

CONTACT US

PARA LIGHT ELECTRONICS CO., LTD



+886-2-2225-3733



+886-2-2225-4800



para@para.com.tw



11F, No. 8, Jiankang Rd., Zhonghe Dist.,
New Taipei City 23586, Taiwan



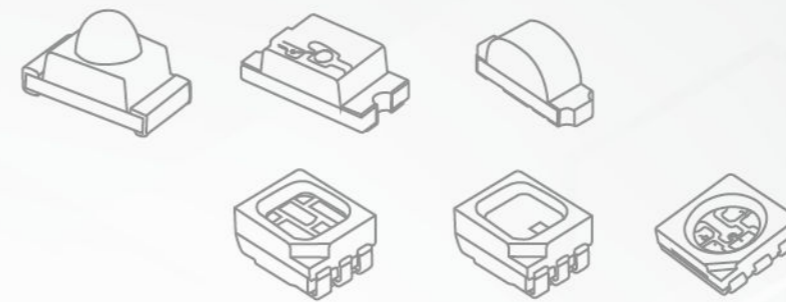
website



wechat



LED
SMD&PLCC
Led Component



About Us

Chairman Mr. David Ma Capital USD 42 million
Established in 1987 No. of Employee 1073

Founded in 1987, PARA LIGHT is now a global innovator and leader in visible and invisible LED fields. With two manufacturing plants certified with ISO 14001, ISO 9001, IATF16969, and also complies with REACH and RoHS.



Contents

04 Top View

SMD Single Color
SMD Dual Color
SMD RGB
PLCC Single Color
PLCC RGB
PLCC IR

20 Side View

SMD Single Color
SMD Dual Color
SMD RGB
PLCC Single Color

26 Dome Lens

SMD Single Color
SMD IR



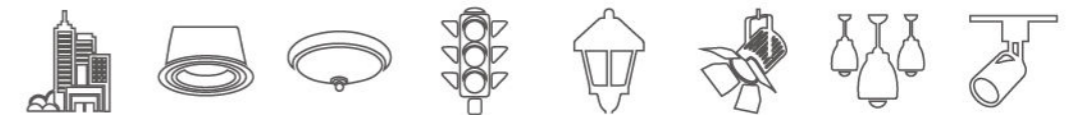
SMD & PLCC

TOP VIEW

SMD & PLCC LED

APPLICATIONS

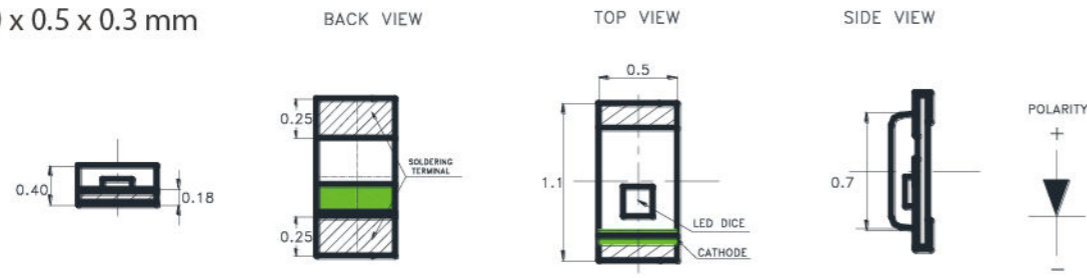
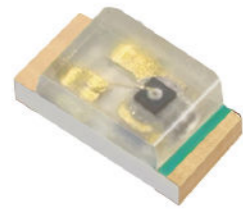
- ◆Wearable device ◆Mobile device
- ◆Medical device ◆Control panel
- ◆IoT equipment ◆TV backlight
- ◆LED lighting



SMD Single Color

0402 (LC292)

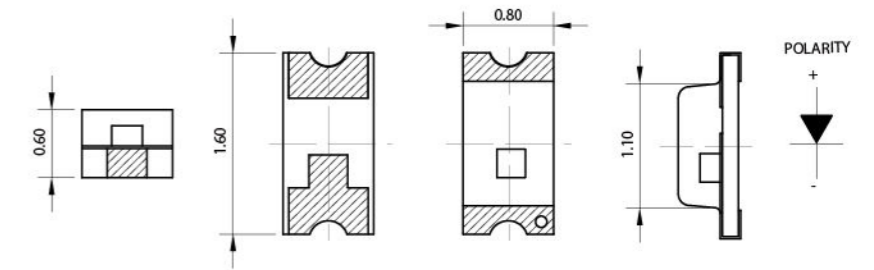
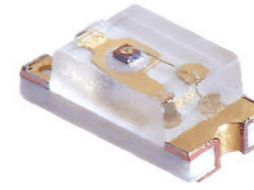
Outline Dimensions 1.0 x 0.5 x 0.3 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC292LBCT-5A	Blue	470	Water Clear	45	120	2.8	5
LC292LGCT-5A	Green	525	Water Clear	280	120	2.9	5
LC292JGCT-5A	Yellow Green	572	Water Clear	18	120	2.0	5
LC292JYCT-5A	Yellow	590	Water Clear	45	120	2.0	5
LC292JFCT-5A	Orange	604	Water Clear	45	120	2.0	5
LC292JRCT-5A	Red	630	Water Clear	28	120	2.0	5
LC292JECT-5A	Super Red	620	Water Clear	45	120	1.8	5
LC292WDT-5A	White	(0.30, 0.30)	Yellow Diffused	210	130	2.8	5

0603 (LC191)

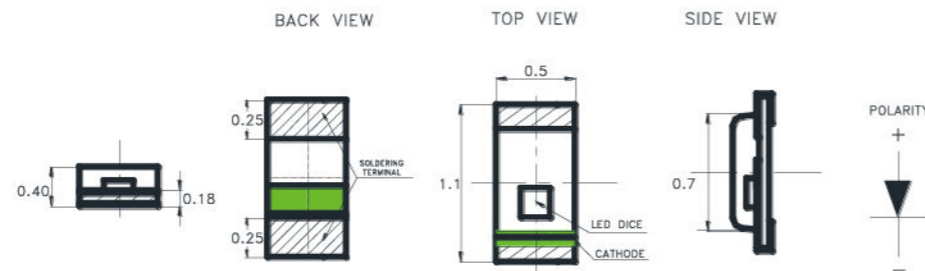
Outline Dimensions 1.6 x 0.8 x 0.4 mm



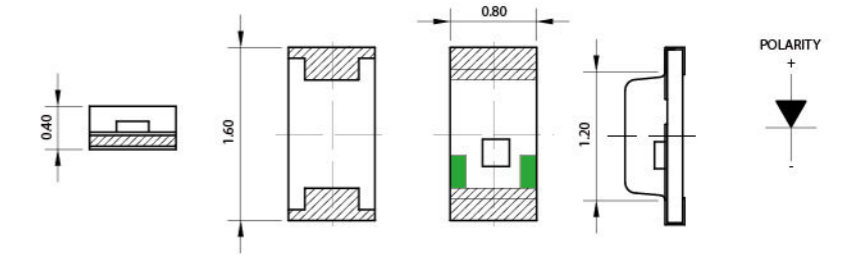
Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC191LBCT	Blue	470	Water Clear	100	130	3.0	20
LC191LGCT	Green	525	Water Clear	700	130	3.1	20
LC191JGCT	Yellow Green	570	Water Clear	30	130	2.1	20
LC191JYCT	Yellow	590	Water Clear	100	130	2.1	20
LC191KYCT	Super Yellow	590	Water Clear	100	130	2.0	30
LC191JFCT	Super Amber	605	Water Clear	50	130	1.85	5
LC191JRCT	Super Red	631	Water Clear	50	130	2.0	20
LC191WDT-5mA	White	(0.28, 0.28)	Yellow Diffused	280	130	2.7	5

