Optoelektronik

LEDs

Anbieter (Hersteller)	Der Anbieter ist		Abstrahlwinkel in Grad		Basishalbleiter										Bauformen								Gehäuse					sichtbarer Bereich						Infrarot-Bereich							
															SMD-Versionen				bedrahtete Versionen							Sonderbau-formen				Wellenlängen-bereich in nm		Farbtemperatur in K				Wellenlängen-bereich in nm					spektraler Bereich der Fotoempfind-lichkeit in nm	
	Hersteller	Distributor	min.	max.	GaAs	GaP	GaAsP	InGaP	AlInGaP	AlGaAs	GaN	InGaN	InGaSiC	sonstige	PLCC 2 / PLCC 4	Dome Lens	Side View	sonstige	3 mm	5 mm	sonstige	Chip on Board	Metall	Kunststoff	dreieckig-prismatisch	quaderförmig	oval-zylindrisch	sonstige	min.	max.	min	max.	max. Lichtstrom in lm	max. Wirkungsgrad in lm/W	min.	max.	Gesamtausgangsleistung in mW bei 50 mA	Sender/Empfänger einzeln	Sender/Empfänger als Paar	Empfänger + Tageslichtfilter	min. Schaltzeiten in ns	min.	max.
4D electronic, www.4d-electronic.de		X	20	150	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	468	635	3000	6500	150	80	850	940	90	●	●	●	15000	820	1100
A+B Electronic, www.aundb-electronic.de		X													●	●	●	●	●	●	●		●	●	●	●	●														
Acal BFi Germany, www.acaltechnology.com (Dialight)		X	40	170		●			●	●		●			●	●	●	●	●	●	●	●		●	●	●	●	●	470	635												
Adelco Elektronik, www.adelco-elektronik.de (Lumex)		X	8	180	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	430	700					840	880		●			800	1100
alfatec, www.alfatec.de (Ligitek, Lexedis-Ledon)		X	15	130		●			●	●	●	●	●		●	●	●	●	●	●	●	●		●		●	●	●	450	770	2500	10000	600	100	850	940						
Altron, www.altron.de (VS Optoelectronic, Oshino, Sumida, Lite-On)		X	6	180	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	375	700	2700	8000	220	100	850	950	100	●	●	●	20	500	1200
AmpPower, www.amppower.de (Micropac Opto)		X		180	●	●	●	●	●	●	●	●	●	●		●		●		●	●		●					●	466	620					600	1000	10	●	●	●		500	1000
Arrow Electronics, www.arrowce.com (Avago, Cree, Everlight, Sharp, Toshiba, Vishay)		X	4	170	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	453	656	2500	14000	1100	145	820	950	94	●	●	●	7	350	1180
as electronic, www.as-electronic.net (Ligitek, Sharlight)		X	10	120	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	470	660	2670	10000	630	53				●	●	●			
Avago Technologies, www.avagotech.com	X		6	165	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●		●	●	●	455	637	2600	10000	160									
Avnet Abacus, www.avnet-abacus.eu (Kingbright)		X	12	130	●	●	●		●	●		●		●	●	●	●	●	●	●			●	●	●	●	●	●	465	660	2500	7000				880	940	●	●	●			
Beck Elektronik, www.beck-elektronik.de (Sharp, EOI)		X	8	130	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	470	623	2700	10000	1100	100	880	950	150	●	●	●	50	320	950
Blume Elektronik, www.blume-elektronik.de		X															●	●	●	●			●			●	●		455	631												
BS Elektronik Service, www.bs-elektronik-service.de (Prolight, Kouhi)		X	6	360	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	420	700	2700	12000	30000	100	720	1300	>50	●	●				
Bürklin, www.buerklin.com		X	8	170	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	450	660					850	950		●	●	●	10	350	1150
Codico, www.codico.com		X	30	170		●		●	●	●		●			●	●	●	●	●	●				●						472	646	2850	10000	114	140								
Craft Data, www.craftdata.de		X	8	170	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	380	700	2670	10000	580		850	940	60	●					
Cree, www.cree.com	X		15	140							●	●	●		●	●	●		●	●	●	●	●	●			●		450	630	2600	10000	1000 (bei 3A)	160 (bei 350 mA)								
Dema Electronic, www.dema.net (Sharp, Lite-On, Cosmo)		X	6	170					●	●			●	●	●	●	●	●	●	●	●	●	●	●				●			2700	6500	600	90	840	940		●		●			
Dico Electronic, www.dico-electronic.de (Nicomatic)		X		140					●			●					●				●		●	●		●			470	624												
Digital Electronic Siegfried Lehrer, www.digitallehrer.de		X			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●										●	●	●			
Distrelec Schuricht, www.distrelec.de (Kingbright, Osram, Avago, Everlight, Dialight, Stanley, Sloan, Lumileds, VLM, Seoul)		X	10	130	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	465	635	2900	10000	220		870	940		●				600	1200
Dreyer, www.dreyer-elektronik.de (Avago)		X	6	180		●			●	●	●	●		●	●	●	●	●	●	●			●		●		●	●	460	640	2700	10000	180	130								
EBV Elektronik, www.ebv.com (Osram, Luminus, Everlight, Avago)		X	15	180					●			●			●	●	●		●	●			●	●					455	660	2700	6500	6000	115	850	940		●	●				
Ecomal, www.ecomal.com (Sanken, Upec, Vishay)		X	6	170	●		●	●		●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	450	645	2670	10000	700	110	830	950	250	●	●	●	5	400	1100
ED-V, www.ed-v.de (Ligitek, LedEngin)		X	10	180	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●										●	●	●			
efindon.de, www.efindon.de	X														●	●			●	●	●		●	●				●														
elcon electronic, www.elcon-electronic.de (Kingbright)		X	12	150		●	●		●	●	●	●		●	●	●	●	●	●	●	●				●	●	●	●	470	660					850	940	100	●	●	●		350	1100

