



# High Brightness LEDs



A subsidiary of TT electronics plc

Dimensions in mm

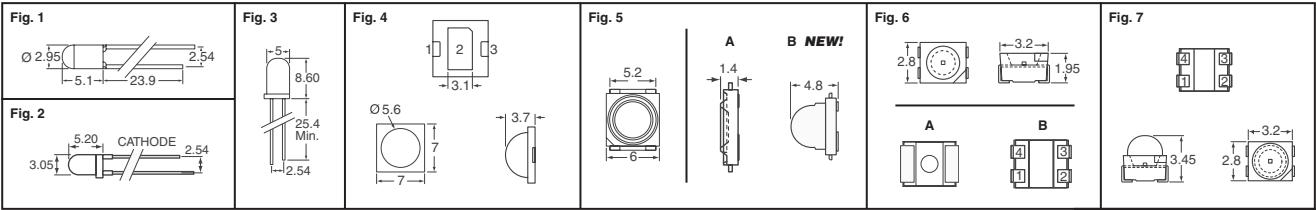
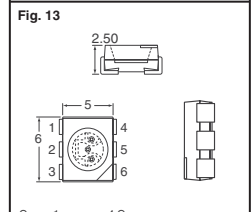
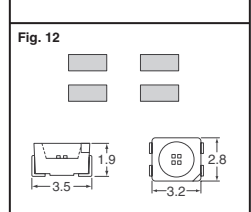
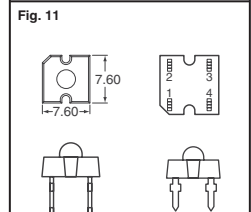
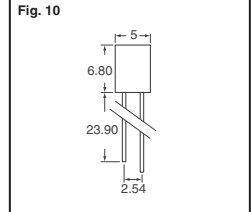
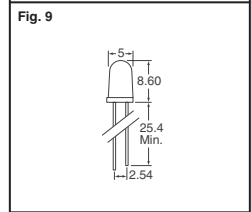
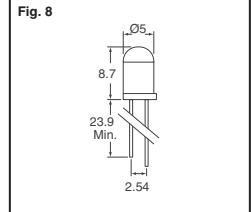