0603 (LC192)

Outline Dimensions 1.6 x 0.8 x 0.4 mm



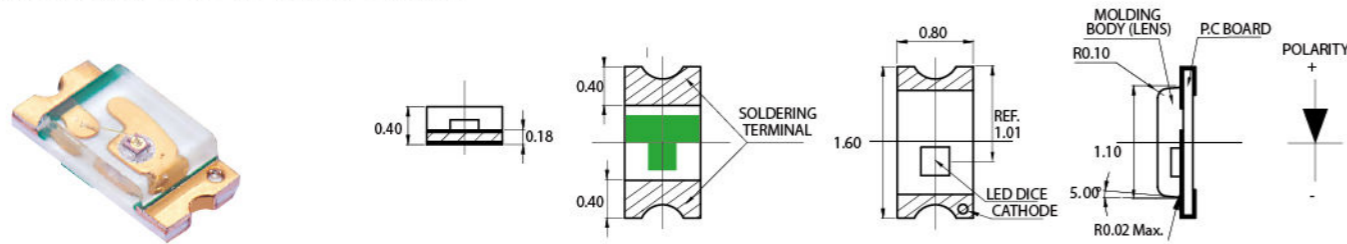
Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC292PJGCT-5A	Yellow Green	568	Water Clear	4.5	120	1.8	25
LC292PJYCT-5A	Yellow	585	Water Clear	18	120	1.8	25
LC292PJECT-5A	Orange	618	Water Clear	18	120	1.8	25
LC292WDT-5A-D	White	(0.26, 0.26)	Yellow Diffused	250	130	2.8	20
LC292WDT-NW-YY	White	(0.315, 0.310)	Yellow Diffused	210	120	2.8	20



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC192LBCT	Blue	470	Water Clear	100	130	3.2	20
LC192LGCT	Green	525	Water Clear	300	130	3.0	20
LC192JGCT-5A	Yellow Green	569	Water Clear	10	130	2.0	5
LC192JYCT	Yellow	590	Water Clear	80	130	2.1	20
LC192KFCT	Super Amber	605	Water Clear	100	130	2.0	20
LC192JRCT-5AK1	Super Red	631	Water Clear	28	130	1.9	5
LC192WDT	White	(0.30, 0.30)	Yellow Diffused	150	130	2.8	5

0603 (LC192C)

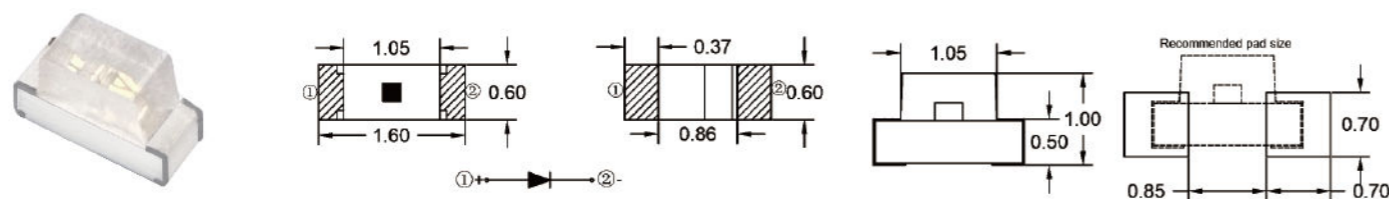
Outline Dimensions 1.6 x 0.8 x 0.4 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC192CBCT-5A	Blue	470	Water Clear	30	130	2.8	5
LC192CGCT-5A	Yellow Green	571	Water Clear	10	130	2.0	5
LC192CYCT-5A	Yellow	590	Water Clear	38	130	2.2	5
LC192CFCT-5A	Super Amber	605	Water Clear	38	130	1.8	5
LC192CRCT-5A	Super Red	631	Water Clear	12	130	1.9	5
LC192CWDT-HM	White	(0.30, 0.27)	Yellow Diffused	130	130	2.9	5

0602 (LS193)

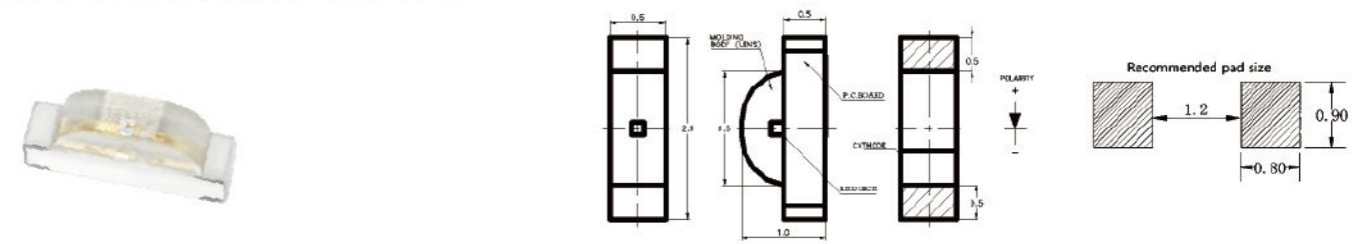
Outline Dimensions 1.6 x 0.6 x 1.0 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS193LBCT-5A	Blue	460	Water Clear	35	120	2.6	25
LS193LGCT-5A	Green	512	Water Clear	180	120	2.5	30
LS193JGCT	Yellow Green	567	Water Clear	15	120	1.8	25
LS193JYCT-5A	Yellow	587	Water Clear	20	120	1.7	25
LS193JFCT	Orange	598	Water Clear	75	120	1.8	25
LS193JRCT-5A	Red	617	Water Clear	20	120	1.7	25
LS193WDT-5A	White	(0.25, 0.24)	Yellow Diffused	220	120	2.6	30

0802 (LS171)

