314, 0.315		71	90		180	5				2.90	3.05	65	Standard
VLMW1503	SMD 0402 ChipLED	White		0.304, 0.300		71	90		180	5				2.90	3.05	65	Standard
VLMW33S2V1-5K8L	SMD PLCC-2	White		0.33, 0.33		224	635		900	20				3.7	4.2	60	Power
VLMW33U2AA-5K8L	SMD PLCC-2	White		0.33, 0.33		560	650		1400	20				3.7	4.2	60	Power
VLMW41R1T1-5K8L	SMD PLCC-2	White		0.33, 0.33		112	275		355	10				3.3	4.2	60	Standard
VLMW41R1T1-7K8L	SMD PLCC-2	White		0.345, 0.352		112	275		355	10				3.3	4.2	60	Standard
VLMW41S1T1-5K8L	SMD PLCC-2	White		0.33, 0.33		180	275		355	10				3.3	4.2	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (mlm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMW41S1T1-8K8L	SMD PLCC-2	White		0.33, 0.33		180	275	355	10					3.3	4.2	60	Standard
VLMW41S1T2-5K6L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-6K7L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-7K8L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-JKKL	SMD PLCC-2	White		0.30, 0.28		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-JKPL	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-KKLL	SMD PLCC-2	White		0.31, 0.30		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-LKML	SMD PLCC-2	White		0.32, 0.31		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-MKNL	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-NKOL	SMD PLCC-2	White		0.34, 0.34		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-OKPL	SMD PLCC-2	White		0.35, 0.36		180	275	450	10					3.3	4.2	60	Standard
VLMW45R1S1-5K6L	SMD PLCC-2	White		0.33, 0.33		112	160	224	5					3.3	4.2	60	Standard
VLMY10J2K2-4	SMD 0603	Yellow	585	588	590	5.6		11.25	2					1.8	2.6	80	Low current
VLMY1300	SMD 0603 ChipLED	Yellow	584.5		597	28		180	20					2.4		65	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMY1301	SMD 0603 ChipLED	Yellow	584.5		597	71		180	20					2.4	65	Standard	
VLMY2000	SMD MiniLED	Yellow	581	588	594	3.55	7.1		2				1.8	2.2	60	Low current	
VLMY20J1L2	SMD MiniLED	Yellow	581	588	594	4.5		18	2				1.8	2.2	60	Low current	
VLMY20K1L2	SMD MiniLED	Yellow	581	588	594	7.1		18	2				1.8	2.2	60	Low current	
VLMY2100	SMD MiniLED	Yellow	581	588	594	3.55	7.7		10				2.2	3	60	Standard	
VLMY233T2V2	SMD MiniLED	Yellow	583	589	594	355	650	1120	20				2.15	2.6	60	Power	
VLMY234ABCA	SMD MiniLED	Yellow	583	589	594	1400	2000	3550	50				2.3	2.8	60	Power	
VLMY235T2V1	SMD MiniLED	Yellow	583	589	594	355	520	900	20				2.1	2.6	60	Power	
VLMY3000	SMD PLCC-2	Yellow	581	587	594	4.5	11.6		2				1.8	2.2	60	Low current	
VLMY3001	SMD PLCC-2	Yellow	581	587	594	7.1	11.8	18	2				1.8	2.2	60	Low current	
VLMY30J2L1	SMD PLCC-2	Yellow	581	587	594	5.6	10.6	14	2				1.8	2.2	60	Low current	
VLMY30J2M1	SMD PLCC-2	Yellow	581	587	594	5.6	11.6	22.4	2				1.8	2.2	60	Low current	
VLMY30K2M1	SMD PLCC-2	Yellow	581	587	594	9	12.3	22.4	2				1.8	2.2	60	Low current	
VLMY3100	SMD PLCC-2	Yellow	581	588	594	2.8	11		10				2.1	2.8	60	Standard	
VLMY3101	SMD PLCC-2	Yellow	581	588	594	4.5	10	11.2	10				2.1	2.8	60	Standard	
VLMY3102	SMD PLCC-2	Yellow	581	588	594	7.1	11	18	10				2.1	2.8	60	Standard	
VLMY31J1K2	SMD PLCC-2	Yellow	581	588	594	4.5	7.6	11.2	10				2.1	2.8	60	Standard	
VLMY31J1L2	SMD PLCC-2	Yellow	581	588	594	4.5	7.6	18	10				2.1	2.8	60	Standard	

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMY31J2K2	SMD PLCC-2	Yellow	581	588	594	5.6	7.8	11.2	10					2.1	2.8	60	Standard
VLMY31K1L2	SMD PLCC-2	Yellow	581	588	594	7.1	8.6	18	10					2.1	2.8	60	Standard
VLMY333U1AA	SMD PLCC-2	Yellow	583	589	594	450	750	1400	20					2.15	2.6	60	Power
VLMY334BACB	SMD PLCC-2	Yellow	583	589	594	1800	2300	4500	50					2.3	2.8	60	Power
VLMY335U1V2	SMD PLCC-2	Yellow	583	589	594	450	600	1120	20					2.15	2.6	60	Power
VLMY33R2U2	SMD PLCC-2	Yellow	583	588	594	140	425	710	30					2.0	2.5	60	Power
VLMY33T1U2	SMD PLCC-2	Yellow	583	588	594	280	425	710	30					2.0	2.5	60	Power
VLMYG30H2K1	SMD PLCC-2	Yellow green	566	574	575	3.55	4.2	9.00	2					1.9	2.2	60	Low current
VLMYG33P1Q2	SMD PLCC-2	Yellow green	566	570	577	45	90	112	30					2.0	2.5	60	Power
VLRE31R1S2	SMD reverse gullwing	Yellow	581	588	594	112		285	20					2.1	2.3	60	Standard
VLRK31Q1R2	SMD reverse gullwing	Red	620	630	635	71		180	20					2.1	2.3	60	Standard
VLRK31R1S2	SMD reverse gullwing	Red	620	630	635	112		285	20					2.1	2.3	60	Standard
VLRYG31P1Q2	SMD reverse gullwing	Yellow green	564.5	571	576.5	45	72	112.5	20					2.1	2.3	60	Standard
VLRYG31Q1R2	SMD reverse gullwing	Yellow green	564.5	571	576.5	71.5	112	180	20					2.1	2.3	60	Standard

LED - 3 MM

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLDR4400	3 mm	Red		648			25	45			20			
TLDR4900	3 mm	Red		648		63	200		20					1.8	2.2	16	Standard
TLDR4901	3 mm	Red		648		63		200	20					1.8	2.2	16	Standard
TLHA44R1S2	3 mm	Amber	612	617	625	112		280	20					2	2.6	30	Standard
TLHE44R1S2-26	3 mm	Yellow	583	588	594	112		280	20					1.9	2.6	30	Standard
TLHE4600	3 mm	Yellow	581	588	594	10	26		10					1.9	2.6	60	Standard
TLHF4600	3 mm	Soft orange	598	605	611	10	26		10					2.0	2.6	60	Standard
TLHF4601	3 mm	Soft orange	602		609	40		125	10					2.0	2.6	60	Standard
TLHF4900	3 mm	Soft orange	598	605	611	63	300		10					1.9	2.6	16	Standard
TLHG4200	3 mm	Green	562		575	6.3	10		10					2.4	3	22	Standard
TLHG4201	3 mm	Green	562		575	10	15		10					2.4	3	22	Standard
TLHG4205	3 mm	Green	562		575	16	20		10					2.4	3	22	Standard
TLHG4400	3 mm	Green	562		575	2.5	13		10					2.4	3	30	Standard
TLHG4401	3 mm	Green	562		575	4	14		10					2.4	3	30	Standard
TLHG4405	3 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG44K1M2	3 mm	Green	562		575									2.1	2.6	30	Standard
TLHG4600	3 mm	Green	562		575	1	4		10					2.4	3	60	Standard
TLHG4605	3 mm	Green	562		575	4	6		10					2.4	3	60	Standard
TLHG4900	3 mm	Green	562		575	16	37		10					2.4	3	16	Standard
TLHK4200	3 mm	Red		630		25	100		10					1.9	2.6	22	Standard
TLHK42S1T2	3 mm	Red		630		180		450	20					1.9	2.6	22	Standard
TLHK42T1U2 (1)	3 mm	Red		630		280	360	710	20					1.9	2.6	22	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLHK4400L	3 mm	Red	626	630	639		16	70			10			
TLHK44R1S2	3 mm	Red		630		112	180	280	20					1.9	2.6	30	Standard
TLHK4600	3 mm	Red		630		6.3	15		10					1.9	2.6	60	Standard
TLHK46Q1R2	3 mm	Red		630		71		180	20					2.0	2.6	60	Standard
TLHO4200	3 mm	Soft orange	598		611	4	10		10					2.4	3	22	Standard
TLHO4201	3 mm	Soft orange	598		611	10	18		10					2.4	3	22	Standard
TLHO42M1N2	3 mm	Soft orange	598		611	18		45	10					2.2	2.6	22	Standard
TLHO4400	3 mm	Soft orange	598		611	1.6	13		10					2.4	3	30	Standard
TLHR4200	3 mm	Red	612		625	4	8		10					2	3	22	Standard
TLHR4201	3 mm	Red	612		625	6.3	10		10					2	3	22	Standard
TLHR4205	3 mm	Red	612		625	10	15		10					2	3	22	Standard
TLHR4400	3 mm	Red	612		625	1.6	13		10					2	3	30	Standard
TLHR4401	3 mm	Red	612		625	2.5	14		10					2	3	30	Standard
TLHR4405	3 mm	Red	612		625	6.3	15		10					2	3	30	Standard
TLHR4600	3 mm	Red	612		625	1	4		10					2	3	60	Standard
TLHR4605	3 mm	Red	612		625	2.5	6		10					2	3	60	Standard
TLHR4900	3 mm	Red	612		625	6.3	25		10					2	3	16	Standard
TLHY4200	3 mm	Yellow	581		594	4	10		10					2.4	3	22	Standard
TLHY4201	3 mm	Yellow	581		594	6.3	15		10					2.4	3	22	Standard
TLHY4205	3 mm	Yellow	581		594	10	20		10					2.4	3	22	Standard
TLHY4400	3 mm	Yellow	581		594	1.6	10		10					2.4	3	30	Standard
TLHY4401	3 mm	Yellow	581		594	2.5	10.5		10					2.4	3	30	Standard
TLHY4405	3 mm	Yellow	581		594	6.3	11		10					2.4	3	30	Standard
TLHY4600	3 mm	Yellow	581		594	0.63	3.5		10					2.4	3	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLHY4601 (1)	3 mm	Yellow	581		594		1	4			10			
TLHY4605	3 mm	Yellow	581		594	2.5	5		10					2.4	3	60	Standard
TLHY4900 (1)	3 mm	Yellow	581		594	10	26		10					2.4	3	16	Standard
TLL4401	3 mm	Yellow	581	589	594	6.3	17	32	2					1.8	2.2	30	Low current
TLLG4400	3 mm	Green	562		575	0.63	1.2		2					1.9	2.4	25	Low current
TLLG4401	3 mm	Green	562		575	1	2		2					1.9	2.4	25	Low current
TLLK4401	3 mm	Super red	626	630	639	6.3	17	32	2					1.8	2.2	30	Low current
TLLR4400	3 mm	Red	612		625	0.63	1.2		2					1.9	2.4	25	Low current
TLLR4401	3 mm	Red	612		625	1	2		2					1.9	2.4	25	Low current
TLLY4400	3 mm	Yellow	581		594	0.63	1.2		2					2.4	2.9	25	Low current
TLLY4401	3 mm	Yellow	581		594	1	2		2					2.4	2.9	25	Low current
TLUR4400	3 mm	Red		630		4	15		10					2	3	30	Standard
TLUR4401	3 mm	Red		630		4		32	10					2	3	30	Standard
TLVD4200	3 mm backlighting	Red		640						40	130		15	1.8	2.2	85	Standard
TLVD42Q1S2 (1)	3 mm backlighting	Red	630	640	650					71	80	280	15	1.8	2.2	85	Standard
TLVD42R1S2	3 mm backlighting	Red	630	640	650					112	130	280	15	1.8	2.2	85	Standard
TLVG4200	3 mm backlighting	Green	562		575					10	30		15	2.4	3	85	Standard
TLVH4200 (1)	3 mm backlighting	Red	612		625					10	55		15	2.4	3	85	Standard
TLVP4200 (1)	3 mm backlighting	Pure green	555		565					4	20		15	2.4	3	85	Standard
TLVP4201 (1)	3 mm backlighting	Pure green	555		565					16	30		15	2.4	3	85	Standard
TLVP4202	3 mm backlighting	Pure green	555		565					6.3	30		15	2.4	3	85	Standard
TLVY4200	3 mm backlighting	Yellow	581		594					10	30		15	2.4	3	85	Standard
TLVY42N1P2-34	3 mm backlighting	Yellow	585		590					28		71	15	2.4	3	85	Standard