LEDs

Anbieter (Hersteller)	Der Anbieter ist: Hersteller	Der Anbieter ist: Distributor	Abstrahlwinkel in Grad: min.	Abstrahlwinkel in Grad: max.	Basishalbleiter: GaAs	GaP	GaAsP	InGaP	AlInGaP	AlGaAs	GaN	InGaN	InGaSiC	sonstige	Bauformen: SMD-Versionen: PLCC 2 / PLCC 4	Dome Lens	Side View	sonstige	bedrahtete Versionen: 3 mm	5 mm	sonstige	Chip on Board	Gehäuse: Metall	Kunststoff	Sonderbauformen: dreieckig-prismatisch	quaderförmig	oval-zylindrisch	sonstige	sichtbarer Bereich: Wellenlängenbereich in nm: min.	max.	Farbtemperatur in K: min	max.	max. Lichtstrom in lm	max. Wirkungsgrad in lm/W	Infrarot-Bereich: Wellenlängenbereich in nm: min.	max.	Gesamtausgangsleistung in mW bei 50 mA	Sender/Empfänger einzeln	Sender/Empfänger als Paar	Empfänger + Tageslichtfilter	min. Schaltzeiten in ns	spektraler Bereich der Fotoempfindlichkeit in nm: min.	max.
Eldis Elektronik, www.eldis-elektronik.de (Kingbright, Bacol, Bright LED)		X			●	●	●	●											●	●	●	●							●														
Endrich Bauelemente, www.endrich.com		X	60	120		●			●			●			●			●	●								●		●	470	632	2700	6300	4390	116	850	950		●		●	10	400	1100
Engelking Elektronik, www.engelking.de (Bulgin, ITWSwitches, Arcolectric, Way Forward Technologies)		X																	●	●	●		●	●				●															
EQ Photonics, www.eqphotonics.com		X	3	120	●					●				●		●		●	●	●	●	●	●					●	405	780					800	930	20	●	●	●	15	350	1100
Ettinger, www.ettinger.de (Bivar, Mentor)		X	20	60	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	395	660													
Falcon LED Lighting, www.falcon-lighting.de (LED Illumination)		X	25	90										●					●	●			●			●	●	●	●	470	640					850	880							
Farnell, www.farnell.de (Avago, CML, Dialight, Kingbright, Lumileds, Marl, Mentor)		X			●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●				●	●	●	●															
Future Electronics, www.futureelectronics.com (Lumileds, Avago, Vishay, Rohm, Everlight)		X	8	170						●		●		●	●	●	●	●	●	●	●	●	●	●					●	450	650	2700	10000	225	125	800	950		●	●	●			
Gleichmann Electronics, www.msc-ge.com (Harvatek, CML)		X	5	140	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	395	670	2750	10000	192	130	850	940	90	●					
Glyn, www.glyn.de (Harvatek, Samsung LED, Toshiba, QT-Brightek)		X	12	130	●	●	●	●	●	●	●	●	●		●	●	●		●	●			●			●			●	470	636	2600	12000	180	130	850	940	50						
Henskes Electronic, www.henskes.de (Kingbright, Rohm)		X	16	140	●	●	●		●	●		●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	460	700					850	950	150	●	●			50	50
Infratron, www.infratron.de (Bivar Opto)		X	15	40	●	●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	350	950			20	120	700	10000	330	●	●	●	1500		
Jenoptik Polymer Systems, www.jenoptik.com/oes	X				●	●	●		●	●				●	●			●	●	●	●	●	●	●				●	560	700					720	1720	5-50	●	●	●	5	150	1650
Kingbright Electronic, www.kingbright.com	X		8	140	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●				●	●	●	●	●	●	430	700					850	940	100	●	●	●		350	1100
Kruse Electronic Components, www.kruse.de (Huey Jann)		X			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●										●	●	●			
Kuhn, www.kuhn-gmbh-vertrieb.de (IEE)		X	6	142	●	●	●		●		●	●		●		●	●	●	●	●	●			●	●	●	●	●	●	430	700													
Laser 2000, www.laser2000.de (IBSG)		X	5	150										●				●			●		●													1500	4600	0,1-5	●			20		
Laser Components, www.lasercomponents.com (Arima Lasers)		X	15	15										●						●				●												1048	1084	2	●					
Lexington, www.lexington-europe.de	X													●									●								2700	6500	6											
materialboerse.de, www.materialboerse.de		X			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●															
menges electronic, www.menges-electronic.com (Kingbright)		X	12	130		●			●	●		●			●	●	●	●	●	●	●			●	●	●	●	●	●	465	660					880	940		●	●	●			
MEV Elektronik, www.mev-elektronik.com (Moving Light, LedEngin, Bivar)		X	12	l	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	390	700													
mewa electronic, www.mewa-electronic.de		X			●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●										●	●	●			
micronetics, www.micronetics.de (Rohm, Kingbright)		X	20	120	●	●	●	●			●	●		●	●	●	●	●	●	●	●			●				●		465	640			120		850	870	60	●					
Mira-Electronic, www.mira-electronic.de		X													●	●	●	●	●	●	●			●																			
MSC, www.msc-ge.com (Kingbright, Cree, Alder)		X	15	125	●	●		●	●		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	450	650	2600	15000	1000	186	880	940		●	●			660	940
municom, www.municom.de (Kyosemi)		X	6	170	●	●		●	●	●	●	●				●			●	●	●		●	●						570	660					870	1450							