Outline Dimensions 2.1 x 0.6 x 1.0 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS171LBCT	Blue	460	Water Clear	75	120	2.8	30
LS171LGCT	Green	517	Water Clear	400	120	2.8	30
LS171JGCT	Yellow Green	566	Water Clear	20	120	1.8	30
LS171JYCT	Yellow	587	Water Clear	75	120	1.8	30
LS171JFCT	Orange	599	Water Clear	75	120	1.8	30
LS171KRCT	Super Red	620	Water Clear	70	120	1.8	30
LS171WDT-5A	White	(0.26, 0.29)	Yellow Diffused	140	120	2.6	20

0805 (LC170)

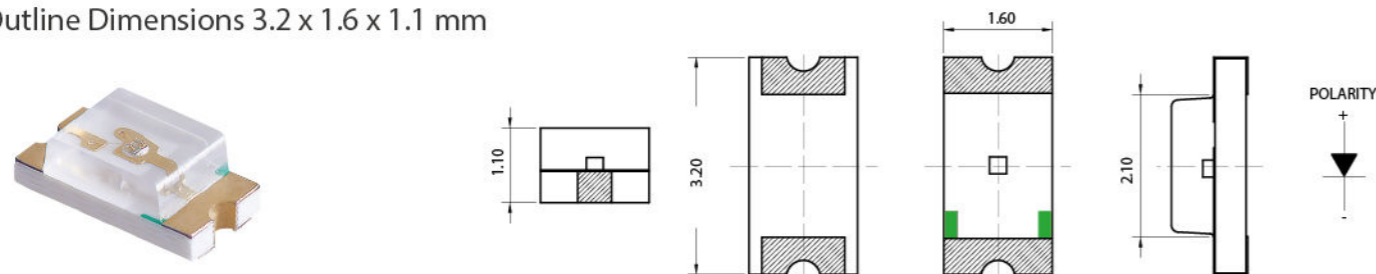
Outline Dimensions 2.0 x 1.25 x 0.8 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC170LBCT	Blue	470	Water Clear	100	130	3.2	20
LC170LGCT	Green	525	Water Clear	300	130	3.1	20
LC170JGCT	Yellow Green	570	Water Clear	40	130	2.1	20
LC170JYCT	Yellow	590	Water Clear	70	130	2.1	20
LC170JFCT	Super Amber	605	Water Clear	80	130	2.0	20
LC170JRCT	Super Red	630	Water Clear	60	130	1.9	20
LC170KRCT	Super Red	631	Water Clear	70	130	2.0	30
LC170WDT	White	(0.30, 0.30)	Yellow Diffused	500	130	3.1	20

1206 (LC150)

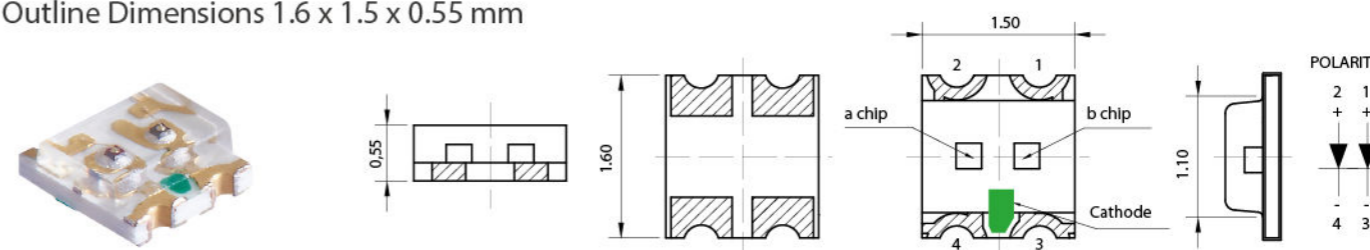
Outline Dimensions 3.2 x 1.6 x 1.1 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC150LBCT	Blue	470	Water Clear	120	130	3.3	20
LC150LGCT	Green	525	Water Clear	300	130	3.1	20
LC150KGCT	Super Green	570	Water Clear	30	130	2.05	30
LC150JGCT	Yellow Green	570	Water Clear	40	130	2.1	20
LC150JYCT	Yellow	590	Water Clear	80	130	2.1	20
LC150KYCT	Super Yellow	590	Water Clear	100	130	2.0	30
LC150JFCT	Super Amber	605	Water Clear	71	130	2.0	20
LC150JRCT	Super Red	631	Water Clear	71	130	1.9	20
LC150WDT	White	(0.275, 0.268)	Yellow Diffused	1000	130	3.0	20

0605 (LC195)

Outline Dimensions 1.6 x 1.5 x 0.55 mm

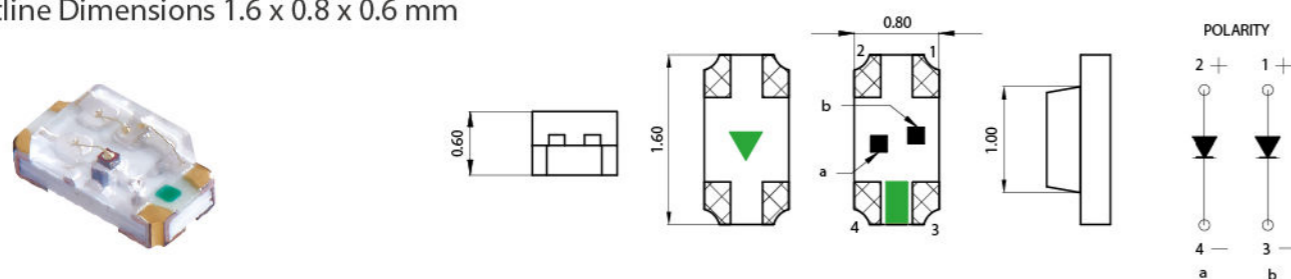


Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC195JRJGCT	Super Red	631	Water Clear	100	130	1.9	20
LC195JYJGCT	Yellow Green	570	Water Clear	30	130	1.9	20
LC195JGJYCT	Yellow Green	572	Water Clear	27	130	2.0	20
LC195JYJYCT	Yellow	590	Water Clear	90	130	2.0	20
LC195JYJGCT	Yellow	590	Water Clear	35	130	2.0	20
LC195JYJGCT	Yellow Green	570	Water Clear	18	130	2.0	20
LC195JRLBCT	Super Red	631	Water Clear	40	130	2.0	20
LC195JRLBCT	Blue	470	Water Clear	140	130	3.0	20
LC195JRLGCT-5A-FMT	Super Red	631	Water Clear	17	130	1.9	5
LC195JRLGCT-5A-FMT	Green	525	Water Clear	280	130	2.7	5
LC195JRWD-5A	Super Red	630	Yellow Diffused	18	130	2.0	5
LC195JRWD-5A	White	(0.29, 0.28)	Yellow Diffused	112	130	2.9	5

SMD Dual Color

0603 (LC295)