LED - 5 MM

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLCO5100 (1)	5 mm	Soft orange	600	605	611	4300	12 000		50					2.1	2.7	9	Power
TLCPG5100	5 mm	Pure green	555	562	567	430	1250		50					2.1	2.7	9	Power
TLCR5100	5 mm	Red	611	616	622	4300	11 000		50					2.1	2.7	9	Power
TLCR5200 (1)	5 mm	Red	611	616	622	1350	4000		50					2.1	2.7	15	Power
TLCR5800, TLCY5800																	
TLCR6200	5 mm	Red	611	616	622	1350	4000		50					2.1	2.7	15	Power
TLCR6800	5 mm	Red	611	616	622	7500	35 000		50					2.1	2.7	4	Power
TLCS5100	5 mm	Super red	626	630	638	2400	7500		50					2.1	2.7	9	Power
TLCY5100 (1)	5 mm	Yellow	585	590	597	3200	7500		50					2.1	2.7	9	Power
TLCY5200	5 mm	Yellow	585	590	597	1350	4000		50					2.1	2.7	15	Power
TLCY610.																	
TLCY6200 (1)	5 mm	Yellow	585	590	597	1350	4000		50					2.1	2.7	15	Power
TLCY6800	5 mm	Yellow	585	590	597	5750	25 000		50					2.1	2.7	4	Power
TLCYG5100	5 mm	Yellow green	565	572	576	1350	3500		50					2.2	2.7	9	Power
TLDR5400	5 mm	Red		648		35	70		20					1.8	2.2	30	Standard
TLDR5800	5 mm	Red		648		1000	2500		20					1.8	2.2	4	Standard
TLDR6400	5 mm	Red		648		35	70		20					1.8	2.2	30	Standard
TLDR6800	5 mm	Red		648		1000	2500		20					1.8	2.2	4	Standard
TLHE5100 (1)	5 mm	Yellow	581	588	594	750	1800		20					2	2.6	9	Standard
TLHE5800	5 mm	Yellow	581	588	594	1000	3500		20					2	2.6	4	Standard
TLHG5200 (1)	5 mm	Green	562		575	16	40		10					2	3	14	Standard
TLHG5201 (1)	5 mm	Green	562		575	25	45		10					2	3	14	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLHG5201	5 mm	Green	562		575		25	45			10			
TLHG5205 (1)	5 mm	Green	562		575	40	50		10					2	3	14	Standard
TLHG5400	5 mm	Green	562		575	1.6	10		10					2.4	3	30	Standard
TLHG5401	5 mm	Green	562		575	4	12		10					2.4	3	30	Standard
TLHG5405	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG5405-KSZ	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG6400	5 mm	Green	562		575	1.6	10		10					2.4	3	30	Standard
TLHG6401	5 mm	Green	562		575	4	12		10					2.4	3	30	Standard
TLHG6405	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHK5100	5 mm	Red	626	630	639	320	1400		20					2	2.6	9	Standard
TLHK5800	5 mm	Red		630		1000	5500		20					1.9	2.6	4	Standard
TLHR5200	5 mm	Red	612		630	10	50		10					2	3	14	Standard
TLHR5201 (1)	5 mm	Red	612		630	16	60		10					2	3	14	Standard
TLHR5205 (1)	5 mm	Red	612		630	25	70		10					2	3	14	Standard
TLHR5400	5 mm	Red	612		630	1.6	10		10					2	3	30	Standard
TLHR5401	5 mm	Red	612		630	4	12		10					2	3	30	Standard
TLHR5405	5 mm	Red	612		630	6.3	14		10					2	3	30	Standard
TLHR5405-KS21	5 mm	Red	612		630	6.3	14		10					2	3	30	Standard
TLHR5405-KSZ	5 mm	Red	612		630	6.3	14		10					2	3	30	Standard
TLHR6400	5 mm	Red	612		630	1.6	10		10					2	3	30	Standard
TLHR6401	5 mm	Red	612		630	4	12		10					2	3	30	Standard
TLHR6405	5 mm	Red	612		630	6.3	14		10					2	3	30	Standard
TLHY5200 (1)	5 mm	Yellow	581		594	10	50		10					2	3	14	Standard
TLHY5400	5 mm	Yellow	581		594	1.6	10		10					2.4	3	30	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (mlm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLHY5401	5 mm	Yellow	581		594	4	12		10					2.4	3	30	Standard
TLHY5405	5 mm	Yellow	581		594	6.3	14		10					2.4	3	30	Standard
TLHY6400	5 mm	Yellow	581		594	1.6	10		10					2.4	3	30	Standard
TLHY6401 (1)	5 mm	Yellow	581		594	4	12		10					2.4	3	30	Standard
TLHY6405	5 mm	Yellow	581		594	6.3	14		10					2.4	3	30	Standard
TLLG5400	5 mm	Green	562		575	0.63	1.2		2					1.9	2.4	25	Low current
TLLG5401	5 mm	Green	562		575	1	2		2					1.9	2.4	25	Low current
TLLR5400	5 mm	Red	612		625	0.63	1.2		2					1.9	2.4	25	Low current
TLLR5401	5 mm	Red	612		625	1	2		2					1.9	2.4	25	Low current
TLLY5400 (1)	5 mm	Yellow	581		594	0.63	1.2		2					2.4	2.9	25	Low current
TLLY5401 (1)	5 mm	Yellow	581		594	1	2		2					2.4	2.9	25	Low current
TLPR5600, TLPH5600, TLP																	
TLUR5400, TLUR5401																	
TLUV5300	5 mm	Green	552		575	1	2.5		10					2.4	3	30	Bicolor
	5 mm	Red	612		625	1	2.5		10					2	3	30	Bicolor
VLCS5130	5 mm	Red	620	624	630	7500	25 000		50					2.2	3.0	9	Power
VLCS5830	5 mm	Red	620	624	630	24 000	65 000		50					2.2	3.0	4	Power
VLHW5100	5 mm	White		0.33, 0.33		5600		11 200	20						3.6	10	Standard

LED - AMBER

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	Max.				
TLHA44R1S2	3 mm	Amber	612	617	625	112		280	20					2	2.6	30	Standard
VLDK1235G	SMD dome lens	Amber	611	616	621	9000	18 000	35 500	50					2.25	2.7	11	Power
VLDK1235R	SMD dome lens	Amber	611	616	621	9000	18 000	35 500	50					2.25	2.7	11	Power
VLDK1535G	SMD dome lens	Amber	611	616	621	4500	8000	14 000	50					2.25	2.7	22	Power
VLDK1535R	SMD dome lens	Amber	611	616	621	4500	8000	14 000	50					2.25	2.7	22	Power
VLMH3100	SMD PLCC-2	Amber	612	619	625	2.8	12		10					2	2.8	60	Standard
VLMH3102	SMD PLCC-2	Amber	612	619	625	7.1	12	18	10					2	2.8	60	Standard
VLMK2000	SMD MiniLED	Amber	612	622	624	7.1	16		2					1.8	2.2	60	Low current
VLMK20J2L2	SMD MiniLED	Amber	612	622	624	5.6		18	2					1.8	2.2	60	Low current
VLMK20K1L2	SMD MiniLED	Amber	612	622	624	7.1		18	2					1.8	2.2	60	Low current
VLMK233U1AA	SMD MiniLED	Amber	611	616	622	450	680	1400	20					2.1	2.6	60	Power
VLMK234ABCA	SMD MiniLED	Amber	611	616	622	1400	2500	3550	50					2.25	2.8	60	Power
VLMK235T2V1	SMD MiniLED	Amber	611	616	622	355	550	900	20					2.0	2.6	60	Power
VLMK333U2AB	SMD PLCC-2	Amber	611	616	622	560	850	1800	20					2.1	2.6	60	Power
VLMK334BACB	SMD PLCC-2	Amber	611	616	622	1800	2800	4500	50					2.25	2.8	60	Power
VLMK335U1V2	SMD PLCC-2	Amber	611	616	622	450	630	1120	20					2.1	2.6	60	Power
VLMK33Q2T1	SMD PLCC-2	Amber	611	617	622	90	275	355	20					1.9	2.5	60	Power
VLMK33S1T1	SMD PLCC-2	Amber	611	617	622	180	275	355	20					1.9	2.5	60	Power
VLMR31Q2T1	SMD PLCC-2	Amber	612	618	624	90	160	355	20					2.0	2.4	60	Standard
VLMR33T1U2	SMD PLCC-2	Amber	611	617	622	280	450	710	30					2.0	2.5	60	Power

LED - BLUE

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLDB1232G	SMD dome lens	Blue	458	465	472	1800	3500		20					3.0	3.4	9	Power
VLDB1232R	SMD dome lens	Blue	458	465	472	1800	3500		20					3.0	3.4	9	Power
VLMB1300	SMD 0603 ChipLED	Blue	465		475	28		180	20						3.8	65	Standard
VLMB1302	SMD 0603 ChipLED	Blue	465		475	45		112	20						3.8	65	Standard
VLMB1310	SMD 0603 ChipLED	Blue	465		475	28		180	20						3.8	65	Standard
VLMB41P1Q2	SMD PLCC-2	Blue	462	469	476	45	90	112	10					3.2	4.2	60	Standard
VLMB41P2Q2	SMD PLCC-2	Blue	462	469	476	56	90	112	10					3.2	4.2	60	Standard

LED - GREEN

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLHG4200	3 mm	Green	562		575	6.3	10		10					2.4	3	22	Standard
TLHG4201	3 mm	Green	562		575	10	15		10					2.4	3	22	Standard
TLHG4205	3 mm	Green	562		575	16	20		10					2.4	3	22	Standard
TLHG4400	3 mm	Green	562		575	2.5	13		10					2.4	3	30	Standard
TLHG4401	3 mm	Green	562		575	4	14		10					2.4	3	30	Standard
TLHG4405	3 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG44K1M2	3 mm	Green	562		575									2.1	2.6	30	Standard
TLHG4600	3 mm	Green	562		575	1	4		10					2.4	3	60	Standard
TLHG4605	3 mm	Green	562		575	4	6		10					2.4	3	60	Standard
TLHG4900	3 mm	Green	562		575	16	37		10					2.4	3	16	Standard
TLHG5200 (1)	5 mm	Green	562		575	16	40		10					2	3	14	Standard
TLHG5201 (1)	5 mm	Green	562		575	25	45		10					2	3	14	Standard
TLHG5201	5 mm	Green	562		575	25	45		10					2	3	14	Standard
TLHG5205 (1)	5 mm	Green	562		575	40	50		10					2	3	14	Standard
TLHG5400	5 mm	Green	562		575	1.6	10		10					2.4	3	30	Standard
TLHG5401	5 mm	Green	562		575	4	12		10					2.4	3	30	Standard
TLHG5405	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG5405-KSZ	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG6400	5 mm	Green	562		575	1.6	10		10					2.4	3	30	Standard
TLHG6401	5 mm	Green	562		575	4	12		10					2.4	3	30	Standard
TLHG6405	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLLG4400	3 mm	Green	562		575	0.63	1.2		2					1.9	2.4	25	Low current
TLLG4401	3 mm	Green	562		575	1	2		2					1.9	2.4	25	Low current
TLLG5400	5 mm	Green	562		575	0.63	1.2		2					1.9	2.4	25	Low current
TLLG5401	5 mm	Green	562		575	1	2		2					1.9	2.4	25	Low current
TLMG1100	SMD 0603	Green	564	570	575	12.5	35		20					2.1	2.4	80	Standard
TLUG2400	1.8 mm (minioplast)	Green	562	568	575	1.6	10		10					2.4	3	20	Standard
TLUG2401	1.8 mm (minioplast)	Green	562	568	575	4	12	20	10					2.4	3	20	Standard
TLVG4200	3 mm backlighting	Green	562		575					10	30		15	2.4	3	85	Standard
VLMC3100	SMD PLCC-2	Green	562	572	575	0.71	1.6		2					1.9	2.4	60	Low current
VLMC3101	SMD PLCC-2	Green	562	572	575	1.12	1.6		2					1.9	2.4	60	Low current
VLMG21J2L1	SMD MiniLED	Green	562	572	575	5.6	11.5	14	10					2.1	2.8	60	Standard
VLMG21J2M1	SMD MiniLED	Green	562	572	575	5.6	12	22.4	10					2.1	2.8	60	Standard
VLMG21K1L2	SMD MiniLED	Green	562	572	575	7.1	12	18	10					2.1	2.8	60	Standard
VLMG3100	SMD PLCC-2	Green	562	572	575	4.5	16		10					2.1	2.8	60	Standard
VLMG3102	SMD PLCC-2	Green	562	572	575	11.2	16	18	10					2.1	2.8	60	Standard
VLMG3105	SMD PLCC-2	Green	562	572	575	7.1	16	18	10					2.1	2.8	60	Standard
VLMG31K1L2	SMD PLCC-2	Green	562	572	575	7.1	15	18	10					2.1	2.8	60	Standard
VLMG31K1M2	SMD PLCC-2	Green	562	572	575	7.1	15	28	10					2.1	2.8	60	Standard
VLMG31L1M2	SMD PLCC-2	Green	562	572	575	11.2	16	28	10					2.1	2.8	60	Standard

LED - PURE GREEN

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	(mA)	Min.	Typ.	Max.	Typ.	Max.			
TLCPG5100	5 mm	Pure green	555	562	567	430	1250		50					2.1	2.7	9	Power
TLMP1100	SMD 0603	Pure green	551	561	566	6.3	15		20					2.1	2.4	80	Standard
TLVP4200 (1)	3 mm backlighting	Pure green	555		565					4	20		15	2.4	3	85	Standard
TLVP4201 (1)	3 mm backlighting	Pure green	555		565					16	30		15	2.4	3	85	Standard
TLVP4202	3 mm backlighting	Pure green	555		565					6.3	30		15	2.4	3	85	Standard
VLMP20D2G1	SMD MiniLED	Pure green	555		565	0.56		2.24	2					1.8	2.2	60	Low current
VLMP23K2M2	SMD MiniLED	Pure green	555	560	565	9		28	20					2.2	2.6	60	Standard
VLMP23L2M2	SMD MiniLED	Pure green	555	560	565	14		28	20					2.2	2.6	60	Standard
VLMP31G2J1	SMD PLCC-2	Pure green	555	560	565	2.24	3.6	5.6	10					2.1	2.8	60	Standard
VLMP31H2J2	SMD PLCC-2	Pure green	555	560	565	3.55	4.3	7.1	10					2.1	2.8	60	Standard
VLMPG31L1M2	SMD PLCC-2	Pure green	555	559	565	11.2	18	28	20					2.0	2.6	60	Standard
VLMPG33N1P2	SMD PLCC-2	Pure green	555	560	565	28	42	71	30					2.0	2.5	60	Power

LED - TRUE GREEN

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLDTG1232G	SMD dome lens	True green	515	525	541	7100	16 000		20					2.9	3.4	9	Power
VLDTG1232R	SMD dome lens	True green	515	525	541	7100	16 000		20					2.9	3.4	9	Power
VLMTG1300	SMD 0603 ChipLED	True green		525		71		450	20					3.2	3.6	65	Standard
VLMTG1400	SMD 0603 ChipLED	True green	515	525	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG1401	SMD 0603 ChipLED	True green	515	525	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG1402	SMD 0603 ChipLED	True green	520	527	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG41S2U1	SMD PLCC-2	True green	515	530	541	224	380	560	10					3.2	4.2	60	Standard

LED - RED

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLCR5100	5 mm	Red	611	616	622	4300	11 000		50					2.1	2.7	9	Power
TLCR5200 (1)	5 mm	Red	611	616	622	1350	4000		50					2.1	2.7	15	Power
TLCR6200	5 mm	Red	611	616	622	1350	4000		50					2.1	2.7	15	Power
TLCR6800	5 mm	Red	611	616	622	7500	35 000		50					2.1	2.7	4	Power
TLCS5100	5 mm	Super red	626	630	638	2400	7500		50					2.1	2.7	9	Power
TLDR4400	3 mm	Red		648		25	45		20					1.8	2.2	40	Standard
TLDR4900	3 mm	Red		648		63	200		20					1.8	2.2	16	Standard
TLDR4901	3 mm	Red		648		63		200	20					1.8	2.2	16	Standard
TLDR5400	5 mm	Red		648		35	70		20					1.8	2.2	30	Standard
TLDR5800	5 mm	Red		648		1000	2500		20					1.8	2.2	4	Standard
TLDR6400	5 mm	Red		648		35	70		20					1.8	2.2	30	Standard
TLDR6800	5 mm	Red		648		1000	2500		20					1.8	2.2	4	Standard
TLHK4200	3 mm	Red		630		25	100		10					1.9	2.6	22	Standard
TLHK42S1T2	3 mm	Red		630		180		450	20					1.9	2.6	22	Standard
TLHK42T1U2 (1)	3 mm	Red		630		280	360	710	20					1.9	2.6	22	Standard
TLHK4400L	3 mm	Red	626	630	639	16	70		10					1.9	2.6	30	Standard
TLHK44R1S2	3 mm	Red		630		112	180	280	20					1.9	2.6	30	Standard
TLHK4600	3 mm	Red		630		6.3	15		10					1.9	2.6	60	Standard
TLHK46Q1R2	3 mm	Red		630		71		180	20					2.0	2.6	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLHK5100	5 mm	Red	626	630	639		320	1400	20					
TLHK5800	5 mm	Red		630		1000	5500	20					1.9	2.6	4	Standard	
TLHR4200	3 mm	Red	612		625	4	8	10					2	3	22	Standard	
TLHR4201	3 mm	Red	612		625	6.3	10	10					2	3	22	Standard	
TLHR4205	3 mm	Red	612		625	10	15	10					2	3	22	Standard	
TLHR4400	3 mm	Red	612		625	1.6	13	10					2	3	30	Standard	
TLHR4401	3 mm	Red	612		625	2.5	14	10					2	3	30	Standard	
TLHR4405	3 mm	Red	612		625	6.3	15	10					2	3	30	Standard	
TLHR4600	3 mm	Red	612		625	1	4	10					2	3	60	Standard	
TLHR4605	3 mm	Red	612		625	2.5	6	10					2	3	60	Standard	
TLHR4900	3 mm	Red	612		625	6.3	25	10					2	3	16	Standard	
TLHR5200	5 mm	Red	612		630	10	50	10					2	3	14	Standard	
TLHR5201 (1)	5 mm	Red	612		630	16	60	10					2	3	14	Standard	
TLHR5205 (1)	5 mm	Red	612		630	25	70	10					2	3	14	Standard	
TLHR5400	5 mm	Red	612		630	1.6	10	10					2	3	30	Standard	
TLHR5401	5 mm	Red	612		630	4	12	10					2	3	30	Standard	
TLHR5405	5 mm	Red	612		630	6.3	14	10					2	3	30	Standard	
TLHR5405-KS21	5 mm	Red	612		630	6.3	14	10					2	3	30	Standard	
TLHR5405-KSZ	5 mm	Red	612		630	6.3	14	10					2	3	30	Standard	
TLHR6400	5 mm	Red	612		630	1.6	10	10					2	3	30	Standard	
TLHR6401	5 mm	Red	612		630	4	12	10					2	3	30	Standard	
TLHR6405	5 mm	Red	612		630	6.3	14	10					2	3	30	Standard	
TLLK4401	3 mm	Super red	626	630	639	6.3	17	32	2					1.8	2.2	30	Low current