Fig.	Size (mm)	Chip			Lens Color	Luminous Intensity (Typ.) @IF(mA)	Viewing Angle (°)	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Reel		TT/OPTIK Part No.	
		Material	Emitted Color	Dominant Wavelength (nm)					1	100	250		Qty.	Pricing		
<b>Round — Wide Viewing Angles</b>																
1	3	InGaN	Blue	470	Water Clear	900	20	45	365-1173-ND	.58	.31	—	—	—	OVLBB4C7	
	3	InGaN	Green	525	Water Clear	2000	20	45	365-1174-ND	.65	.34	—	—	—	OVLBG4C7	
	3	AllnGaP	Yellow	589	Water Clear	2400	20	45	365-1176-ND	.34	.18	.17	—	—	OVLBY4C7	
	3	AllnGaP	Red	623	Water Clear	1800	20	45	365-1175-ND	.34	.18	.17	—	—	OVLBR4C7	
<b>Round — High Intensity</b>																
2	3	InGaN	White	—	Water Clear	3500	20	45	365-1467-ND	.71	.38	.36	—	—	OVLAW4CB7	
3	5	InGaN	White	—	Water Clear	18000	20	15	365-1177-ND	1.02	.53	.52	—	—	OVLW1CB9	
<b>Square — Power Surface Mount</b>																
4	7	InGaN	White	—	Water Clear	350	23	70	365-1220-1-ND†	12.66	8.18	7.01	—	—	OVPW7CR8	
5A	6	—	White	—	Water Clear	90(im)	350	120	365-1507-1-ND†	3.95	2.05	2.03	365-1507-2-ND	2,000	1627.13/M	OVPW1BCR4
	6	InGaN	White	—	Water Clear	18000	350	120	365-1346-1-ND†	4.20	2.71	2.33	—	—	OVPWBCR4	
	6	InGaN	Blue	470	Water Clear	3400	350	120	365-1343-1-ND†	4.67	3.02	2.59	—	—	OVPBBCR4	
	6	InGaN	Green	530	Water Clear	18200	350	120	365-1344-1-ND†	5.43	3.52	3.01	—	—	OVPGBCR4	
	6	AllnGaP	Amber	587	Water Clear	11250	400	120	365-1342-1-ND†	2.92	1.89	1.62	—	—	OVPYBCR4	
5B	6	—	White	—	Water Clear	70000	350	60	365-1551-1-ND†	4.81	3.12	2.67	365-1551-2-ND	1,000	2120.88	OVPW1BCR44
<b>Top View Surface Mount — PLCC2 Package</b>																
6A	—	InGaN	White	—	Water Clear	750	20	120	365-1361-1-ND†	.73	.48	.41	365-1361-2-ND	2,000	302.99/M	OVS9WBCR4
<b>Top View Surface Mount — PLCC4 Package</b>																
6B	8	InGaN	White	—	Water Clear	1050	30	120	365-1363-1-ND†	.91	.59	.51	365-1363-2-ND	2,000	381.54/M	OVSABCR4
	8	InGaN	Blue	470	Water Clear	550	30	120	365-1555-1-ND†	.76	.50	.38	365-1555-2-ND	2,000	336.65/M	OVS11BC2R8
	8	InGaN	Green	527	Water Clear	1800	30	120	365-1556-1-ND†	.81	.52	.40	365-1556-2-ND	2,000	359.09/M	OVS11BC2R8
	8	AllnGaP	Amber	591	Water Clear	1500	50	120	365-1554-1-ND†	.52	.33	.26	365-1554-2-ND	2,000	224.43/M	OVS11BC2R8
	8	AllnGaP	Amber	591	Water Clear	700	50	120	365-1206-1-ND†	.76	.50	.43	—	—	OVS11BC2R8	
	8	AllnGaP	Red	624	Water Clear	1600	50	120	365-1557-1-ND†	.52	.33	.26	365-1557-2-ND	2,000	224.43/M	OVS11BC2R8
<b>Top View Surface Mount with Domed Lens — PLCC4 Package</b>																
7	8	AllnGaP	Amber	591	Water Clear	5000	50	60	365-1558-1-ND†	.58	.38	.29	365-1558-2-ND	700	188.52	OVS11ABLCR8
	8	AllnGaP	Red-Orange	618	Water Clear	2800	50	60	365-1211-1-ND†	.81	.52	.45	—	—	OVS11ABLCR8	
	8	AllnGaP	Red	624	Water Clear	3700	50	60	365-1559-1-ND†	.58	.38	.29	365-1559-2-ND	700	188.52	OVS11ABLCR8
<b>Round — High Brightness</b>																
8	5	InGaN	Blue	470	Water Clear	1350	20	30	365-1180-ND	.58	.31	—	—	—	OVLFB3C7	
	5	InGaN	Green	525	Water Clear	5200	20	30	365-1181-ND	.65	.34	—	—	—	OVLFG3C7	
	5	AllnGaP	Yellow	589	Water Clear	5700	20	30	365-1183-ND	.34	.18	.17	—	—	OVLFY3C7	
	5	AllnGaP	Red	623	Water Clear	5000	20	30	365-1182-ND	.34	.18	.17	—	—	OVLFR3C7	
<b>Round — High Intensity</b>																
9	5	InGaN	Blue	470	Water Clear	3200	20	6	365-1184-ND	.58	.31	—	—	—	OVLGB0C6B9	
	5	InGaN	Blue-Green	505	Water Clear	8000	20	6	365-1185-ND	.68	.35	—	—	—	OVLGC0C6B9	
	5	AllnGaP	Yellow	589	Water Clear	20000	20	6	365-1190-ND	.21	.12	—	—	—	OVLGY0C9B9	
	5	AllnGaP	Red	631	Water Clear	10000	20	6	365-1189-ND	.21	.12	—	—	—	OVLGS0C8B9	
<b>Cylindrical — High Intensity</b>																
10	5	InGaN	Blue	470	Water Clear	300	20	85	365-1201-ND	.58	.31	—	—	—	OVL8BC7	
	5	InGaN	Green	525	Water Clear	670	20	85	365-1202-ND	.65	.34	—	—	—	OVL8GC7	
	5	AllnGaP	Yellow	589	Water Clear	650	20	85	365-1204-ND	.34	.18	.17	—	—	OVL8YC7	
	5	AllnGaP	Red	623	Water Clear	570	20	85	365-1203-ND	.34	.18	.17	—	—	OVL8RC7	
<b>Super Flux 4-Pin</b>																
11	7.6	InGaN	Blue	470	Water Clear	2500(mlm)	30	70	365-1553-ND	.68	.41	.39	—	—	OVSF7C8	
	7.6	InGaN	Green	527	Water Clear	6500(mlm)	30	70	365-1552-ND	.77	.45	.44	—	—	OVSF7C8	
	7.6	AllnGaP	Amber	591	Water Clear	5000	70	100	365-1163-ND	.46	.24	—	—	—	OVSFA0C8	
	7.6	AllnGaP	Red	624	Water Clear	4500	70	100	365-1167-ND	.44	.23	—	—	—	OVSFA0C8	
	7.6	InGaN	White	—	Water Clear	1200	30	60	365-1168-ND	.81	.42	—	—	—	OVSFW6C8	

† Cut Tape **NEW!**

## Full Color (RGB) Surface Mount

Fig.	Lens Color	IV (mcd)			Viewing Angle (°)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		TT/OPTIK Part No.	
		@ IF(mA)	Red	Green			Blue	1	100		250	Qty.		Pricing
<b>PLCC4</b>														
12	Water Clear	20	300	450	110	120	365-1212-1-ND	1.78	1.16	.99	365-1212-2-ND	500	381.53	OVSARGB3R8



Green 1 → 4 Green  
Red 2 → 5 Red  
Blue 3 → 6 Blue

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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