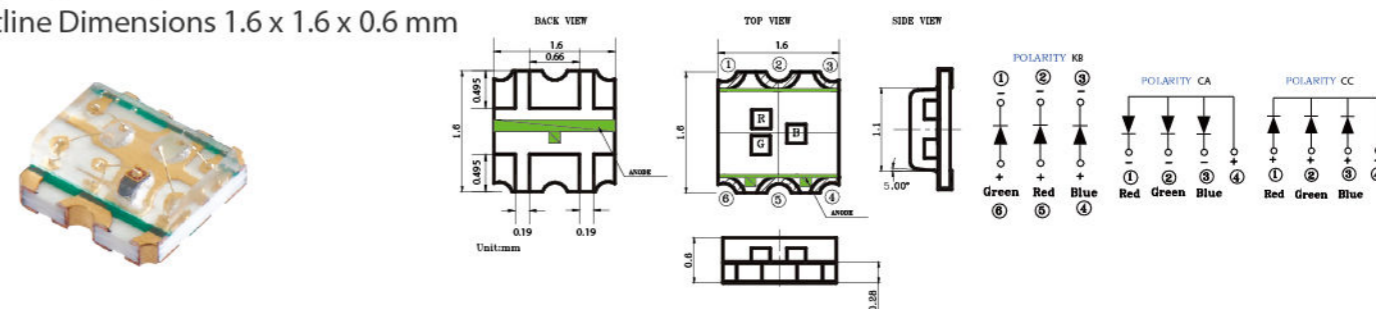
Outline Dimensions 1.6 x 0.8 x 0.6 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC295JRJGCT	Super Red	630	Water Clear	47.5	130	1.9	20
LC295JRJGCT	Yellow Green	567	Water Clear	20.5	130	2.0	20
LC295JYJGCT	Yellow	590	Water Clear	72	130	1.9	20
LC295JYJGCT	Yellow Green	570	Water Clear	45	130	2.0	20
LC295KYL GCT-BIC-5A	Green	525	Water Clear	250	130	2.6	5
LC295KYL GCT-BIC-5A	Yellow	590	Water Clear	30	130	1.9	5
LC295JRLBCT	Super Red	631	Water Clear	60	130	2.0	20
LC295JRLBCT	Blue	470	Water Clear	160	130	3.1	20
LC295JRWD-5A	Super Red	630	Yellow Diffused	14	130	1.8	20
LC295JRWD-5A	White	(0.325, 0.300)	Yellow Diffused	72	130	2.9	20

0606 (LC19F)

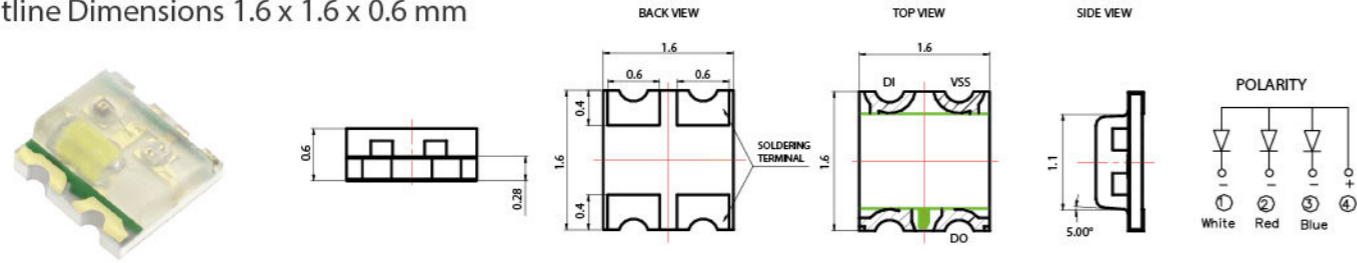
Outline Dimensions 1.6 x 1.6 x 0.6 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC19F1RGBCT-KB	Super Red	621	Water Clear	36	130	1.9	2
LC19F1RGBCT-KB	Green	532	Water Clear	120	130	2.3	2
LC19F1RGBCT-KB	Blue	467	Water Clear	15	130	2.6	2
LC19F1RGBCT-CA	Super Red	623	Water Clear	112	130	1.9	20
LC19F1RGBCT-CA	Green	525	Water Clear	450	130	3.1	20
LC19F1RGBCT-CA	Blue	470	Water Clear	112	130	3.0	20
LC19F1RGBCT-CC	Super Red	623	Water Clear	320	130	2.0	20
LC19F1RGBCT-CC	Green	525	Water Clear	450	130	3.1	20
LC19F1RGBCT-CC	Blue	470	Water Clear	112	130	3.1	20

0606 (LC19F1RBCT)

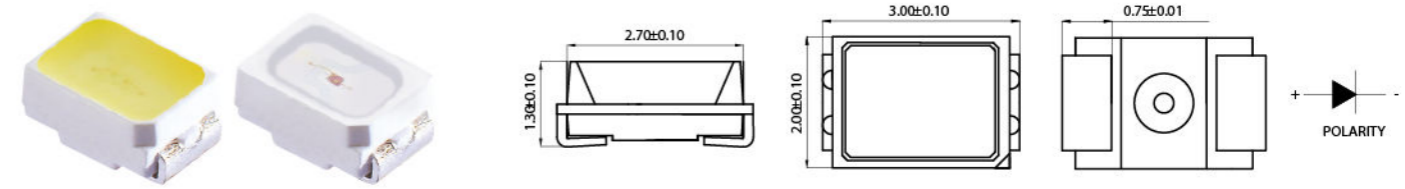
Outline Dimensions 1.6 x 1.6 x 0.6 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC19F1RBWCT-CA	● Super Red	620	Water Clear	11.2	130	2.2	25
	● Blue	470		28		3.0	
	○ White	(0.29, 0.30)		71		3.0	

3020 (LT650WDT)

Outline Dimensions 3.0 x 2.0 x 1.3 mm

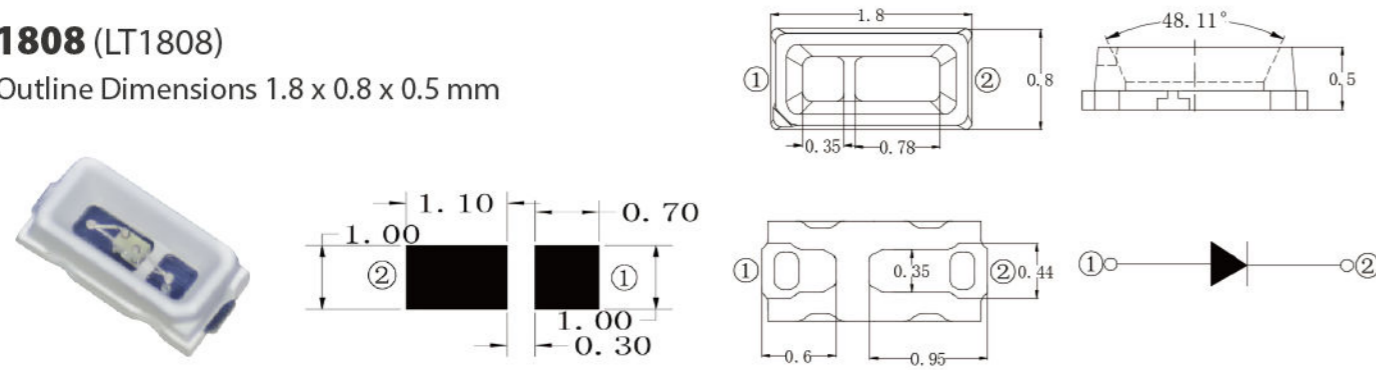


Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT650WDT	○ White	7000 ~ 9000	Yellow Diffused	3050	120	3.5	20
LT650WDT-NW	○ White	4000 ~ 5000	Yellow Diffused	2000	120	3	20
LT650WDT-WW	○ White	2500 ~ 3000	Yellow Diffused	1800	120	3	20