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLLR4400	3 mm	Red	612		625	0.63	1.2		2					1.9	2.4	25	Low current
TLLR4401	3 mm	Red	612		625	1	2		2					1.9	2.4	25	Low current
TLLR5400	5 mm	Red	612		625	0.63	1.2		2					1.9	2.4	25	Low current
TLLR5401	5 mm	Red	612		625	1	2		2					1.9	2.4	25	Low current
TLMS1000	SMD 0603	Red	624	628	636	1.8	4		2					1.8	2.6	80	Low current
TLMS1100	SMD 0603	Red	627	633	639	32	63		20					2.1	2.4	80	Standard
TLUO2400 (1)	1.8 mm (minioplast)	Red	612	618	625	1.6	11		10					2	3	20	Standard
TLUO2401	1.8 mm (minioplast)	Red	612	618	625	4	10	20	10					2	3	20	Standard
TLUR2400	1.8 mm (minioplast)	Red		630		4	15		10					2	3	20	Standard
TLUR2401	1.8 mm (minioplast)	Red		630		4		32	10					2	3	20	Standard
TLUR4400	3 mm	Red		630		4	15		10					2	3	30	Standard
TLUR4401	3 mm	Red		630		4		32	10					2	3	30	Standard
TLVD4200	3 mm backlighting	Red		640						40	130		15	1.8	2.2	85	Standard
TLVD42Q1S2 (1)	3 mm backlighting	Red	630	640	650					71	80	280	15	1.8	2.2	85	Standard
TLVD42R1S2	3 mm backlighting	Red	630	640	650					112	130	280	15	1.8	2.2	85	Standard
TLVH4200 (1)	3 mm backlighting	Red	612		625					10	55		15	2.4	3	85	Standard
TLWR7600	TELUX	Red	611	618	634					1500	2800		70	2.2	2.67	30	Standard
TLWR7900	TELUX	Red	611	618	634					1500	2800		70	2.2	2.67	45	Standard
TLWR8600	TELUX	Red	611	616	634					2000	3700		70	2.2	2.67	30	Power
TLWR8900	TELUX	Red	611	616	634					2000	3700		70	2.2	2.67	45	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (mlm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLWR8901	TELUX	Red	611	616	634							2000		
TLWR8902	TELUX	Red	611	616	634					3000	3900	4800	70	2.2	2.67	45	Power
VLCS5130	5 mm	Red	620	624	630	7500	25 000		50					2.2	3.0	9	Power
VLCS5830	5 mm	Red	620	624	630	24 000	65 000		50					2.2	3.0	4	Power
VLDR1235G	SMD dome lens	Red	619	624	631	9000	14 500	35 500	50					2.2	2.7	11	Power
VLDR1235R	SMD dome lens	Red	619	624	631	9000	14 500	35 500	50					2.2	2.7	11	Power
VLDR1535G	SMD dome lens	Red	619	624	631	3550	6500	11 200	50					2.2	2.7	22	Power
VLDR1535R	SMD dome lens	Red	619	624	631	3550	6500	11 200	50					2.2	2.7	22	Power
VLDS1235G	SMD dome lens	Super red	626	630	637	5600	11 000	22 400	50					2.2	2.7	11	Power
VLDS1235R	SMD dome lens	Super red	626	630	637	5600	11 000	22 400	50					2.2	2.7	11	Power
VLDS1535G	SMD dome lens	Super red	626	630	637	2800	5000	9000	50					2.2	2.7	22	Power
VLDS1535R	SMD dome lens	Super red	626	630	637	2800	5000	9000	50					2.2	2.7	22	Power
VLMD3100	SMD PLCC-2	Red		648		11.2	22		10					1.8	2.2	60	Standard
VLMD3101	SMD PLCC-2	Red		648		18	23	45	10					1.8	2.2	60	Standard
VLMD3105	SMD PLCC-2	Red		648		11.2	22	28	10					1.8	2.2	60	Standard
VLMD31L2N1	SMD PLCC-2	Red		648		14	22	35.5	10					1.8	2.2	60	Standard
VLMD31L2P1	SMD PLCC-2	Red		648		14	22	56	10					1.8	2.2	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMD31M2P1	SMD PLCC-2	Red		648		22.4	25	56	10					1.8	2.2	60	Standard
VLMK2300	SMD MiniLED	Super red		630		35.5	90		20					1.9	2.6	60	Power
VLMK23P2R1	SMD MiniLED	Red		630		56	120	140	20					1.9	2.6	60	Power
VLMK23P2S1	SMD MiniLED	Red		630		56	125	224	20					1.9	2.6	60	Power
VLMK23R1S1	SMD MiniLED	Red		630		112	130	224	20					1.9	2.6	60	Power
VLMK3100	SMD PLCC-2	Red		630		11.2	50		10					1.9	2.6	60	Standard
VLMK3102	SMD PLCC-2	Red		630		22.4	43	56	10					1.9	2.6	60	Standard
VLMK3105	SMD PLCC-2	Red		630		35.5	50	90	10					1.9	2.6	60	Standard
VLMK31Q1R2	SMD PLCC-2	Red		630		71	138	180	20					1.9	2.6	60	Standard
VLMK31R1S1	SMD PLCC-2	Red		630		112	142	224	20					1.9	2.6	60	Standard
VLMK31R1S2	SMD PLCC-2	Red		630		112	142	280	20					1.9	2.6	60	Standard
VLMK31R2S2	SMD PLCC-2	Red		630		140	160	280	20					1.9	2.6	60	Standard
VLMR233T2V2	SMD MiniLED	Red	619	625	631	355	650	1120	20					2.0	2.6	60	Power
VLMR234ABCA	SMD MiniLED	Red	619	625	631	1400	2000	3550	50					2.2	2.8	60	Power
VLMR235T2V1	SMD MiniLED	Red	619	625	631	355	520	900	20					2.1	2.6	60	Power
VLMR333U1AA	SMD PLCC-2	Red	619	625	631	450	750	1400	20					2	2.6	60	Power
VLMR334BACB	SMD PLCC-2	Red	619	625	631	1800	2200	4500	50					2.2	2.8	60	Power
VLMR335U1V2	SMD PLCC-2	Red	619	625	631	450	560	1120	20					2	2.6	60	Power
VLMS1300	SMD 0603 ChipLED	Super red		631		18	54		20					2.0	2.4	65	Standard
VLMS2000	SMD MiniLED	Super red		630		2.24	4.5		2					1.8	2.2	60	Low current
VLMS20H2K1	SMD MiniLED	Super red		630		3.55		9	2					1.8	2.2	60	Low current

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMS20H2L1	SMD MiniLED	Super red		630		3.55		14	2					1.8	2.2	60	Low current
VLMS20J2L1	SMD MiniLED	Super red		630		5.6		14	2					1.8	2.2	60	Low current
VLMS2100	SMD MiniLED	Red	624	628	636	2.8	7.0		10					2.1	3	60	Standard
VLMS21H2L1	SMD MiniLED	Red	624	628	636	3.55	7.0	14	10					2.1	3	60	Standard
VLMS21J2L1	SMD MiniLED	Red	624	628	636	5.6	7.0	14	10					2.1	3	60	Standard
VLMS233T1V1	SMD MiniLED	Super red	626	630	639	280	450	900	20					2.0	2.6	60	Power
VLMS234V2BA	SMD MiniLED	Super red	626	630	639	900	1400	2240	50					2.2	2.8	60	Power
VLMS235S2U1	SMD MiniLED	Super red	626	630	639	224	370	560	20					2.1	2.6	60	Power
VLMS3000	SMD PLCC-2	Super red	624	630	636	2.8	10		2					1.8	2.2	60	Low current
VLMS30J1K2	SMD PLCC-2	Super red	624	630	636	4.5	8.5	11.2	2					1.8	2.2	60	Low current
VLMS30J1L2	SMD PLCC-2	Super red	624	630	636	4.5	10	18	2					1.8	2.2	60	Low current
VLMS30J2K2	SMD PLCC-2	Super red	624	630	636	5.6	8.5	11.2	2					1.8	2.2	60	Low current
VLMS30K1L2	SMD PLCC-2	Super red	624	630	636	7.1	10.5	18	2					1.8	2.2	60	Low current
VLMS30K2L2	SMD PLCC-2	Super red	624	630	636	9	12	18	2					1.8	2.2	60	Low current
VLMS3100	SMD PLCC-2	Red	624	630	636	2.8	7.1		10					2.0	2.6	60	Standard
VLMS31J1K2	SMD PLCC-2	Red	624	630	638	4.5	7.8	11.2	10					1.9	2.6	60	Standard
VLMS31J1L2	SMD PLCC-2	Red	624	630	638	4.5	7.8	18	10					1.9	2.6	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMS31J2L1	SMD PLCC-2	Red	624	630	638	5.6	8	14	10					1.9	2.6	60	Standard
VLMS31K1L2	SMD PLCC-2	Red	624	630	638	7.1	8.5	18	10					1.9	2.6	60	Standard
VLMS333T2V2	SMD PLCC-2	Super red	626	630	639	355	550	1120	20					2	2.6	60	Power
VLMS334AABB	SMD PLCC-2	Super red	626	630	639	1120	1600	2800	50					2.2	2.8	60	Power
VLMS335T1U2	SMD PLCC-2	Super red	626	630	639	280	390	710	20					2	2.6	60	Power
VLMS33S1T2	SMD PLCC-2	Super red	626	630	638	180	290	450	30					2.0	2.5	60	Power
VLMS33S1U1	SMD PLCC-2	Super red	626	630	638	180	290	560	30					2.0	2.5	60	Power
VLMT3100	SMD PLCC-2	Red	612	618	625	0.28	1.1		2					2.2	2.9	60	Low current
VLRK31Q1R2	SMD reverse gullwing	Red	620	630	635	71		180	20					2.1	2.3	60	Standard
VLRK31R1S2	SMD reverse gullwing	Red	620	630	635	112		285	20					2.1	2.3	60	Standard
VLWR9630 (1)	TELUX	Red	611	616	634					4000	8500	12 200	70	2.2	3.03	30	Power
VLWR9632	TELUX	Red	611	616	634					6000		12 200	70	2.2	3.03	30	Power
VLWR9930	TELUX	Red	611	616	634					4000	8500	12 200	70	2.2	3.03	45	Power
VLWR9931 (1)	TELUX	Red	611	616	634					5000	8500	12 200	70	2.2	3.03	45	Power
VLWR9932	TELUX	Red	611	616	634					6000	9000	12 200	70	2.2	2.67	45	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLWR9933	TELUX	Red	611	616	634					7000	9500	12 200	70	2.2	2.67	45	Power

LED - ORANGE

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLCO5100 (1)	5 mm	Soft orange	600	605	611	4300	12 000		50					2.1	2.7	9	Power
TLHF4600	3 mm	Soft orange	598	605	611	10	26		10					2.0	2.6	60	Standard
TLHF4601	3 mm	Soft orange	602		609	40		125	10					2.0	2.6	60	Standard
TLHF4900	3 mm	Soft orange	598	605	611	63	300		10					1.9	2.6	16	Standard
TLHO4200	3 mm	Soft orange	598		611	4	10		10					2.4	3	22	Standard
TLHO4201	3 mm	Soft orange	598		611	10	18		10					2.4	3	22	Standard
TLHO42M1N2	3 mm	Soft orange	598		611	18		45	10					2.2	2.6	22	Standard
TLHO4400	3 mm	Soft orange	598		611	1.6	13		10					2.4	3	30	Standard
TLMO1000	SMD 0603	Soft orange	600	605	609	3.55	7.5		2					1.8	2.6	80	Low current
TLMO1100	SMD 0603	Orange	600	606	9	50	80		20					2.1	2.4	80	Standard
VLMF2300	SMD MiniLED	Soft orange	598	605	611	56	112		20					2.0	2.6	60	Power
VLMF23Q2S1	SMD MiniLED	Soft orange	598	605	611	90	180	224	20					2	2.6	60	Power
VLMF3100	SMD PLCC-2	Soft orange	598	605	611	28	90		10					2.0	2.6	60	Standard
VLMF31Q2T1	SMD PLCC-2	Soft orange	598	605	611	90	200	355	20					2.0	2.6	60	Standard
VLMF31S1T1	SMD PLCC-2	Soft orange	598	605	611	180	206	355	20					2.0	2.6	60	Standard
VLMO1300	SMD 0603 ChipLED	Soft orange		605		45	90		20					2.0	2.4	65	Standard
VLMO20J2M1	SMD MiniLED	Soft orange	598	605	611	5.6		22.4	2					1.8	2.2	60	Low current
VLMO20K2L2-35	SMD MiniLED	Soft orange	602		609	9		18	2					1.8	2.2	60	Low current
VLMO2100	SMD MiniLED	Soft orange	598	605	611	3.55	7.3		10					2.1	3	60	Standard
VLMO21J2L1	SMD MiniLED	Soft orange	598	605	611	5.6	7.3	14	10					2.1	3	60	Standard
VLMO233U1AA	SMD MiniLED	Soft orange	600	605	611	450	760	1400	20					2.1	2.6	60	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMO233U2V2-35	SMD MiniLED	Soft orange	602	605	609		560	760	1120		20			
VLMO235U1V2	SMD MiniLED	Soft orange	600	605	611	450	650	1120	20					2.0	2.6	60	Power
VLMO235U2V2-35	SMD MiniLED	Soft orange	602	605	609	560	700	1120	20					2.0	2.6	60	Power
VLMO30K1L2	SMD PLCC-2	Orange	600	605	609	7.1	15	18	2					1.8	2.2	60	Low current
VLMO30K1M2	SMD PLCC-2	Orange	600	605	609	7.1	16	28	2					1.8	2.2	60	Low current
VLMO30L1M2	SMD PLCC-2	Orange	600	605	609	11.2	16.5	28	2					1.8	2.2	60	Low current
VLMO3100	SMD PLCC-2	Soft orange	598	605	611	2.8	8		10					2	2.8	60	Standard
VLMO31J1K2	SMD PLCC-2	Soft orange	598	605	611	4.5	8.6	11.2	10					2.2	2.8	60	Standard
VLMO31J1L2	SMD PLCC-2	Soft orange	598	605	611	4.5	8.6	18	10					2.2	2.8	60	Standard
VLMO31K1L2	SMD PLCC-2	Soft orange	598	605	611	7.1	9	18	10					2.2	2.8	60	Standard
VLMO333U2AB	SMD PLCC-2	Soft orange	600	605	611	560	950	1800	20					2.1	2.6	60	Power
VLMO335U2AA	SMD PLCC-2	Soft orange	600	605	611	560	700	1400	20					2.1	2.6	60	Power
VLMO33R2U2	SMD PLCC-2	Soft orange	600	605	611	140	470	710	30					2.0	2.5	60	Power