Optoelektronik

LEDs

Anbieter (Hersteller)	Der Anbieter ist: Hersteller	Der Anbieter ist: Distributor	Abstrahlwinkel in Grad: min.	Abstrahlwinkel in Grad: max.	Basishalbleiter: GaAs	GaP	GaAsP	InGaP	AlInGaP	AlGaAs	GaN	InGaN	InGaSiC	sonstige	Bauformen: SMD-Versionen: PLCC 2 / PLCC 4	Dome Lens	Side View	sonstige	bedrahtete Versionen: 3 mm	5 mm	sonstige	Chip on Board	Gehäuse: Metall	Kunststoff	Sonderbauformen: dreieckig-prismatisch	quaderförmig	oval-zylindrisch	sonstige	sichtbarer Bereich: Wellenlängenbereich in nm: min.	max.	Farbtemperatur in K: min	max.	max. Lichtstrom in lm	max. Wirkungsgrad in lm/W	Infrarot-Bereich: Wellenlängenbereich in nm: min.	max.	Gesamtausgangsleistung in mW bei 50 mA	Sender/Empfänger einzeln	Sender/Empfänger als Paar	Empfänger + Tageslichtfilter	min. Schaltzeiten in ns	spektraler Bereich der Fotoempfindlichkeit in nm: min.	max.
Mütron Müller, www.muetron.de (Kingbright)		X	18	140		●		●	●	●	●	●			●	●	●	●	●	●	●			●	●	●	●	●	460	660					850	940	100	●	●	●		350	1100
Neumüller Elektronik, www.neumueller.com (Seoul Semiconductor, Optek, Taiwan Oasis)		X	2	160	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	405	700	1850	15000	900	150	850	950	100	●	●	●	0,6	400	1100
Nichia Chemical, www.nichia.de	X		15	160								●			●	●	●		●	●		●	●	●					365	635	2700	15000	1290	140									
opto devices, www.optodevices.de	X	X	6	140	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	470	660	3000	9000			770	950		●	●	●			
OSA Opto Light, www.osa-opto.com	X		30	140	●	●	●		●	●	●	●				●	●	●			●		●	●				●	350	660					660	1050	11	●			10		
Oshino Lamps, www.oshino-lamps.de	X		8	180		●	●	●	●	●	●			●		●	●	●	●	●	●	●		●			●	●	470	660													
Osram Opto Semiconductors, www.osram-os.com	X		15	170	●	●	●		●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●		●	●	453	656	2500	14000	4500	145	850	950	55	●	●	●	7	350	1180
Panasonic Electric Works - Vossloh-Schwabe, www.vossloh-schwabe.com (Cree, Nichia, Ledtech, Rohm)	X	X	6	160		●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	400	700	2600	14000	1000	120									
Quarz, www.quarz.ch		X	25	175		●	●		●	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	400	700	2800	9500	3900	60	850	950	100	●	●	●	7	400	1000
Rohm Semiconductor, www.rohmeurope.com	X		8	160		●			●		●	●			●		●	●	●	●				●					470	630	2800	10000	120	105	850	950		●	●	●		800	800
RPV Rainer Pahl Distribution, www.rpv-distribution.de (VCC-Optoelectronics)		X	30	150											●	●	●		●	●	●	●		●	●				●	460	640													