PLCC Single Color

1808 (LT1808)

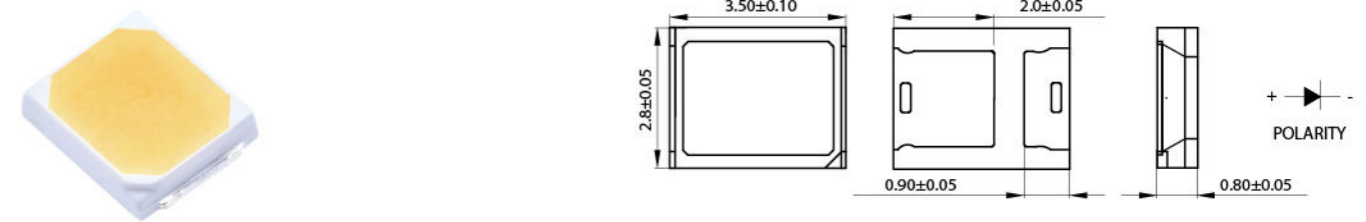
Outline Dimensions 1.8 x 0.8 x 0.5 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT1808LBCT	● Blue	462	Water Clear	280	120	2.8	25
LT1808LGCT	● Green	519	Water Clear	1050	120	2.8	25
LT1808KGCT	● Yellow Green	570	Water Clear	42	120	1.8	30
LT1808JYCT	● Yellow	586	Water Clear	100	120	1.8	25
LT1808KRCT	● Red	618	Water Clear	200	120	1.8	30
LT1808WDT-CW	○ White	(0.31, 0.34)	Water Clear	1500	120	2.8	20

2835 (LT2835WDT)

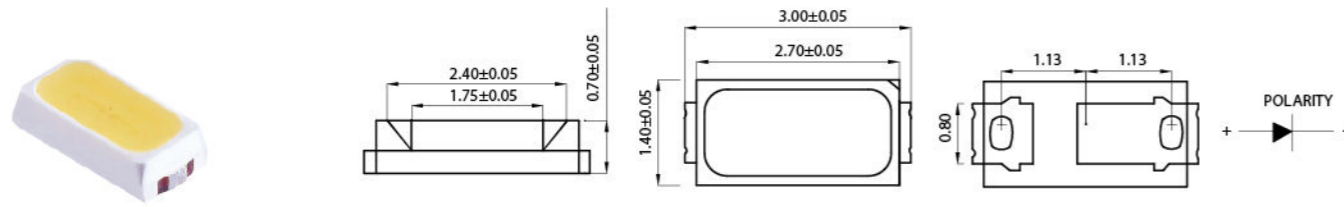
Outline Dimensions 2.8 x 3.5 x 0.8 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT2835WDT-CW	○ White	7000 ~ 9000	Yellow Diffused	650	120	3	60
LT2835WDT-NW	○ White	4000 ~ 5000	Yellow Diffused	6800	120	3	60
LT2835WDT-WW	○ White	2500 ~ 3000	Yellow Diffused	6200	120	3	60
LT2835WDT-CW	○ White	7000 ~ 9000	Yellow Diffused	6500	120	3	150
LT2835WDT-NW	○ White	4000 ~ 5000	Yellow Diffused	6800	120	3	150
LT2835WDT-WW	○ White	2500 ~ 3000	Yellow Diffused	620	120	3	150

3014 (LT3014WDT)

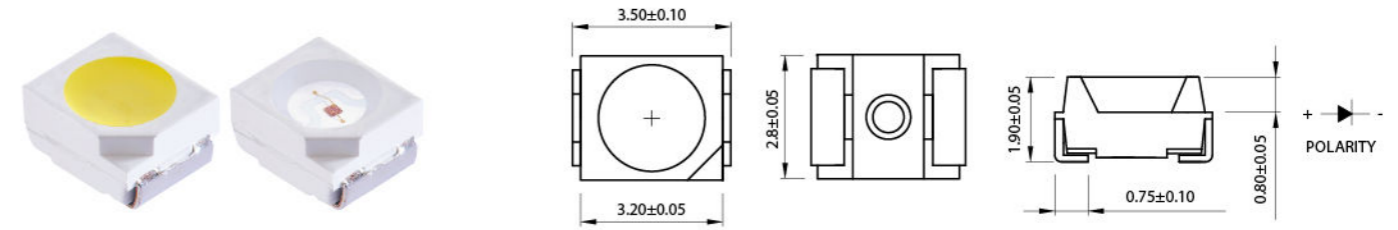
Outline Dimensions 3.0 x 1.4 x 0.7 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT3014CWDT	White	5500 ~ 6500	Yellow Diffused	3000	120	3	20
LT3014NWDT	White	4000 ~ 5000	Yellow Diffused	3400	120	3	20
LT3014WWDT	White	2850 ~ 3250	Yellow Diffused	3200	120	3	20

3528 (LT670WDT)

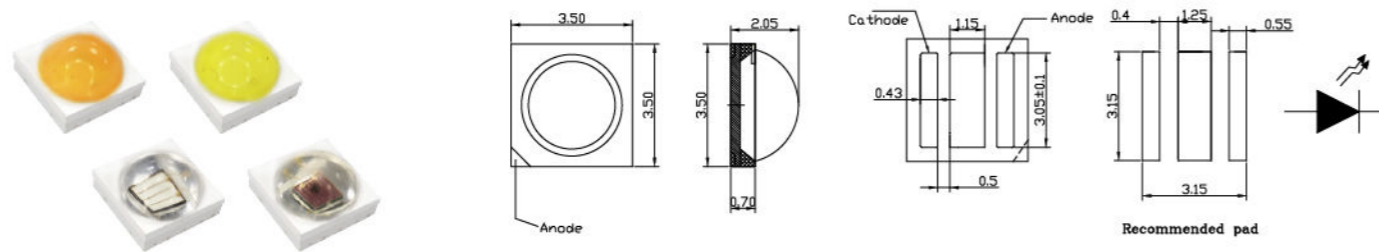
Outline Dimensions 3.5 x 2.8 x 1.9 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT670WDT-CW	White	7000 ~ 9000	Yellow Diffused	2500	120	3	20
LT670WDT-NW	White	6000 ~ 7000	Yellow Diffused	2400	120	3	20
LT670WDT-WW	White	2400 ~ 3800	Yellow Diffused	9500	30	3	20