LED - YELLOW

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLCY5100 (1)	5 mm	Yellow	585	590	597	3200	7500		50					2.1	2.7	9	Power
TLCY5200	5 mm	Yellow	585	590	597	1350	4000		50					2.1	2.7	15	Power
TLCY6200 (1)	5 mm	Yellow	585	590	597	1350	4000		50					2.1	2.7	15	Power
TLCY6800	5 mm	Yellow	585	590	597	5750	25 000		50					2.1	2.7	4	Power
TLHE44R1S2-26	3 mm	Yellow	583	588	594	112		280	20					1.9	2.6	30	Standard
TLHE4600	3 mm	Yellow	581	588	594	10	26		10					1.9	2.6	60	Standard
TLHE5100 (1)	5 mm	Yellow	581	588	594	750	1800		20					2	2.6	9	Standard
TLHE5800	5 mm	Yellow	581	588	594	1000	3500		20					2	2.6	4	Standard
TLHY4200	3 mm	Yellow	581		594	4	10		10					2.4	3	22	Standard
TLHY4201	3 mm	Yellow	581		594	6.3	15		10					2.4	3	22	Standard
TLHY4205	3 mm	Yellow	581		594	10	20		10					2.4	3	22	Standard
TLHY4400	3 mm	Yellow	581		594	1.6	10		10					2.4	3	30	Standard
TLHY4401	3 mm	Yellow	581		594	2.5	10.5		10					2.4	3	30	Standard
TLHY4405	3 mm	Yellow	581		594	6.3	11		10					2.4	3	30	Standard
TLHY4600	3 mm	Yellow	581		594	0.63	3.5		10					2.4	3	60	Standard
TLHY4601 (1)	3 mm	Yellow	581		594	1	4		10					2.4	3	60	Standard
TLHY4605	3 mm	Yellow	581		594	2.5	5		10					2.4	3	60	Standard
TLHY4900 (1)	3 mm	Yellow	581		594	10	26		10					2.4	3	16	Standard
TLHY5200 (1)	5 mm	Yellow	581		594	10	50		10					2	3	14	Standard
TLHY5400	5 mm	Yellow	581		594	1.6	10		10					2.4	3	30	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLHY5401	5 mm	Yellow	581		594		4	12			10			
TLHY5405	5 mm	Yellow	581		594	6.3	14		10					2.4	3	30	Standard
TLHY6400	5 mm	Yellow	581		594	1.6	10		10					2.4	3	30	Standard
TLHY6401 (1)	5 mm	Yellow	581		594	4	12		10					2.4	3	30	Standard
TLHY6405	5 mm	Yellow	581		594	6.3	14		10					2.4	3	30	Standard
TLL4401	3 mm	Yellow	581	589	594	6.3	17	32	2					1.8	2.2	30	Low current
TLLY4400	3 mm	Yellow	581		594	0.63	1.2		2					2.4	2.9	25	Low current
TLLY4401	3 mm	Yellow	581		594	1	2		2					2.4	2.9	25	Low current
TLLY5400 (1)	5 mm	Yellow	581		594	0.63	1.2		2					2.4	2.9	25	Low current
TLLY5401 (1)	5 mm	Yellow	581		594	1	2		2					2.4	2.9	25	Low current
TLMY1000	SMD 0603	Yellow	580	588	595	3.55	7.5		2					1.8	2.6	80	Low current
TLMY1100	SMD 0603	Yellow	580	589	595	50	80		20					2.1	2.4	80	Standard
TLUY2400	1.8 mm (miniplast)	Yellow	581	586	594	1	8		10					2.4	3	20	Standard
TLUY2401	1.8 mm (miniplast)	Yellow	581	586	594	2.5	6	12.5	10					2.4	3	20	Standard
TLVY4200	3 mm backlighting	Yellow	581		594					10	30		15	2.4	3	85	Standard
TLVY42N1P2-34	3 mm backlighting	Yellow	585		590					28		71	15	2.4	3	85	Standard
TLWY7600	TELUX	Yellow	585	592	597					1000	2800		70	2.1	2.67	30	Standard
TLWY7900	TELUX	Yellow	585	592	597					1000	2800		70	2.1	2.67	45	Standard
TLWY8600	TELUX	Yellow	585	591	597					2000	3200		70	2.1	2.67	30	Power
TLWY8900	TELUX	Yellow	585	591	597					2000	3200		70	2.1	2.67	45	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLDY1235G	SMD dome lens	Yellow	583	589	595		9000	18000	35500		50			
VLDY1235R	SMD dome lens	Yellow	583	589	595	9000	18000	35500	50					2.3	2.7	11	Power
VLDY1535G	SMD dome lens	Yellow	583	589	595	4500	8000	14000	50					2.3	2.7	22	Power
VLDY1535R	SMD dome lens	Yellow	583	589	595	4500	8000	14000	50					2.3	2.7	22	Power
VLMA3100	SMD PLCC-2	Yellow	581	588	594	0.28	0.8		2					2.2	2.9	60	Low current
VLMA3101	SMD PLCC-2	Yellow	581	588	594	0.56		1.4	2					2.2	2.9	60	Low current
VLME2300	SMD MiniLED	Yellow	581	588	594	56	112		20					2.0	2.6	60	Power
VLME23Q2T1	SMD MiniLED	Yellow	581	588	594	90	170	355	20					2	2.6	60	Power
VLME23R2T1	SMD MiniLED	Yellow	581	588	594	140	190	355	20					2	2.6	60	Power
VLME3100	SMD PLCC-2	Yellow	581	588	594	28	75		10					2.0	2.6	60	Standard
VLME3105	SMD PLCC-2	Yellow	581	588	594	56	80	140	10					2.0	2.6	60	Standard
VLME31Q2T1	SMD PLCC-2	Yellow	581	588	594	90	190	355	20					2.0	2.6	60	Standard
VLME31R1S2	SMD PLCC-2	Yellow	581	588	594	112	195	280	20					2.0	2.6	60	Standard
VLME31S1T1	SMD PLCC-2	Yellow	581	588	594	180	210	355	20					2.0	2.6	60	Standard
VLMY10J2K2-4	SMD 0603	Yellow	585	588	590	5.6		11.25	2					1.8	2.6	80	Low current
VLMY1300	SMD 0603 ChipLED	Yellow	584.5		597	28		180	20						2.4	65	Standard
VLMY1301	SMD 0603 ChipLED	Yellow	584.5		597	71		180	20						2.4	65	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMY2000	SMD MiniLED	Yellow	581	588	594		3.55	7.1			2			
VLMY20J1L2	SMD MiniLED	Yellow	581	588	594	4.5		18	2					1.8	2.2	60	Low current
VLMY20K1L2	SMD MiniLED	Yellow	581	588	594	7.1		18	2					1.8	2.2	60	Low current
VLMY2100	SMD MiniLED	Yellow	581	588	594	3.55	7.7		10					2.2	3	60	Standard
VLMY233T2V2	SMD MiniLED	Yellow	583	589	594	355	650	1120	20					2.15	2.6	60	Power
VLMY234ABCA	SMD MiniLED	Yellow	583	589	594	1400	2000	3550	50					2.3	2.8	60	Power
VLMY235T2V1	SMD MiniLED	Yellow	583	589	594	355	520	900	20					2.1	2.6	60	Power
VLMY3000	SMD PLCC-2	Yellow	581	587	594	4.5	11.6		2					1.8	2.2	60	Low current
VLMY3001	SMD PLCC-2	Yellow	581	587	594	7.1	11.8	18	2					1.8	2.2	60	Low current
VLMY30J2L1	SMD PLCC-2	Yellow	581	587	594	5.6	10.6	14	2					1.8	2.2	60	Low current
VLMY30J2M1	SMD PLCC-2	Yellow	581	587	594	5.6	11.6	22.4	2					1.8	2.2	60	Low current
VLMY30K2M1	SMD PLCC-2	Yellow	581	587	594	9	12.3	22.4	2					1.8	2.2	60	Low current
VLMY3100	SMD PLCC-2	Yellow	581	588	594	2.8	11		10					2.1	2.8	60	Standard
VLMY3101	SMD PLCC-2	Yellow	581	588	594	4.5	10	11.2	10					2.1	2.8	60	Standard
VLMY3102	SMD PLCC-2	Yellow	581	588	594	7.1	11	18	10					2.1	2.8	60	Standard
VLMY31J1K2	SMD PLCC-2	Yellow	581	588	594	4.5	7.6	11.2	10					2.1	2.8	60	Standard
VLMY31J1L2	SMD PLCC-2	Yellow	581	588	594	4.5	7.6	18	10					2.1	2.8	60	Standard
VLMY31J2K2	SMD PLCC-2	Yellow	581	588	594	5.6	7.8	11.2	10					2.1	2.8	60	Standard
VLMY31K1L2	SMD PLCC-2	Yellow	581	588	594	7.1	8.6	18	10					2.1	2.8	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm $^\circ$)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMY333U1AA	SMD PLCC-2	Yellow	583	589	594	450	750	1400	20					2.15	2.6	60	Power
VLMY334BACB	SMD PLCC-2	Yellow	583	589	594	1800	2300	4500	50					2.3	2.8	60	Power
VLMY335U1V2	SMD PLCC-2	Yellow	583	589	594	450	600	1120	20					2.15	2.6	60	Power
VLMY33R2U2	SMD PLCC-2	Yellow	583	588	594	140	425	710	30					2.0	2.5	60	Power
VLMY33T1U2	SMD PLCC-2	Yellow	583	588	594	280	425	710	30					2.0	2.5	60	Power
VLRE31R1S2	SMD reverse gullwing	Yellow	581	588	594	112		285	20					2.1	2.3	60	Standard
VLWY9930	TELUX	Yellow	585	592	597					4000	8500	12 200	70	2.2	3.03	45	Power
VLWY9932 (1)	TELUX	Yellow	587	592	597					6000	9000	12 200	70	2.2	2.67	45	Power

LED - YELLOW GREEN

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	(mA)	Min.	Typ.	Max.	Typ.	Max.			
TLCYG5100	5 mm	Yellow green	565	572	576	1350	3500		50					2.2	2.7	9	Power
VLMG1300	SMD 0603 ChipLED	Yellow green		571		18	35		20					2.0	2.4	65	Standard
VLMYG30H2K1	SMD PLCC-2	Yellow green	566	574	575	3.55	4.2	9.00	2					1.9	2.2	60	Low current
VLMYG33P1Q2	SMD PLCC-2	Yellow green	566	570	577	45	90	112	30					2.0	2.5	60	Power
VLRYG31P1Q2	SMD reverse gullwing	Yellow green	564.5	571	576.5	45	72	112.5	20					2.1	2.3	60	Standard
VLRYG31Q1R2	SMD reverse gullwing	Yellow green	564.5	571	576.5	71.5	112	180	20					2.1	2.3	60	Standard

LED - WHITE

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLHW5100	5 mm	White		0.33, 0.33		5600		11 200	20					3.6	10	Standard	
VLMW1300	SMD 0603 ChipLED	White		0.294, 0.286		45		180	5					3.15	65	Standard	
VLMW1301	SMD 0603 ChipLED	White		0.294, 0.286		90		180	5					3.00	65	Standard	
VLMW1500	SMD 0402 ChipLED	White		0.304, 0.300		45	90	180	5				2.90	3.05	65	Standard	
VLMW1501	SMD 0402 ChipLED	White		0.294, 0.286		71	90	180	5				2.90	3.05	65	Standard	
VLMW1502	SMD 0402 ChipLED	White		0.314, 0.315		71	90	180	5				2.90	3.05	65	Standard	
VLMW1503	SMD 0402 ChipLED	White		0.304, 0.300		71	90	180	5				2.90	3.05	65	Standard	
VLMW33S2V1-5K8L	SMD PLCC-2	White		0.33, 0.33		224	635	900	20					3.7	4.2	60	Power
VLMW33U2AA-5K8L	SMD PLCC-2	White		0.33, 0.33		560	650	1400	20					3.7	4.2	60	Power
VLMW41R1T1-5K8L	SMD PLCC-2	White		0.33, 0.33		112	275	355	10					3.3	4.2	60	Standard
VLMW41R1T1-7K8L	SMD PLCC-2	White		0.345, 0.352		112	275	355	10					3.3	4.2	60	Standard
VLMW41S1T1-5K8L	SMD PLCC-2	White		0.33, 0.33		180	275	355	10					3.3	4.2	60	Standard
VLMW41S1T1-8K8L	SMD PLCC-2	White		0.33, 0.33		180	275	355	10					3.3	4.2	60	Standard
VLMW41S1T2-5K6L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-6K7L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-7K8L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-JKKL	SMD PLCC-2	White		0.30, 0.28		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-JKPL	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-KKLL	SMD PLCC-2	White		0.31, 0.30		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-LKML	SMD PLCC-2	White		0.32, 0.31		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-MKNL	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMW41S1T2-NKOL	SMD PLCC-2	White		0.34, 0.34		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-OKPL	SMD PLCC-2	White		0.35, 0.36		180	275	450	10					3.3	4.2	60	Standard
VLMW45R1S1-5K6L	SMD PLCC-2	White		0.33, 0.33		112	160	224	5					3.3	4.2	60	Standard

LED - BICOLOR LEDS

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	(mA)	Min.	Typ.	Max.	Typ.	Max.			
TLUV5300	5 mm	Red	612		625	1	2.5		10					2	3	30	Bicolor
	5 mm	Green	552		575	1	2.5		10					2.4	3	30	Bicolor
VLMKE3400 VLMKE3401	SMD PLCC-4	Red		630		56		180	20					1.9	2.6	60	Bicolor
	SMD PLCC-4	Yellow	581	588	594	90		280	20					2	2.6	60	Bicolor
VLMKG3400	SMD PLCC-4	Super red	627	633	639	56		140	20					1.9	2.6	60	Bicolor
	SMD PLCC-4	Green	564	570	575	35.5		90	20					2.0	2.6	60	Bicolor
VLMV3100	SMD PLCC-3	Red	612	620	625	2.8	12		10					2.0	3	60	Bicolor
	SMD PLCC-3	Green	562	571	575	2.8	14		10					2.1	3	60	Bicolor

VLMRGB6112.. PRODUCT INFORMATION

Multi SMD LED RGB

FEATURES

- Utilizing high brightness AlInGaP and InGaN chip technologies
- 6 pin RGB SMD LED package allows independent control of each chip
- Compact package outline dimensions (L x W x H in mm): 3.5 x 2.8 x 1.45

APPLICATIONS

- Automotive, interior lighting
- Wide range of accent and decorative lighting
- Displays: full color message and displays video boards



Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
		Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
SMD PLCC-6	Blue	463	469	476	180	230	450	20					3.0	3.6	60	RGB
SMD PLCC-6	True green	519	526	534	900	1030	1800	20					3.1	3.6	60	RGB
SMD PLCC-6	Red	618	624	629	560	730	920	20					2.0	2.4	60	RGB