RS Components, www.rsonline.de		X	8	170		●	●		●	●	●	●			●	●	●	●	●	●	●	●		●	●		●	●	●	428	700	2600	10000	820		830	950		●	●	●			
Rutronik, www.rutronik.com (Osram, Osram OS, Everlight, Lite-On, Bright LED, Vishay, Renesas, Sharp, Ledil, Rohm, Signal Construct)		X	6	170					●	●		●			●	●	●	●	●	●	●			●			●	●	●	455	639	2700	8100	710		660	1550		●	●	●	10	400	1550
SchahlLED Lighting, www.schahlled.de (Osram, LedEngin, Lumileds, Seoul Semiconductor, Tridonic, Xicato)		X	4	160	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	365	780	2600	8000	5000	120									
Schukat electronic, www.schukat.com (LiteOn, Everlight)		X	6	160	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●			●		●	●	●	428	697	3250	5650	188	90	350	950	75	●	●		2,5	440	1070
SE Spezial-Electronic, www.spezial.com (Rohm)		X	8	120	●	●	●	●	●	●	●	●		●	●		●	●	●	●				●					428	660		95			850	950	13	●	●			400	1050
setron, www.setron.de (King-bright, Dominant, Samsung LED, Lucky Light, Paralight, Excelitas)		X	10	140	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	395	700	2350	1800	280	110	850	940	100	●	●	●	2-3	400	1000
Sharp Electronics, www.sharpsme.com	X		120	180					●			●			●	●	●	●						●				●	380	770	2200	6500	2300	100									
Signal-Construct, www.signal-construct.de	X		15	360				●										●	●	●	●		●	●	●	●		●	470	660	2700	6000		130									
Silica, www.silica.com (Seoul Semiconductor, Sharp, Rohm)		X	8	160	●	●	●	●	●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	450	660	2300	12000	2450	120	850	950	75	●	●	●	15	800	800
Simos Elektronik, www.simos.de (Edison, Harvatek, HueyJann electronics, SemiLeds, Lustrous)		X				●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	100	850		10000	200	150	100	850		●	●	●			
Tabula-Tronic, www.tabula-tronic.de (Khatod)	X	X	10	180	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	435	700					870	950	60	●	●	●	100	400	1100
Toshiba Electronics, www.toshiba-europe.com	X		5	140					●			●			●	●		●	●	●				●					470	630	3000	6500	120	120	870	870	25	●		●			
TTI, www.ttieurope.com (Vishay, Toshiba, Panasonic)		X	4	140	●			●	●	●	●	●	●	●	●	●		●	●	●	●	●		●				●	460	660	400	5600	114	114	830	950		●	●	●			
two4tronic, www.two4tronic.com		X			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		●														
Vishay Electronic, www.vishay.com	X		8	170	●	●	●			●	●	●		●	●			●	●	●	●			●					458	648	2850	7000	113	90	830	950	30	●	●	●	10	400	1100
weisbauer elektronik, www.weisbauer.de (Lumex, Rohm, Kingbright)		X	6	175	●	●	●		●			●	●		●	●	●	●	●	●	●			●	●	●	●	●	420	700	2000	9000	160	104	890	940	8	●	●	●	6	700	1000