3535 (LT3535)

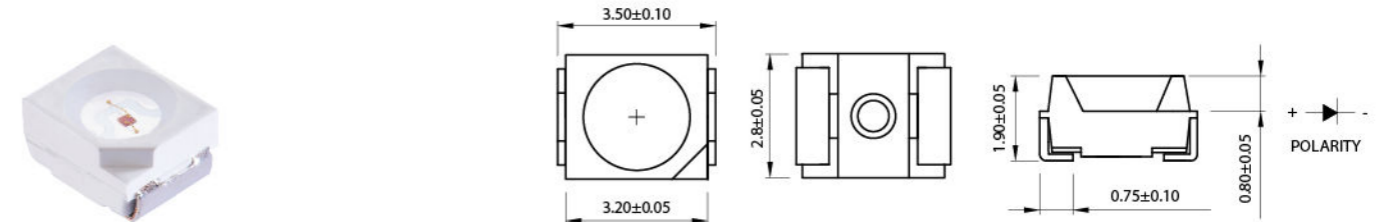
Outline Dimensions 3.5 x 3.5 x 2.05 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT3535LBCT	Blue	470	Water Clear	45	120	3.1	350
LT3535LGCT	Green	525	Water Clear	100	120	3.2	350
LT3535KRCT	Super Red	621	Water Clear	70	120	2.3	350
LT3535YWCT	Amber	(0.56, 0.44)	Water Clear	110	120	3.1	350
LT3535WCT	White	6300 K	Water Clear	150	120	3.0	350

3528 (LT670)

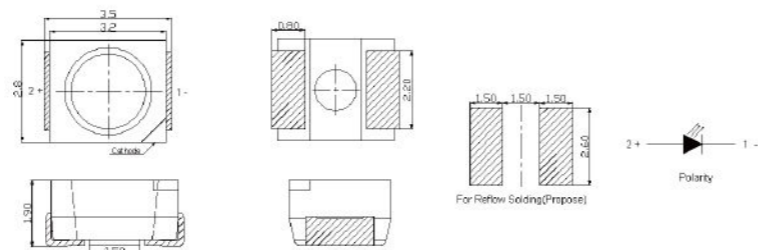
Outline Dimensions 3.5 x 2.8 x 1.9 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT670LBCT	Blue	470	Water Clear	480	120	3	20
LT670LGCT	Green	520	Water Clear	1500	120	2.9	20
LT670KGCT	Yellow Green	570	Water Clear	100	120	2	20
LT670TYCT	Yellow	590	Water Clear	715	120	2.0	20
LT670KFCT	Super Amber	605	Water Clear	190	120	2.0	20
LT670KRCT	Super Red	630	Water Clear	100	120	2.0	20

3528 (LT670)

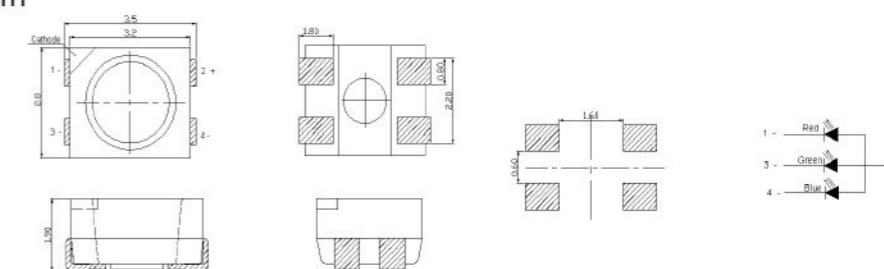
Outline Dimensions 3.5 x 2.8 x 1.9 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT670KRCT-BKS	Red	625	Water Clear	850	120	2.0	20
LT670LBCT-BKS	Blue	470	Water Clear	1500	120	3.4	20
LT670LGCT-BKS	Pure Green	525	Water Clear	2000	120	3.4	20

PLCC RGB**3528 (LT67FRGBCT)**

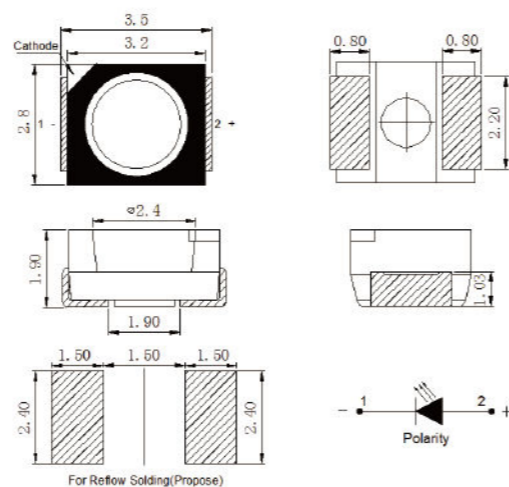
Outline Dimensions 3.5 x 2.8 x 1.9 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT67FRGBCT-4PIN-BKS	Red	630	Water Clear	700	120	2.0	20
	Green	525		3.0		20	
	Blue	475		3.0		20	

3528 (LT670)

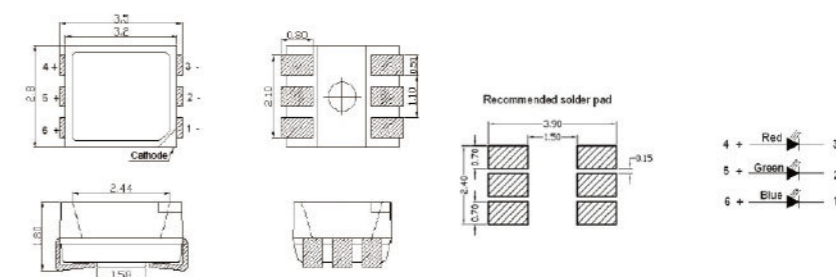
Outline Dimensions 3.5 x 2.8 x 1.9 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT670LBCT-UV-B	Blue	465	Water Clear	200	120	3.0	20
LT670KGCT-UV-B	Green	525	Water Clear	1200	120	3.0	20
LT670KRCT-UV-B	Red	625	Water Clear	500	120	2.0	20
LT670XYCT-UV-B	Amber	590	Water Clear	500	120	2.0	30
LT670WDT-UV-WW-B	Warm White	1600 ~ 1700	Yellow Diffused	1500	120	2.9	30
LT670WDT-UV-CW-B	Cold white	6300 ~ 6800	Yellow Diffused	2500	120	3.0	30

3528 (LT67FRGBCT)