LED - ULTRAVIOLET













Part Number	Package	Color	Wavelength (nm)			Radiant Intensity (mW/sr)			I _F for I _e (mA)	Radiant Power (mW)			I _F for Φ _e (mA)	Forward Voltage, V _F		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMU1610-365-135	SMD ceramic mid power	Ultraviolet	362.5	367	370					14	23	26	20	3.5	4.0	67.5	mid power UV LED
VLMU3100	SMD PLCC-2	Ultraviolet	400	405	410	1.8	2.5	3	20					3.2	3.8	60	standard
VLMU3500-385-060	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	30	high power UV LED
VLMU3500-385-060-L	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	30	high power UV LED
VLMU3500-385-120	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	60	high power UV LED
VLMU3500-385-120-L	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	60	high power UV LED
VLMU3500-395-060	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	30	high power UV LED
VLMU3500-395-060-L	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	30	high power UV LED
VLMU3500-395-120	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	60	high power UV LED
VLMU3500-395-120-L	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	60	high power UV LED
VLMU3500-405-060	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	30	high power UV LED
VLMU3500-405-060-L	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	30	high power UV LED













Part Number	Package	Color	Wavelength (nm)			Radiant Intensity (mW/sr)			I _F for I _e (mA)	Radiant Power (mW)			I _F for Φ _e (mA)	Forward Voltage, V _F		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMU3500-405-120	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	60	high power UV LED
VLMU3500-405-120-L	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	60	high power UV LED
VLMU3510-365-130	SMD ceramic high power	Ultraviolet	362.5	367	370					560	690	835	500	4.0	4.4	65	high power UV LED
VLMU3511-365-130	SMD ceramic high power	Ultraviolet	360	367	370					835	1000	1325	600	3.6	4.0	65	high power UV LED
VLMU3520-385-060	SMD ceramic high power	Ultraviolet	380	385	390					740	900		500	3.6	4.0	30	high power UV LED
VLMU3520-385-120	SMD ceramic high power	Ultraviolet	380	385	390					780	930		500	3.6	4.0	60	high power UV LED
VLMU3520-395-060	SMD ceramic high power	Ultraviolet	390	395	400					740	900		500	3.6	4.0	30	high power UV LED
VLMU3520-395-120	SMD ceramic high power	Ultraviolet	390	395	400					780	930		500	3.6	4.0	60	high power UV LED
VLMU3520-405-060	SMD ceramic high power	Ultraviolet	400	405	410					740	900		500	3.6	4.0	30	high power UV LED
VLMU3520-405-120	SMD ceramic high power	Ultraviolet	400	405	410					780	930		500	3.6	4.0	60	high power UV LED
VLMU35CB20-275-120	SMD ceramic	Ultraviolet	270	273	280					10	13.5		120	6.2	7.5	60	standard power UV LED
VLMU35CB21-275-120	SMD ceramic	Ultraviolet	270	273	280					12	13.5		120	6.2	7.0	60	standard power UV LED
VLMU35CL20-275-120	SMD ceramic	Ultraviolet	265	277	285					2.0	3.0		20	6.0	7.0	60	standard power UV LED
VLMU35CT20-275-120	SMD ceramic	Ultraviolet	270	274	280					16.5	21.5		180	6.3	7.0	60	standard power UV LED













Part Number	Package	Color	Wavelength (nm)			Radiant Intensity (mW/sr)			I _F for I _e (mA)	Radiant Power (mW)			I _F for Φ _e (mA)	Forward Voltage, V _F		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMU35CT21-275-120	SMD ceramic	Ultraviolet	270	274	280					18.5	21.5		180	6.3	7.0	60	standard power UV LED













INFRARED EMITTERS














Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
CQY36N		leaded	T- $\frac{3}{4}$	\varnothing 1.8	950	1.5	55	800	
CQY37N		leaded	T- $\frac{3}{4}$	\varnothing 1.8	950	5	12	800	
TB9408VA		chip	chip	0.2 x 0.2 x 0.19	940	4.0	80	15	3.5
TB9414VA		chip	chip	0.37 x 0.37 x 0.19	940	4.3	80	15	21
TS8510VB		chip	Chip	0.260 x 0.260 x 0.17	855	n/a	60	10	18
TS8514VB		chip	Chip	0.355 x 0.355 x 0.17	855	n/a	60	10	38
TS9410VB		chip	Chip	0.260 x 0.260 x 0.17	940	n/a	60	10	20
TS9414VB		chip	Chip	0.355 x 0.355 x 0.17	940	n/a	60	10	40












Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
TSAL4400		leaded	T-1	∅ 3	940	36	25	15	
TSAL6100		leaded	T-1¼	∅ 5	940	170	10	15	
TSAL6100UL		leaded	T-1¼	∅ 5	940	170	10	15	
TSAL6102		leaded	T-1¼	∅ 5	940	220	10	15	
TSAL6200		leaded	T-1¼	∅ 5	940	72	17	15	
TSAL6400		leaded	T-1¼	∅ 5	940	50	25	15	
TSAL7200		leaded	T-1¼	∅ 5	940	72	17	15	
TSFF5210		leaded	T-1¼	∅ 5	870	180	10	15	
TSFF5410		leaded	T-1¼	∅ 5	870	70	22	15	
TSFF5510		leaded	T-1¼	∅ 5	870	32	38	15	
TSFF6210		leaded	T-1¼	∅ 5	870	180	10	15	
TSFF6410		leaded	T-1¼	∅ 5	870	70	22	15	







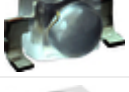





Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
TSHA4400		leaded	T-1	∅ 3	875	20	20	600	
TSHA4401		leaded	T-1	∅ 3	875	30	20	600	
TSHA5200		leaded	T-1¼	∅ 5	875	40	12	600	
TSHA5201		leaded	T-1¼	∅ 5	875	50	12	600	
TSHA5202		leaded	T-1¼	∅ 5	875	60	12	600	
TSHA5203		leaded	T-1¼	∅ 5	875	65	12	600	
TSHA5500		leaded	T-1¼	∅ 5	875	30	24	600	
TSHA6200		leaded	T-1¼	∅ 5	875	40	12	600	
TSHA6201		leaded	T-1¼	∅ 5	875	50	12	600	
TSHA6202		leaded	T-1¼	∅ 5	875	60	12	600	
TSHA6203		leaded	T-1¼	∅ 5	875	65	12	600	
TSHA6203UL		leaded	T-1¼	∅ 5	875	65	12	600	

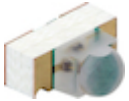





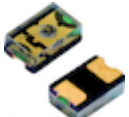



Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
TSHA6500		leaded	T-1 $\frac{3}{4}$	\varnothing 5	875	30	24	600	
TSHF5210		leaded	T-1 $\frac{3}{4}$	\varnothing 5	890	180	10	30	
TSHF5410		leaded	T-1 $\frac{3}{4}$	\varnothing 5	890	70	22	30	
TSHF6210		leaded	T-1 $\frac{3}{4}$	\varnothing 5	890	180	10	30	
TSHF6410		leaded	T-1 $\frac{3}{4}$	\varnothing 5	890	70	22	30	
TSHG5210		leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	230	10	20	
TSHG5410		leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	90	18	20	
TSHG5510		leaded	T-1 $\frac{3}{4}$	\varnothing 5	830	32	38	15	
TSHG6200		leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	180	10	20	
TSHG6210		leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	230	10	20	
TSHG6400		leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	70	22	20	
TSHG6410		leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	90	18	20	














Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
TSHG8200		leaded	T-1¾	∅ 5	830	180	10	20	
TSHG8400		leaded	T-1¾	∅ 5	830	70	22	20	
TSMF1000, TSMF102									
TSML1000		surface-mount	Reverse gullwing	2.5 x 2 x 2.7	940	11	12	15	
TSML1020		surface-mount	Gullwing	2.5 x 2 x 2.7	940	11	12	15	
TSML1030		surface-mount	Yoke	2.5 x 2 x 2.7	940	11	12	15	
TSML1040		surface-mount	Axial leads	2.5 x 2 x 2.7	940	11	12	15	
TSSF4500		leaded	Side view lens	4.5 x 4 x 4.8	890	20	22	30	
TSSS2600		leaded	Side view lens	3.6 x 2.2 x 5	950	2.6	25	800	
TSTA7100		leaded	TO-18	∅ 4.7	875	50	5	600	
TSTA7300		leaded	TO-18	∅ 4.7	875	20	12	600	
TSTA7500		leaded	TO-18		875	6	30	600	














Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
TSTS7100		leaded	TO-18	∅ 4.7	950	> 10	5	800	
TSTS7300		leaded	TO-18	∅ 4.7	950	6.3	12	800	
TSTS7500		leaded	TO-18	∅ 4.7	950	1.6	30		
VSLB3940		leaded	T-1	∅ 3	940	65	22	15	
VSLB3948		leaded	T-1	∅ 3	940	65	22	15	
VSLB4940		leaded	T-1	∅ 3	940	65	22	15	
VSLY3850		leaded	T-1	∅ 3	850	70	18	10	
VSLY3943		leaded	T-1	∅ 3	940	70	17	5	
VSLY5850		leaded	T-1¼	∅ 5	850	600	3	10	
VSLY5940		leaded	T-1¼	∅ 5	940	600	3	10	
VSMA1085250		surface-mount	High power with lens	3.4 x 3.4 x 2.9	860	1350 850	28	850 10	
VSMA1085400		surface-mount	High power with lens	3.4 x 3.4 x 2.45	860	925 850	40	850 10	
VSMA1085600		surface-mount	High power with lens	3.4 x 3.4 x 1.8	860	490 850	60	850 10	



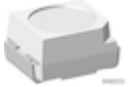
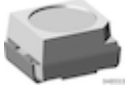
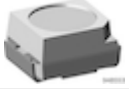
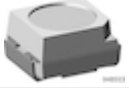





Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
VSMA1094250		surface-mount	High power with lens	3.4 x 3.4 x 2.9	950	1250 940	28	940 10	
VSMA1094400		surface-mount	High power with lens	3.4 x 3.4 x 2.45	950	850 940	40	940 10	
VSMA1094600		surface-mount	High power with lens	3.4 x 3.4 x 1.8	950	460 940	60	940 10	
VSMB10940		surface mount	side view	3 x 2 x 1	940	1	75	15	
VSMB10941X01		surface-mount	Side view lens	3 x 2 x 1	940	1	75	15	
VSMB14940		surface mount	Side view lens	3.2 x 2.51 x 1.2	940	35	9	15	
VSMB1940ITX01		surface mount	0805	2 x 1.25 x 0.85	940	6	60	15	
VSMB1940X01		surface mount	0805	2 x 1.25 x 0.85	940	6	60	15	
VSMB2000X01		surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	40	12	15	
VSMB2020X01		surface mount	Gullwing	2.3 x 2.3 x 2.8	940	40	12	15	
VSMB294008G		surface mount	Gullwing	2.3 x 2.3 x 2.8	940	70	7	15	











Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
VSMB294008RG		surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	70	7	15	
VSMB2943GX01		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2943RGX01		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2943SLX01		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	20	25	15	
VSMB2948G		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2948RG		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2948SL		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	20	25	15	
VSMB3940X01		surface mount	PLCC-2	3.5 x 2.8 x 1.75	940	13	60	15	
VSMD66694		surface mount	square PCB	2 x 2 x 0.87	660	2.3	60	10	
VSML3710		surface mount	PLCC-2	3.5 x 2.8 x 1.75	940	9.5	60	15	
VSMY12850		surface mount	Top view	3.2 x 1.6 x 1.1	850	16	40	10	
VSMY12940		surface mount	Top view	3.2 x 1.6 x 1.1	940	16	40	10	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
VSMY14940		surface-mount	Side view lens	3.0 x 2.51 x 1.2	940	90	9	5	
VSMY1850		surface mount	0805	2 x 1.25 x 0.85	850	10	60	10	
VSMY1850ITX01		surface mount	0805	2 x 1.25 x 0.85	850	10	60	10	
VSMY1850X01		surface mount	0805	2 x 1.25 x 0.85	850	10	60	10	
VSMY1940ITX01		surface mount	0805	2 x 1.25 x 0.85	940	10	60	10	
VSMY1940X01		surface mount	0805	2 x 1.25 x 0.85	940	10	60	10	
VSMY1943X01		surface-mount	0805	2 x 1.25 x 0.85	940	6	60	5	
VSMY2850G		surface-mount	Gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2850GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2850RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	850	125	10	10	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
VSMY2850RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2853G		surface-mount	Gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853SL		surface-mount	Side view lens	2.3 x 2.55 x 2.3	850	50	28	10	
VSMY2853SLX01		surface-mount	Side view lens	2.3 x 2.55 x 2.3	850	50	28	10	
VSMY2890GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	890	135	10	15	
VSMY2890RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	890	135	10	15	
VSMY2893GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.55	890	50	28	15	
VSMY2893RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	890	50	28	15	
VSMY2893SLX01		surface-mount	Side view lens	2.3 x 2.3 x 2.55	890	50	28	15	
VSMY2940G		surface-mount	Gullwing	2.3 x 2.3 x 2.8	940	145	10	10	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
VSMY2940GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	940	145	10	10	
VSMY2940RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	145	10	10	
VSMY2940RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	145	10	10	
VSMY2941GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	940	160	8	5	
VSMY2941RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	160	8	5	
VSMY294310G		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	25	25	10	
VSMY294310RG		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	25	25	10	
VSMY294310SL		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	25	25	10	
VSMY2943G		surface-mount	Gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943GX01		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943RGX01		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943SL		surface-mount	Side view lens	2.3 x 2.55 x 2.3	940	50	28	10	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
VSMY2943SLX01		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	50	28	10	
VSMY3850		surface mount	PLCC-2	3.5 x 2.8 x 1.75	850	17	60	10	
VSMY385010		surface mount	PLCC-2	3.5 x 2.8 x 1.75	850	9	60	10	
VSMY385010X01		surface-mount	PLCC-2	3.5 x 2.8 x 1.75	850	12	60	7	
VSMY3850X01		surface-mount	PLCC-2	3.5 x 2.8 x 1.75	850	17	60	10	
VSMY3890X01		surface-mount	PLCC-2	3.5 x 2.8 x 1.75	890	18	60	10	
VSMY3940X01		surface mount	PLCC-2	3.5 x 2.8 x 1.75	940	15	60	10	
VSMY4850X01		surface-mount	0805	2 x 1.25 x 0.8	850	8	60	7	
VSMY5850		surface-mount	0805	2 x 1.25 x 0.8	850	13	60	7	
VSMY5850X01		surface-mount	0805	2 x 1.25 x 0.8	850	13	60	7	
VSMY5890		surface-mount	0805	2 x 1.25 x 0.8	890	13	60	7	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
VSMY5890X01		surface-mount	0805	2 x 1.25 x 0.8	890	13	60	7	
VSMY5940		surface-mount	0805	2 x 1.25 x 0.8	940	13	60	7	
VSMY5940X01		surface-mount	0805	2 x 1.25 x 0.8	940	13	60	7	
VSMY98145DS		surface mount	High power with lens	3.85 x 3.85 x 2.24	810	500	45	30	
VSMY98525DS		surface-mount	High power with lens	3.85 x 3.85 x 3.00	850	1000	25	14	
VSMY98545		surface mount	High power with lens	3.85 x 3.85 x 2.24	850	380	45	15	
VSMY9854535		surface mount	High power with lens	3.85 x 3.85 x 2.24	850	370	45	15	
VSMY98545ADS		surface mount	High power with lens	3.85 x 3.85 x 2.24	850	630	45	14	
VSMY9857535		surface mount	High power with lens	3.85 x 3.85 x 1.51	850	180	75	30	
VSMY98575ADS		surface-mount	High power with lens	3.85 x 3.85 x 1.51	850	320	75	14	