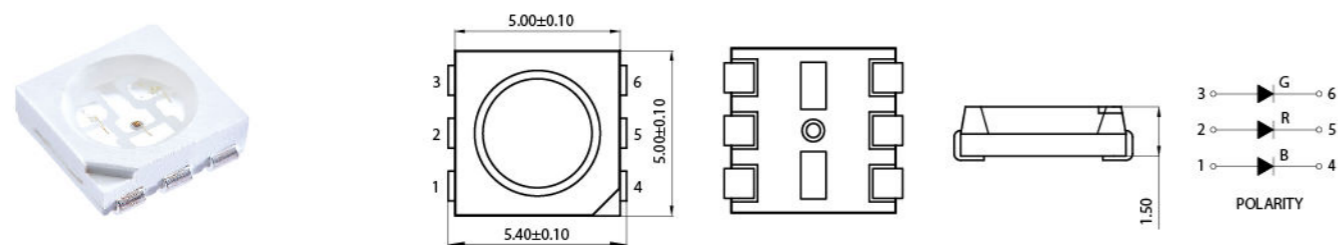
Outline Dimensions 3.5 x 2.8 x 1.8 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT67FRGBCT-BKS	Red	630	Water Clear	954	120	2.4	20
	Green	535		3.4		20	
	Blue	470		3.4		20	

5050 (LT69FRGB)

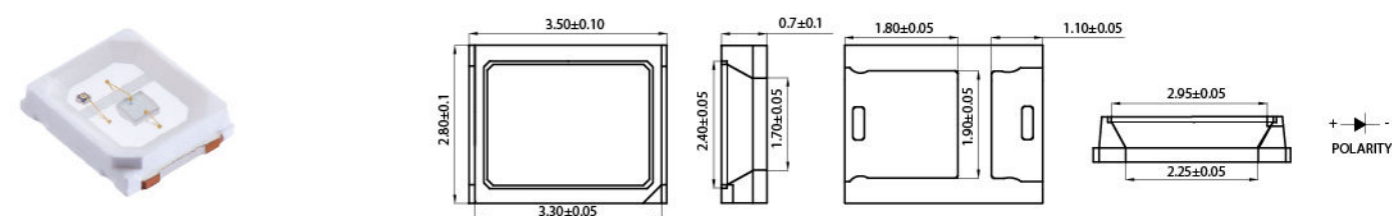
Outline Dimensions 5.0 × 5.0 × 1.5 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT69FRGBCT	● Super Red	628	Water Clear	500	120	2.0	20
	● Green	525		3.0			
	● Blue	465		3.0			

PLCC IR**2835** (LT2835IR)

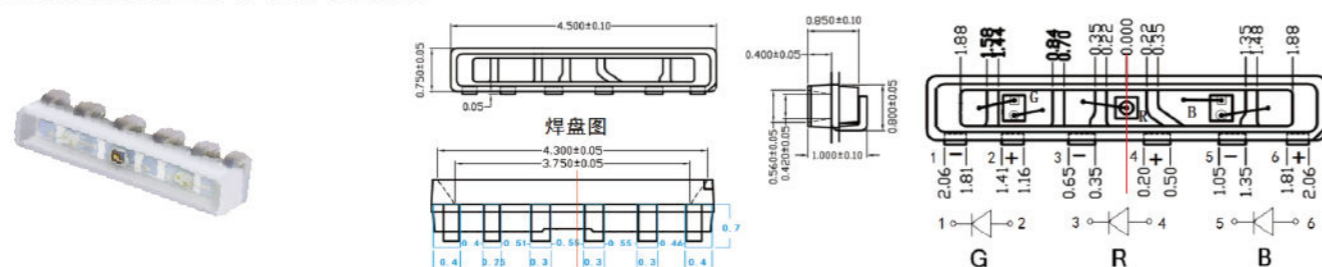
Outline Dimensions 2.8 x 3.5 x 0.7 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT2835IR4CT-20	IR	850	Water Clear	250	130	1.6	250
LT2835IR4CT-24	IR	850	Water Clear	350	130	1.6	150

LS020 (LS020GRBCT)

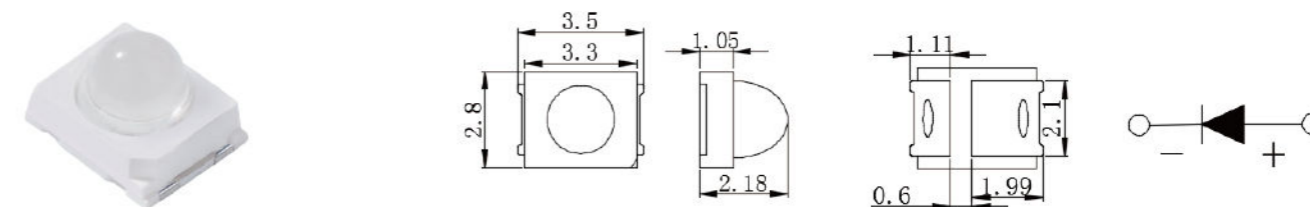
Outline Dimensions 0.7 x 4.5 x 1.0 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS020GRBCT-HH	● Red	622	Water Clear	600	120	2.0	20
	● Green	520		3.0			
	● Blue	469		3.0			

2835 (LT2835IR)

Outline Dimensions 2.8 x 3.5 x 2.18 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT2835IR4CT-30	IR	850	Water Clear	150	30	1.5	150
LT2835IR4CT-60	IR	850	Water Clear	150	60	1.5	150
LT2835IR4CT-90	IR	850	Water Clear	80	90	1.5	150



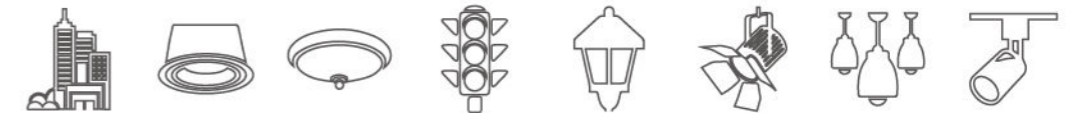
SMD & PLCC

SIDE VIEW

SMD & PLCC LED

APPLICATIONS

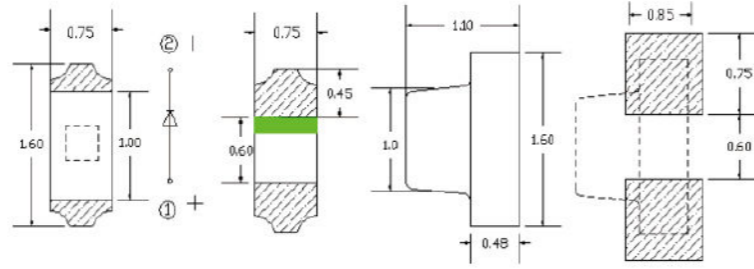
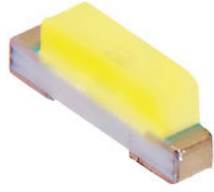
- ◆Wearable device ◆Mobile device
- ◆Medical device ◆Control panel
- ◆IoT equipment ◆TV backlight
- ◆LED lighting



SMD Single Color

0603 (LS193)