LED - STANDARD LEDS

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLDR4400	3 mm	Red		648			25	45			20			
TLDR4900	3 mm	Red		648		63	200		20					1.8	2.2	16	Standard
TLDR4901	3 mm	Red		648		63		200	20					1.8	2.2	16	Standard
TLDR5400	5 mm	Red		648		35	70		20					1.8	2.2	30	Standard
TLDR5800	5 mm	Red		648		1000	2500		20					1.8	2.2	4	Standard
TLDR6400	5 mm	Red		648		35	70		20					1.8	2.2	30	Standard
TLDR6800	5 mm	Red		648		1000	2500		20					1.8	2.2	4	Standard
TLHA44R1S2	3 mm	Amber	612	617	625	112		280	20					2	2.6	30	Standard
TLHE44R1S2-26	3 mm	Yellow	583	588	594	112		280	20					1.9	2.6	30	Standard
TLHE4600	3 mm	Yellow	581	588	594	10	26		10					1.9	2.6	60	Standard
TLHE5100 (1)	5 mm	Yellow	581	588	594	750	1800		20					2	2.6	9	Standard
TLHE5800	5 mm	Yellow	581	588	594	1000	3500		20					2	2.6	4	Standard
TLHF4600	3 mm	Soft orange	598	605	611	10	26		10					2.0	2.6	60	Standard
TLHF4601	3 mm	Soft orange	602		609	40		125	10					2.0	2.6	60	Standard
TLHF4900	3 mm	Soft orange	598	605	611	63	300		10					1.9	2.6	16	Standard
TLHG4200	3 mm	Green	562		575	6.3	10		10					2.4	3	22	Standard
TLHG4201	3 mm	Green	562		575	10	15		10					2.4	3	22	Standard
TLHG4205	3 mm	Green	562		575	16	20		10					2.4	3	22	Standard
TLHG4400	3 mm	Green	562		575	2.5	13		10					2.4	3	30	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	Max.				
			TLHG4401	3 mm	Green	562		575	4	14		10					2.4
TLHG4405	3 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG44K1M2	3 mm	Green	562		575									2.1	2.6	30	Standard
TLHG4600	3 mm	Green	562		575	1	4		10					2.4	3	60	Standard
TLHG4605	3 mm	Green	562		575	4	6		10					2.4	3	60	Standard
TLHG4900	3 mm	Green	562		575	16	37		10					2.4	3	16	Standard
TLHG5200 (1)	5 mm	Green	562		575	16	40		10					2	3	14	Standard
TLHG5201 (1)	5 mm	Green	562		575	25	45		10					2	3	14	Standard
TLHG5201	5 mm	Green	562		575	25	45		10					2	3	14	Standard
TLHG5205 (1)	5 mm	Green	562		575	40	50		10					2	3	14	Standard
TLHG5400	5 mm	Green	562		575	1.6	10		10					2.4	3	30	Standard
TLHG5401	5 mm	Green	562		575	4	12		10					2.4	3	30	Standard
TLHG5405	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG5405-KSZ	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHG6400	5 mm	Green	562		575	1.6	10		10					2.4	3	30	Standard
TLHG6401	5 mm	Green	562		575	4	12		10					2.4	3	30	Standard
TLHG6405	5 mm	Green	562		575	6.3	15		10					2.4	3	30	Standard
TLHK4200	3 mm	Red		630		25	100		10					1.9	2.6	22	Standard
TLHK42S1T2	3 mm	Red		630		180		450	20					1.9	2.6	22	Standard
TLHK42T1U2 (1)	3 mm	Red		630		280	360	710	20					1.9	2.6	22	Standard
TLHK4400L	3 mm	Red	626	630	639	16	70		10					1.9	2.6	30	Standard
TLHK44R1S2	3 mm	Red		630		112	180	280	20					1.9	2.6	30	Standard
TLHK4600	3 mm	Red		630		6.3	15		10					1.9	2.6	60	Standard
TLHK46Q1R2	3 mm	Red		630		71		180	20					2.0	2.6	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLHK5100	5 mm	Red	626	630	639		320	1400			20			
TLHK5800	5 mm	Red		630		1000	5500		20					1.9	2.6	4	Standard
TLHO4200	3 mm	Soft orange	598		611	4	10		10					2.4	3	22	Standard
TLHO4201	3 mm	Soft orange	598		611	10	18		10					2.4	3	22	Standard
TLHO42M1N2	3 mm	Soft orange	598		611	18		45	10					2.2	2.6	22	Standard
TLHO4400	3 mm	Soft orange	598		611	1.6	13		10					2.4	3	30	Standard
TLHR4200	3 mm	Red	612		625	4	8		10					2	3	22	Standard
TLHR4201	3 mm	Red	612		625	6.3	10		10					2	3	22	Standard
TLHR4205	3 mm	Red	612		625	10	15		10					2	3	22	Standard
TLHR4400	3 mm	Red	612		625	1.6	13		10					2	3	30	Standard
TLHR4401	3 mm	Red	612		625	2.5	14		10					2	3	30	Standard
TLHR4405	3 mm	Red	612		625	6.3	15		10					2	3	30	Standard
TLHR4600	3 mm	Red	612		625	1	4		10					2	3	60	Standard
TLHR4605	3 mm	Red	612		625	2.5	6		10					2	3	60	Standard
TLHR4900	3 mm	Red	612		625	6.3	25		10					2	3	16	Standard
TLHR5200	5 mm	Red	612		630	10	50		10					2	3	14	Standard
TLHR5201 (1)	5 mm	Red	612		630	16	60		10					2	3	14	Standard
TLHR5205 (1)	5 mm	Red	612		630	25	70		10					2	3	14	Standard
TLHR5400	5 mm	Red	612		630	1.6	10		10					2	3	30	Standard
TLHR5401	5 mm	Red	612		630	4	12		10					2	3	30	Standard
TLHR5405	5 mm	Red	612		630	6.3	14		10					2	3	30	Standard
TLHR5405-KS21	5 mm	Red	612		630	6.3	14		10					2	3	30	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLHR5405-KSZ	5 mm	Red	612		630	6.3	14	10					2	3	30	Standard	
TLHR6400	5 mm	Red	612		630	1.6	10	10					2	3	30	Standard	
TLHR6401	5 mm	Red	612		630	4	12	10					2	3	30	Standard	
TLHR6405	5 mm	Red	612		630	6.3	14	10					2	3	30	Standard	
TLHY4200	3 mm	Yellow	581		594	4	10	10					2.4	3	22	Standard	
TLHY4201	3 mm	Yellow	581		594	6.3	15	10					2.4	3	22	Standard	
TLHY4205	3 mm	Yellow	581		594	10	20	10					2.4	3	22	Standard	
TLHY4400	3 mm	Yellow	581		594	1.6	10	10					2.4	3	30	Standard	
TLHY4401	3 mm	Yellow	581		594	2.5	10.5	10					2.4	3	30	Standard	
TLHY4405	3 mm	Yellow	581		594	6.3	11	10					2.4	3	30	Standard	
TLHY4600	3 mm	Yellow	581		594	0.63	3.5	10					2.4	3	60	Standard	
TLHY4601 (1)	3 mm	Yellow	581		594	1	4	10					2.4	3	60	Standard	
TLHY4605	3 mm	Yellow	581		594	2.5	5	10					2.4	3	60	Standard	
TLHY4900 (1)	3 mm	Yellow	581		594	10	26	10					2.4	3	16	Standard	
TLHY5200 (1)	5 mm	Yellow	581		594	10	50	10					2	3	14	Standard	
TLHY5400	5 mm	Yellow	581		594	1.6	10	10					2.4	3	30	Standard	
TLHY5401	5 mm	Yellow	581		594	4	12	10					2.4	3	30	Standard	
TLHY5405	5 mm	Yellow	581		594	6.3	14	10					2.4	3	30	Standard	
TLHY6400	5 mm	Yellow	581		594	1.6	10	10					2.4	3	30	Standard	
TLHY6401 (1)	5 mm	Yellow	581		594	4	12	10					2.4	3	30	Standard	
TLHY6405	5 mm	Yellow	581		594	6.3	14	10					2.4	3	30	Standard	
TLMG1100	SMD 0603	Green	564	570	575	12.5	35	20					2.1	2.4	80	Standard	
TLMO1100	SMD 0603	Orange	600	606	9	50	80	20					2.1	2.4	80	Standard	
TLMP1100	SMD 0603	Pure green	551	561	566	6.3	15	20					2.1	2.4	80	Standard	

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLMS1100	SMD 0603	Red	627	633	639	32	63		20					2.1	2.4	80	Standard
TLMY1100	SMD 0603	Yellow	580	589	595	50	80		20					2.1	2.4	80	Standard
TLUG2400	1.8 mm (mini-plast)	Green	562	568	575	1.6	10		10					2.4	3	20	Standard
TLUG2401	1.8 mm (mini-plast)	Green	562	568	575	4	12	20	10					2.4	3	20	Standard
TLUO2400 (1)	1.8 mm (mini-plast)	Red	612	618	625	1.6	11		10					2	3	20	Standard
TLUO2401	1.8 mm (mini-plast)	Red	612	618	625	4	10	20	10					2	3	20	Standard
TLUR2400	1.8 mm (mini-plast)	Red		630		4	15		10					2	3	20	Standard
TLUR2401	1.8 mm (mini-plast)	Red		630		4		32	10					2	3	20	Standard
TLUR4400	3 mm	Red		630		4	15		10					2	3	30	Standard
TLUR4401	3 mm	Red		630		4		32	10					2	3	30	Standard
TLUY2400	1.8 mm (mini-plast)	Yellow	581	586	594	1	8		10					2.4	3	20	Standard
TLUY2401	1.8 mm (mini-plast)	Yellow	581	586	594	2.5	6	12.5	10					2.4	3	20	Standard
TLVD4200	3 mm backlighting	Red		640						40	130		15	1.8	2.2	85	Standard
TLVD42Q1S2 (1)	3 mm backlighting	Red	630	640	650					71	80	280	15	1.8	2.2	85	Standard
TLVD42R1S2	3 mm backlighting	Red	630	640	650					112	130	280	15	1.8	2.2	85	Standard
TLVG4200	3 mm backlighting	Green	562		575					10	30		15	2.4	3	85	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLVH4200 (1)	3 mm backlighting	Red	612		625							10		
TLVP4200 (1)	3 mm backlighting	Pure green	555		565					4	20		15	2.4	3	85	Standard
TLVP4201 (1)	3 mm backlighting	Pure green	555		565					16	30		15	2.4	3	85	Standard
TLVP4202	3 mm backlighting	Pure green	555		565					6.3	30		15	2.4	3	85	Standard
TLVY4200	3 mm backlighting	Yellow	581		594					10	30		15	2.4	3	85	Standard
TLVY42N1P2-34	3 mm backlighting	Yellow	585		590					28		71	15	2.4	3	85	Standard
TLWR7600	TELUX	Red	611	618	634					1500	2800		70	2.2	2.67	30	Standard
TLWR7900	TELUX	Red	611	618	634					1500	2800		70	2.2	2.67	45	Standard
TLWY7600	TELUX	Yellow	585	592	597					1000	2800		70	2.1	2.67	30	Standard
TLWY7900	TELUX	Yellow	585	592	597					1000	2800		70	2.1	2.67	45	Standard
VLHW5100	5 mm	White		0.33, 0.33		5600		11 200	20						3.6	10	Standard
VLMB1300	SMD 0603 ChipLED	Blue	465		475	28		180	20						3.8	65	Standard
VLMB1302	SMD 0603 ChipLED	Blue	465		475	45		112	20						3.8	65	Standard
VLMB1310	SMD 0603 ChipLED	Blue	465		475	28		180	20						3.8	65	Standard
VLMB41P1Q2	SMD PLCC-2	Blue	462	469	476	45	90	112	10					3.2	4.2	60	Standard
VLMB41P2Q2	SMD PLCC-2	Blue	462	469	476	56	90	112	10					3.2	4.2	60	Standard
VLMD3100	SMD PLCC-2	Red		648		11.2	22		10					1.8	2.2	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMD3101	SMD PLCC-2	Red		648		18	23	45	10					1.8	2.2	60	Standard
VLMD3105	SMD PLCC-2	Red		648		11.2	22	28	10					1.8	2.2	60	Standard
VLMD31L2N1	SMD PLCC-2	Red		648		14	22	35.5	10					1.8	2.2	60	Standard
VLMD31L2P1	SMD PLCC-2	Red		648		14	22	56	10					1.8	2.2	60	Standard
VLMD31M2P1	SMD PLCC-2	Red		648		22.4	25	56	10					1.8	2.2	60	Standard
VLME3100	SMD PLCC-2	Yellow	581	588	594	28	75		10					2.0	2.6	60	Standard
VLME3105	SMD PLCC-2	Yellow	581	588	594	56	80	140	10					2.0	2.6	60	Standard
VLME31Q2T1	SMD PLCC-2	Yellow	581	588	594	90	190	355	20					2.0	2.6	60	Standard
VLME31R1S2	SMD PLCC-2	Yellow	581	588	594	112	195	280	20					2.0	2.6	60	Standard
VLME31S1T1	SMD PLCC-2	Yellow	581	588	594	180	210	355	20					2.0	2.6	60	Standard
VLMF3100	SMD PLCC-2	Soft orange	598	605	611	28	90		10					2.0	2.6	60	Standard
VLMF31Q2T1	SMD PLCC-2	Soft orange	598	605	611	90	200	355	20					2.0	2.6	60	Standard
VLMF31S1T1	SMD PLCC-2	Soft orange	598	605	611	180	206	355	20					2.0	2.6	60	Standard
VLMG1300	SMD 0603 ChipLED	Yellow green		571		18	35		20					2.0	2.4	65	Standard
VLMG21J2L1	SMD MiniLED	Green	562	572	575	5.6	11.5	14	10					2.1	2.8	60	Standard
VLMG21J2M1	SMD MiniLED	Green	562	572	575	5.6	12	22.4	10					2.1	2.8	60	Standard
VLMG21K1L2	SMD MiniLED	Green	562	572	575	7.1	12	18	10					2.1	2.8	60	Standard
VLMG3100	SMD PLCC-2	Green	562	572	575	4.5	16		10					2.1	2.8	60	Standard
VLMG3102	SMD PLCC-2	Green	562	572	575	11.2	16	18	10					2.1	2.8	60	Standard
VLMG3105	SMD PLCC-2	Green	562	572	575	7.1	16	18	10					2.1	2.8	60	Standard
VLMG31K1L2	SMD PLCC-2	Green	562	572	575	7.1	15	18	10					2.1	2.8	60	Standard
VLMG31K1M2	SMD PLCC-2	Green	562	572	575	7.1	15	28	10					2.1	2.8	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMG31L1M2	SMD PLCC-2	Green	562	572	575	11.2	16	28	10					2.1	2.8	60	Standard
VLMH3100	SMD PLCC-2	Amber	612	619	625	2.8	12		10					2	2.8	60	Standard
VLMH3102	SMD PLCC-2	Amber	612	619	625	7.1	12	18	10					2	2.8	60	Standard
VLMK3100	SMD PLCC-2	Red		630		11.2	50		10					1.9	2.6	60	Standard
VLMK3102	SMD PLCC-2	Red		630		22.4	43	56	10					1.9	2.6	60	Standard
VLMK3105	SMD PLCC-2	Red		630		35.5	50	90	10					1.9	2.6	60	Standard
VLMK31Q1R2	SMD PLCC-2	Red		630		71	138	180	20					1.9	2.6	60	Standard
VLMK31R1S1	SMD PLCC-2	Red		630		112	142	224	20					1.9	2.6	60	Standard
VLMK31R1S2	SMD PLCC-2	Red		630		112	142	280	20					1.9	2.6	60	Standard
VLMK31R2S2	SMD PLCC-2	Red		630		140	160	280	20					1.9	2.6	60	Standard
VLMO1300	SMD 0603 ChipLED	Soft orange		605		45	90		20					2.0	2.4	65	Standard
VLMO2100	SMD MiniLED	Soft orange	598	605	611	3.55	7.3		10					2.1	3	60	Standard
VLMO21J2L1	SMD MiniLED	Soft orange	598	605	611	5.6	7.3	14	10					2.1	3	60	Standard
VLMO3100	SMD PLCC-2	Soft orange	598	605	611	2.8	8		10					2	2.8	60	Standard
VLMO31J1K2	SMD PLCC-2	Soft orange	598	605	611	4.5	8.6	11.2	10					2.2	2.8	60	Standard
VLMO31J1L2	SMD PLCC-2	Soft orange	598	605	611	4.5	8.6	18	10					2.2	2.8	60	Standard
VLMO31K1L2	SMD PLCC-2	Soft orange	598	605	611	7.1	9	18	10					2.2	2.8	60	Standard
VLMP23K2M2	SMD MiniLED	Pure green	555	560	565	9		28	20					2.2	2.6	60	Standard
VLMP23L2M2	SMD MiniLED	Pure green	555	560	565	14		28	20					2.2	2.6	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMP31G2J1	SMD PLCC-2	Pure green	555	560	565		2.24	3.6	5.6		10			
VLMP31H2J2	SMD PLCC-2	Pure green	555	560	565	3.55	4.3	7.1	10					2.1	2.8	60	Standard
VLMPG31L1M2	SMD PLCC-2	Pure green	555	559	565	11.2	18	28	20					2.0	2.6	60	Standard
VLMR31Q2T1	SMD PLCC-2	Amber	612	618	624	90	160	355	20					2.0	2.4	60	Standard
VLMS1300	SMD 0603 ChipLED	Super red		631		18	54		20					2.0	2.4	65	Standard
VLMS2100	SMD MiniLED	Red	624	628	636	2.8	7.0		10					2.1	3	60	Standard
VLMS21H2L1	SMD MiniLED	Red	624	628	636	3.55	7.0	14	10					2.1	3	60	Standard
VLMS21J2L1	SMD MiniLED	Red	624	628	636	5.6	7.0	14	10					2.1	3	60	Standard
VLMS3100	SMD PLCC-2	Red	624	630	636	2.8	7.1		10					2.0	2.6	60	Standard
VLMS31J1K2	SMD PLCC-2	Red	624	630	638	4.5	7.8	11.2	10					1.9	2.6	60	Standard
VLMS31J1L2	SMD PLCC-2	Red	624	630	638	4.5	7.8	18	10					1.9	2.6	60	Standard
VLMS31J2L1	SMD PLCC-2	Red	624	630	638	5.6	8	14	10					1.9	2.6	60	Standard
VLMS31K1L2	SMD PLCC-2	Red	624	630	638	7.1	8.5	18	10					1.9	2.6	60	Standard
VLMTG1300	SMD 0603 ChipLED	True green		525		71		450	20					3.2	3.6	65	Standard
VLMTG41S2U1	SMD PLCC-2	True green	515	530	541	224	380	560	10					3.2	4.2	60	Standard
VLMU3100	SMD PLCC-2	Ultraviolet	400	405	410	1.8	2.5	3	20					3.2	3.8	60	Standard
VLMW1300	SMD 0603 ChipLED	White		0.294, 0.286		45		180	5						3.15	65	Standard
VLMW1301	SMD 0603 ChipLED	White		0.294, 0.286		90		180	5						3.00	65	Standard
VLMW1500	SMD 0402 ChipLED	White		0.304, 0.300		45	90	180	5					2.90	3.05	65	Standard
VLMW1501	SMD 0402 ChipLED	White		0.294, 0.286		71	90	180	5					2.90	3.05	65	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMW1502	SMD 0402 ChipLED	White		0.314, 0.315		71	90	180	5					2.90	3.05	65	Standard
VLMW1503	SMD 0402 ChipLED	White		0.304, 0.300		71	90	180	5					2.90	3.05	65	Standard
VLMW41R1T1-5K8L	SMD PLCC-2	White		0.33, 0.33		112	275	355	10					3.3	4.2	60	Standard
VLMW41R1T1-7K8L	SMD PLCC-2	White		0.345, 0.352		112	275	355	10					3.3	4.2	60	Standard
VLMW41S1T1-5K8L	SMD PLCC-2	White		0.33, 0.33		180	275	355	10					3.3	4.2	60	Standard
VLMW41S1T1-8K8L	SMD PLCC-2	White		0.33, 0.33		180	275	355	10					3.3	4.2	60	Standard
VLMW41S1T2-5K6L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-6K7L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-7K8L	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-JKKL	SMD PLCC-2	White		0.30, 0.28		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-JKPL	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-KKLL	SMD PLCC-2	White		0.31, 0.30		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-LKML	SMD PLCC-2	White		0.32, 0.31		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2- MKNL	SMD PLCC-2	White		0.33, 0.33		180	275	450	10					3.3	4.2	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMW41S1T2-NKOL	SMD PLCC-2	White		0.34, 0.34		180	275	450	10					3.3	4.2	60	Standard
VLMW41S1T2-OKPL	SMD PLCC-2	White		0.35, 0.36		180	275	450	10					3.3	4.2	60	Standard
VLMW45R1S1-5K6L	SMD PLCC-2	White		0.33, 0.33		112	160	224	5					3.3	4.2	60	Standard
VLMY1300	SMD 0603 ChipLED	Yellow	584.5		597	28		180	20						2.4	65	Standard
VLMY1301	SMD 0603 ChipLED	Yellow	584.5		597	71		180	20						2.4	65	Standard
VLMY2100	SMD MiniLED	Yellow	581	588	594	3.55	7.7		10					2.2	3	60	Standard
VLMY3100	SMD PLCC-2	Yellow	581	588	594	2.8	11		10					2.1	2.8	60	Standard
VLMY3101	SMD PLCC-2	Yellow	581	588	594	4.5	10	11.2	10					2.1	2.8	60	Standard
VLMY3102	SMD PLCC-2	Yellow	581	588	594	7.1	11	18	10					2.1	2.8	60	Standard
VLMY31J1K2	SMD PLCC-2	Yellow	581	588	594	4.5	7.6	11.2	10					2.1	2.8	60	Standard
VLMY31J1L2	SMD PLCC-2	Yellow	581	588	594	4.5	7.6	18	10					2.1	2.8	60	Standard
VLMY31J2K2	SMD PLCC-2	Yellow	581	588	594	5.6	7.8	11.2	10					2.1	2.8	60	Standard
VLMY31K1L2	SMD PLCC-2	Yellow	581	588	594	7.1	8.6	18	10					2.1	2.8	60	Standard
VLRE31R1S2	SMD reverse gullwing	Yellow	581	588	594	112		285	20					2.1	2.3	60	Standard
VLRK31Q1R2	SMD reverse gullwing	Red	620	630	635	71		180	20					2.1	2.3	60	Standard
VLRK31R1S2	SMD reverse gullwing	Red	620	630	635	112		285	20					2.1	2.3	60	Standard
VLRYG31P1Q2	SMD reverse gullwing	Yellow green	564.5	571	576.5	45	72	112.5	20					2.1	2.3	60	Standard

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm $^\circ$)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLRYG31Q1R2	SMD reverse gullwing	Yellow green	564.5	571	576.5	71.5	112	180	20					2.1

LED - LOW CURRENT LEDS

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	Max.				
TLLE4401	3 mm	Yellow	581	589	594	6.3	17	32	2					1.8	2.2	30	Low current
TLLG4400	3 mm	Green	562		575	0.63	1.2		2					1.9	2.4	25	Low current
TLLG4401	3 mm	Green	562		575	1	2		2					1.9	2.4	25	Low current
TLLG5400	5 mm	Green	562		575	0.63	1.2		2					1.9	2.4	25	Low current
TLLG5401	5 mm	Green	562		575	1	2		2					1.9	2.4	25	Low current
TLLK4401	3 mm	Super red	626	630	639	6.3	17	32	2					1.8	2.2	30	Low current
TLLR4400	3 mm	Red	612		625	0.63	1.2		2					1.9	2.4	25	Low current
TLLR4401	3 mm	Red	612		625	1	2		2					1.9	2.4	25	Low current
TLLR5400	5 mm	Red	612		625	0.63	1.2		2					1.9	2.4	25	Low current
TLLR5401	5 mm	Red	612		625	1	2		2					1.9	2.4	25	Low current
TLLY4400	3 mm	Yellow	581		594	0.63	1.2		2					2.4	2.9	25	Low current
TLLY4401	3 mm	Yellow	581		594	1	2		2					2.4	2.9	25	Low current
TLLY5400 (1)	5 mm	Yellow	581		594	0.63	1.2		2					2.4	2.9	25	Low current
TLLY5401 (1)	5 mm	Yellow	581		594	1	2		2					2.4	2.9	25	Low current
TLMO1000	SMD 0603	Soft orange	600	605	609	3.55	7.5		2					1.8	2.6	80	Low current
TLMS1000	SMD 0603	Red	624	628	636	1.8	4		2					1.8	2.6	80	Low current
TLMY1000	SMD 0603	Yellow	580	588	595	3.55	7.5		2					1.8	2.6	80	Low current
VLMA3100	SMD PLCC-2	Yellow	581	588	594	0.28	0.8		2					2.2	2.9	60	Low current
VLMA3101	SMD PLCC-2	Yellow	581	588	594	0.56		1.4	2					2.2	2.9	60	Low current
VLMC3100	SMD PLCC-2	Green	562	572	575	0.71	1.6		2					1.9	2.4	60	Low current
VLMC3101	SMD PLCC-2	Green	562	572	575	1.12	1.6		2					1.9	2.4	60	Low current

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMK2000	SMD MiniLED	Amber	612	622	624		7.1	16			2			
VLMK20J2L2	SMD MiniLED	Amber	612	622	624	5.6		18	2				1.8	2.2	60	Low current	
VLMK20K1L2	SMD MiniLED	Amber	612	622	624	7.1		18	2				1.8	2.2	60	Low current	
VLMO20J2M1	SMD MiniLED	Soft orange	598	605	611	5.6		22.4	2				1.8	2.2	60	Low current	
VLMO20K2L2-35	SMD MiniLED	Soft orange	602		609	9		18	2				1.8	2.2	60	Low current	
VLMO30K1L2	SMD PLCC-2	Orange	600	605	609	7.1	15	18	2				1.8	2.2	60	Low current	
VLMO30K1M2	SMD PLCC-2	Orange	600	605	609	7.1	16	28	2				1.8	2.2	60	Low current	
VLMO30L1M2	SMD PLCC-2	Orange	600	605	609	11.2	16.5	28	2				1.8	2.2	60	Low current	
VLMP20D2G1	SMD MiniLED	Pure green	555		565	0.56		2.24	2				1.8	2.2	60	Low current	
VLMS2000	SMD MiniLED	Super red		630		2.24	4.5		2				1.8	2.2	60	Low current	
VLMS20H2K1	SMD MiniLED	Super red		630		3.55		9	2				1.8	2.2	60	Low current	
VLMS20H2L1	SMD MiniLED	Super red		630		3.55		14	2				1.8	2.2	60	Low current	
VLMS20J2L1	SMD MiniLED	Super red		630		5.6		14	2				1.8	2.2	60	Low current	
VLMS3000	SMD PLCC-2	Super red	624	630	636	2.8	10		2				1.8	2.2	60	Low current	
VLMS30J1K2	SMD PLCC-2	Super red	624	630	636	4.5	8.5	11.2	2				1.8	2.2	60	Low current	
VLMS30J1L2	SMD PLCC-2	Super red	624	630	636	4.5	10	18	2				1.8	2.2	60	Low current	
VLMS30J2K2	SMD PLCC-2	Super red	624	630	636	5.6	8.5	11.2	2				1.8	2.2	60	Low current	
VLMS30K1L2	SMD PLCC-2	Super red	624	630	636	7.1	10.5	18	2				1.8	2.2	60	Low current	
VLMS30K2L2	SMD PLCC-2	Super red	624	630	636	9	12	18	2				1.8	2.2	60	Low current	
VLMT3100	SMD PLCC-2	Red	612	618	625	0.28	1.1		2				2.2	2.9	60	Low current	
VLMY10J2K2-4	SMD 0603	Yellow	585	588	590	5.6		11.25	2				1.8	2.6	80	Low current	
VLMY2000	SMD MiniLED	Yellow	581	588	594	3.55	7.1		2				1.8	2.2	60	Low current	
VLMY20J1L2	SMD MiniLED	Yellow	581	588	594	4.5		18	2				1.8	2.2	60	Low current	
VLMY20K1L2	SMD MiniLED	Yellow	581	588	594	7.1		18	2				1.8	2.2	60	Low current	

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMY3000	SMD PLCC-2	Yellow	581	587	594	4.5	11.6		2					1.8	2.2	60	Low current
VLMY3001	SMD PLCC-2	Yellow	581	587	594	7.1	11.8	18	2					1.8	2.2	60	Low current
VLMY30J2L1	SMD PLCC-2	Yellow	581	587	594	5.6	10.6	14	2					1.8	2.2	60	Low current
VLMY30J2M1	SMD PLCC-2	Yellow	581	587	594	5.6	11.6	22.4	2					1.8	2.2	60	Low current
VLMY30K2M1	SMD PLCC-2	Yellow	581	587	594	9	12.3	22.4	2					1.8	2.2	60	Low current
VLMYG30H2K1	SMD PLCC-2	Yellow green	566	574	575	3.55	4.2	9.00	2					1.9	2.2	60	Low current

LED - POWER

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_v (mcd)			I_F for I_v (mA)	Luminous Flux Φ_v (lm)			I_F for Φ_v (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
TLCO5100 (1)	5 mm	Soft orange	600	605	611	4300	12 000		50					2.1	2.7	9	Power
TLCPG5100	5 mm	Pure green	555	562	567	430	1250		50					2.1	2.7	9	Power
TLCR5100	5 mm	Red	611	616	622	4300	11 000		50					2.1	2.7	9	Power
TLCR5200 (1)	5 mm	Red	611	616	622	1350	4000		50					2.1	2.7	15	Power
TLCR6200	5 mm	Red	611	616	622	1350	4000		50					2.1	2.7	15	Power
TLCR6800	5 mm	Red	611	616	622	7500	35 000		50					2.1	2.7	4	Power
TLCS5100	5 mm	Super red	626	630	638	2400	7500		50					2.1	2.7	9	Power
TLCY5100 (1)	5 mm	Yellow	585	590	597	3200	7500		50					2.1	2.7	9	Power
TLCY5200	5 mm	Yellow	585	590	597	1350	4000		50					2.1	2.7	15	Power
TLCY6200 (1)	5 mm	Yellow	585	590	597	1350	4000		50					2.1	2.7	15	Power
TLCY6800	5 mm	Yellow	585	590	597	5750	25 000		50					2.1	2.7	4	Power
TLCYG5100	5 mm	Yellow green	565	572	576	1350	3500		50					2.2	2.7	9	Power
TLWR8600	TELUX	Red	611	616	634					2000	3700		70	2.2	2.67	30	Power
TLWR8900	TELUX	Red	611	616	634					2000	3700		70	2.2	2.67	45	Power
TLWR8901	TELUX	Red	611	616	634					2000	3700	4800	70	2.2	2.67	45	Power
TLWR8902	TELUX	Red	611	616	634					3000	3900	4800	70	2.2	2.67	45	Power
TLWY8600	TELUX	Yellow	585	591	597					2000	3200		70	2.1	2.67	30	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			TLWY8900	TELUX	Yellow	585	591	597							2000		
VLCS5130	5 mm	Red	620	624	630	7500	25 000		50					2.2	3.0	9	Power
VLCS5830	5 mm	Red	620	624	630	24 000	65 000		50					2.2	3.0	4	Power
VLDB1232G	SMD dome lens	Blue	458	465	472	1800	3500		20					3.0	3.4	9	Power
VLDB1232R	SMD dome lens	Blue	458	465	472	1800	3500		20					3.0	3.4	9	Power
VLDK1235G	SMD dome lens	Amber	611	616	621	9000	18 000	35 500	50					2.25	2.7	11	Power
VLDK1235R	SMD dome lens	Amber	611	616	621	9000	18 000	35 500	50					2.25	2.7	11	Power
VLDK1535G	SMD dome lens	Amber	611	616	621	4500	8000	14 000	50					2.25	2.7	22	Power
VLDK1535R	SMD dome lens	Amber	611	616	621	4500	8000	14 000	50					2.25	2.7	22	Power
VLDR1235G	SMD dome lens	Red	619	624	631	9000	14 500	35 500	50					2.2	2.7	11	Power
VLDR1235R	SMD dome lens	Red	619	624	631	9000	14 500	35 500	50					2.2	2.7	11	Power
VLDR1535G	SMD dome lens	Red	619	624	631	3550	6500	11 200	50					2.2	2.7	22	Power
VLDR1535R	SMD dome lens	Red	619	624	631	3550	6500	11 200	50					2.2	2.7	22	Power
VLDS1235G	SMD dome lens	Super red	626	630	637	5600	11 000	22 400	50					2.2	2.7	11	Power
VLDS1235R	SMD dome lens	Super red	626	630	637	5600	11 000	22 400	50					2.2	2.7	11	Power
VLDS1535G	SMD dome lens	Super red	626	630	637	2800	5000	9000	50					2.2	2.7	22	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLDS1535R	SMD dome lens	Super red	626	630	637	2800	5000	9000	50					2.2	2.7	22	Power
VLDTG1232G	SMD dome lens	True green	515	525	541	7100	16 000		20					2.9	3.4	9	Power
VLDTG1232R	SMD dome lens	True green	515	525	541	7100	16 000		20					2.9	3.4	9	Power
VLDY1235G	SMD dome lens	Yellow	583	589	595	9000	18 000	35 500	50					2.3	2.7	11	Power
VLDY1235R	SMD dome lens	Yellow	583	589	595	9000	18 000	35 500	50					2.3	2.7	11	Power
VLDY1535G	SMD dome lens	Yellow	583	589	595	4500	8000	14 000	50					2.3	2.7	22	Power
VLDY1535R	SMD dome lens	Yellow	583	589	595	4500	8000	14 000	50					2.3	2.7	22	Power
VLME2300	SMD MiniLED	Yellow	581	588	594	56	112		20					2.0	2.6	60	Power
VLME23Q2T1	SMD MiniLED	Yellow	581	588	594	90	170	355	20					2	2.6	60	Power
VLME23R2T1	SMD MiniLED	Yellow	581	588	594	140	190	355	20					2	2.6	60	Power
VLMF2300	SMD MiniLED	Soft orange	598	605	611	56	112		20					2.0	2.6	60	Power
VLMF23Q2S1	SMD MiniLED	Soft orange	598	605	611	90	180	224	20					2	2.6	60	Power
VLMK2300	SMD MiniLED	Super red		630		35.5	90		20					1.9	2.6	60	Power
VLMK233U1AA	SMD MiniLED	Amber	611	616	622	450	680	1400	20					2.1	2.6	60	Power
VLMK234ABCA	SMD MiniLED	Amber	611	616	622	1400	2500	3550	50					2.25	2.8	60	Power
VLMK235T2V1	SMD MiniLED	Amber	611	616	622	355	550	900	20					2.0	2.6	60	Power
VLMK23P2R1	SMD MiniLED	Red		630		56	120	140	20					1.9	2.6	60	Power
VLMK23P2S1	SMD MiniLED	Red		630		56	125	224	20					1.9	2.6	60	Power
VLMK23R1S1	SMD MiniLED	Red		630		112	130	224	20					1.9	2.6	60	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMK333U2AB	SMD PLCC-2	Amber	611	616	622	560	850	1800	20					2.1
VLMK334BACB	SMD PLCC-2	Amber	611	616	622	1800	2800	4500	50					2.25	2.8	60	Power
VLMK335U1V2	SMD PLCC-2	Amber	611	616	622	450	630	1120	20					2.1	2.6	60	Power
VLMK33Q2T1	SMD PLCC-2	Amber	611	617	622	90	275	355	20					1.9	2.5	60	Power
VLMK33S1T1	SMD PLCC-2	Amber	611	617	622	180	275	355	20					1.9	2.5	60	Power
VLMO233U1AA	SMD MiniLED	Soft orange	600	605	611	450	760	1400	20					2.1	2.6	60	Power
VLMO233U2V2-35	SMD MiniLED	Soft orange	602	605	609	560	760	1120	20					2.1	2.6	60	Power
VLMO235U1V2	SMD MiniLED	Soft orange	600	605	611	450	650	1120	20					2.0	2.6	60	Power
VLMO235U2V2-35	SMD MiniLED	Soft orange	602	605	609	560	700	1120	20					2.0	2.6	60	Power
VLMO333U2AB	SMD PLCC-2	Soft orange	600	605	611	560	950	1800	20					2.1	2.6	60	Power
VLMO335U2AA	SMD PLCC-2	Soft orange	600	605	611	560	700	1400	20					2.1	2.6	60	Power
VLMO33R2U2	SMD PLCC-2	Soft orange	600	605	611	140	470	710	30					2.0	2.5	60	Power
VLMPG33N1P2	SMD PLCC-2	Pure green	555	560	565	28	42	71	30					2.0	2.5	60	Power
VLMR233T2V2	SMD MiniLED	Red	619	625	631	355	650	1120	20					2.0	2.6	60	Power
VLMR234ABCA	SMD MiniLED	Red	619	625	631	1400	2000	3550	50					2.2	2.8	60	Power
VLMR235T2V1	SMD MiniLED	Red	619	625	631	355	520	900	20					2.1	2.6	60	Power
VLMR333U1AA	SMD PLCC-2	Red	619	625	631	450	750	1400	20					2	2.6	60	Power
VLMR334BACB	SMD PLCC-2	Red	619	625	631	1800	2200	4500	50					2.2	2.8	60	Power
VLMR335U1V2	SMD PLCC-2	Red	619	625	631	450	560	1120	20					2	2.6	60	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLMR33T1U2	SMD PLCC-2	Amber	611	617	622	280	450	710	30					2.0	2.5	60	Power
VLMS233T1V1	SMD MiniLED	Super red	626	630	639	280	450	900	20					2.0	2.6	60	Power
VLMS234V2BA	SMD MiniLED	Super red	626	630	639	900	1400	2240	50					2.2	2.8	60	Power
VLMS235S2U1	SMD MiniLED	Super red	626	630	639	224	370	560	20					2.1	2.6	60	Power
VLMS333T2V2	SMD PLCC-2	Super red	626	630	639	355	550	1120	20					2	2.6	60	Power
VLMS334AABB	SMD PLCC-2	Super red	626	630	639	1120	1600	2800	50					2.2	2.8	60	Power
VLMS335T1U2	SMD PLCC-2	Super red	626	630	639	280	390	710	20					2	2.6	60	Power
VLMS33S1T2	SMD PLCC-2	Super red	626	630	638	180	290	450	30					2.0	2.5	60	Power
VLMS33S1U1	SMD PLCC-2	Super red	626	630	638	180	290	560	30					2.0	2.5	60	Power
VLMTG1400	SMD 0603 ChipLED	True green	515	525	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG1401	SMD 0603 ChipLED	True green	515	525	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMTG1402	SMD 0603 ChipLED	True green	520	527	535	1200	1400	2800	20					2.80	3.05	73	Power
VLMU1610-365-135	SMD ceramic mid power	Ultraviolet	362.5	367	370					14	23	26	20	3.5	4.0	67.5	Power
VLMU3500-385-060	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	30	Power
VLMU3500-385-060-L	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	30	Power
VLMU3500-385-120	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	60	Power
VLMU3500-385-120-L	SMD ceramic high power	Ultraviolet	380	385	390					620	780	940	500	3.4	4.0	60	Power
VLMU3500-395-060	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	30	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMU3500-395-060-L	SMD ceramic high power	Ultraviolet	390	395	400							620		
VLMU3500-395-120	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	60	Power
VLMU3500-395-120-L	SMD ceramic high power	Ultraviolet	390	395	400					620	780	940	500	3.4	4.0	60	Power
VLMU3500-405-060	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	30	Power
VLMU3500-405-060-L	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	30	Power
VLMU3500-405-120	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	60	Power
VLMU3500-405-120-L	SMD ceramic high power	Ultraviolet	400	405	410					620	780	940	500	3.4	4.0	60	Power
VLMU3510-365-130	SMD ceramic high power	Ultraviolet	362.5	367	370					560	690	835	500	4.0	4.4	65	Power
VLMU3511-365-130	SMD ceramic high power	Ultraviolet	360	367	370					835	1000	1325	600	3.6	4.0	65	Power
VLMU3520-385-060	SMD ceramic high power	Ultraviolet	380	385	390					740	900		500	3.6	4.0	30	Power
VLMU3520-385-120	SMD ceramic high power	Ultraviolet	380	385	390					780	930		500	3.6	4.0	60	Power
VLMU3520-395-060	SMD ceramic high power	Ultraviolet	390	395	400					740	900		500	3.6	4.0	30	Power
VLMU3520-395-120	SMD ceramic high power	Ultraviolet	390	395	400					780	930		500	3.6	4.0	60	Power
VLMU3520-405-060	SMD ceramic high power	Ultraviolet	400	405	410					740	900		500	3.6	4.0	30	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v (mA)	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
			VLMU3520-405-120	SMD ceramic high power	Ultraviolet	400	405	410							780		
VLMU35CB20-275-120	SMD ceramic	Ultraviolet	270	273	280					10	13.5		120	6.2	7.5	60	Power
VLMU35CB21-275-120	SMD ceramic	Ultraviolet	270	273	280					12	13.5		120	6.2	7.0	60	Power
VLMU35CL20-275-120	SMD ceramic	Ultraviolet	265	277	285					2.0	3.0		20	6.0	7.0	60	Power
VLMU35CT20-275-120	SMD ceramic	Ultraviolet	270	274	280					16.5	21.5		180	6.3	7.0	60	Power
VLMU35CT21-275-120	SMD ceramic	Ultraviolet	270	274	280					18.5	21.5		180	6.3	7.0	60	Power
VLMW33S2V1-5K8L	SMD PLCC-2	White		0.33, 0.33		224	635	900	20					3.7	4.2	60	Power
VLMW33U2AA-5K8L	SMD PLCC-2	White		0.33, 0.33		560	650	1400	20					3.7	4.2	60	Power
VLMY233T2V2	SMD MiniLED	Yellow	583	589	594	355	650	1120	20					2.15	2.6	60	Power
VLMY234ABCA	SMD MiniLED	Yellow	583	589	594	1400	2000	3550	50					2.3	2.8	60	Power
VLMY235T2V1	SMD MiniLED	Yellow	583	589	594	355	520	900	20					2.1	2.6	60	Power
VLMY333U1AA	SMD PLCC-2	Yellow	583	589	594	450	750	1400	20					2.15	2.6	60	Power
VLMY334BACB	SMD PLCC-2	Yellow	583	589	594	1800	2300	4500	50					2.3	2.8	60	Power
VLMY335U1V2	SMD PLCC-2	Yellow	583	589	594	450	600	1120	20					2.15	2.6	60	Power
VLMY33R2U2	SMD PLCC-2	Yellow	583	588	594	140	425	710	30					2.0	2.5	60	Power
VLMY33T1U2	SMD PLCC-2	Yellow	583	588	594	280	425	710	30					2.0	2.5	60	Power
VLMYG33P1Q2	SMD PLCC-2	Yellow green	566	570	577	45	90	112	30					2.0	2.5	60	Power
VLWR9630 (1)	TELUX	Red	611	616	634					4000	8500	12 200	70	2.2	3.03	30	Power
VLWR9632	TELUX	Red	611	616	634					6000		12 200	70	2.2	3.03	30	Power

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I_V (mcd)			I_F for I_V (mA)	Luminous Flux Φ_V (lm)			I_F for Φ_V (mA)	Forward Voltage, V_F (V)		Angle of Half Intensity (\pm °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	Max.		Typ.	Max.		
VLWR9930	TELUX	Red	611	616	634					4000	8500	12 200	70	2.2	3.03	45	Power
VLWR9931 (1)	TELUX	Red	611	616	634					5000	8500	12 200	70	2.2	3.03	45	Power
VLWR9932	TELUX	Red	611	616	634					6000	9000	12 200	70	2.2	2.67	45	Power
VLWR9933	TELUX	Red	611	616	634					7000	9500	12 200	70	2.2	2.67	45	Power
VLWY9930	TELUX	Yellow	585	592	597					4000	8500	12 200	70	2.2	3.03	45	Power
VLWY9932 (1)	TELUX	Yellow	587	592	597					6000	9000	12 200	70	2.2	2.67	45	Power

LED - BICOLOR LEDS

Part Number	Package	Color	Dominant Wavelength (nm) or Color Coordinate (x, y)			Luminous Intensity I _v (mcd)			I _F for I _v	Luminous Flux Φ _v (lm)			I _F for Φ _v (mA)	Forward Voltage, V _F (V)		Angle of Half Intensity (± °)	Key Feature
			Min.	Typ.	Max.	Min.	Typ.	Max.	(mA)	Min.	Typ.	Max.	Typ.	Max.			
TLUV5300	5 mm	Red	612		625	1	2.5		10					2	3	30	Bicolor
	5 mm	Green	552		575	1	2.5		10					2.4	3	30	Bicolor
VLMKE3400 VLMKE3401	SMD PLCC-4	Red		630		56		180	20					1.9	2.6	60	Bicolor
	SMD PLCC-4	Yellow	581	588	594	90		280	20					2	2.6	60	Bicolor
VLMKG3400	SMD PLCC-4	Super red	627	633	639	56		140	20					1.9	2.6	60	Bicolor
	SMD PLCC-4	Green	564	570	575	35.5		90	20					2.0	2.6	60	Bicolor
VLMV3100	SMD PLCC-3	Red	612	620	625	2.8	12		10					2.0	3	60	Bicolor
	SMD PLCC-3	Green	562	571	575	2.8	14		10					2.1	3	60	Bicolor

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