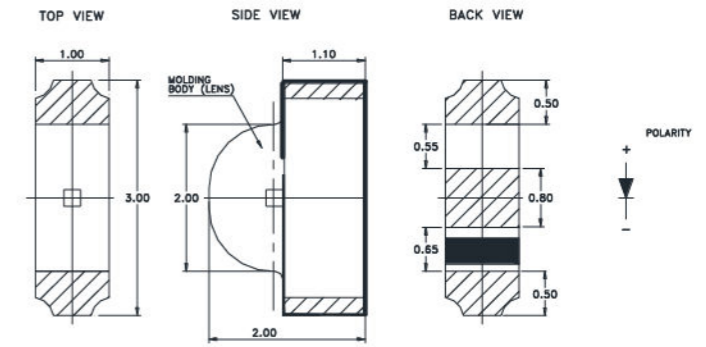
Outline Dimensions 1.6 X 0.75 x 1.1 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS193TBCT-YY	Blue	466	Water Clear	58	120	2.9	5
LS193LGCT-YY	Green	522	Water Clear	250	120	2.9	5
LS193JGCT-YY	Yellow Green	571	Water Clear	34	130	2.1	20
LS193JYCT-R-YY	Yellow	590	Water Clear	120	120	2.1	20
LS193JFCT-YY	Orange	602	Water Clear	120	120	2.1	20
LS193JRCT-YY	Super Red	624	Water Clear	145	120	2.1	20
LS193WDT-2A-YY	White	(0.248 0.22)	Yellow Diffused	100	120	2.8	2

1204 (LS111)

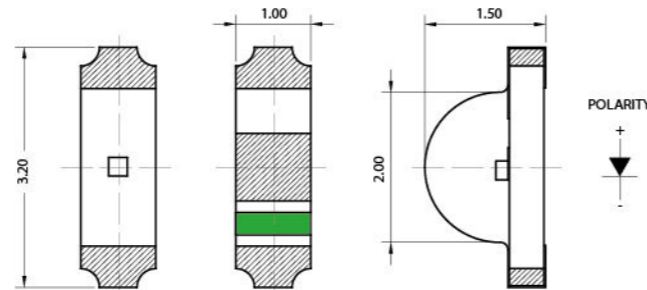
Outline Dimensions 3.0 x 1.0 x 2.0 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS111LBCT-5A	Blue	460	Water Clear	50	130	2.8	25
LS111LGCT-5A	Green	527	Water Clear	280	130	2.6	25
LS111JGCT-5A	Yellow Green	570	Water Clear	10	130	1.85	25
LS111KYCT-5A	Yellow	590	Water Clear	25	130	1.9	25
LS111KFCT-5A	Amber	605	Water Clear	30	130	1.9	25
LS111KRCT-5A	Red	625.5	Water Clear	25	130	1.85	25
LS111WDT-5A	White	(0.28, 0.28)	Yellow Diffused	112	130	2.5	20

1204 (LS110)

Outline Dimensions 3.2 x 1.0 x 1.5 mm

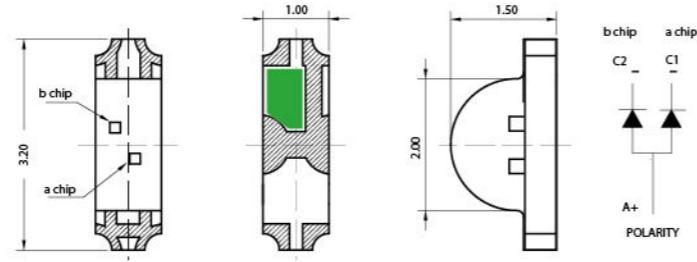


Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS110LBCT	Blue	470	Water Clear	120	130	3.2	20
LS110LGCT	Green	525	Water Clear	300	130	3.1	20
LS110JGCT	Yellow Green	570	Water Clear	50	130	2.05	20
LS110JYCT	Yellow	590	Water Clear	70	120	2.05	20
LS110JFCT	Super Amber	605	Water Clear	112	130	2.0	20
LS110JRCT	Super Red	631	Water Clear	60	130	1.9	20
LS110WDT-LCFC	White	(0.27, 0.26)	Yellow Diffused	80	130	2.8	5

SMD Dual Color

1204 (LS115)

Outline Dimensions 3.2 x 1.0 x 1.5 mm

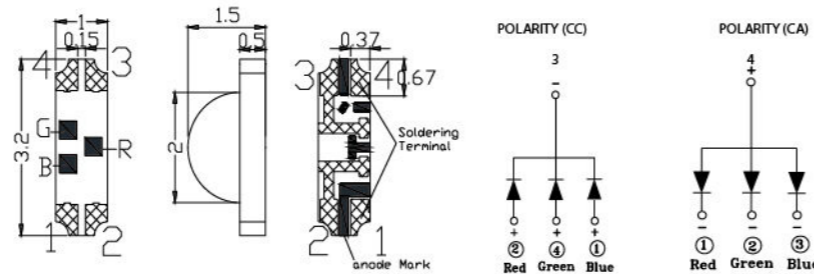
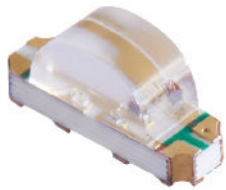


Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS115JRJGCT-5A	● Super Red	630	Water Clear	15	130	1.9	5
	● Yellow Green	570		8		2.0	
LS115JFLGCT	● Orange	605	Water Clear	100	130	2.0	20
	● Green	525		600		3.1	
LS115JFJGCT	● Super Amber	605	Water Clear	112	130	2.0	20
	● Yellow Green	570		28		2.0	
LS115KFLBCT	● Super Amber	605	Water Clear	180	130	2.0	20
	● Blue	470		150		3.0	
LS115JFWDTC-LCFC	● Super Amber	605	Yellow Diffused	18	130	2.0	5
	○ White	(0.26, 0.24)		80		2.8	

SMD RGB

1204 (LS11F)

Outline Dimensions 3.2 x 1.0 x 1.5 mm

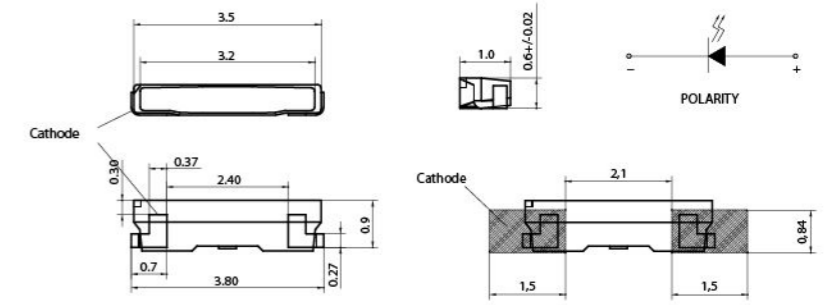


Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS11F1RGBCT-CC	● Super Red	623	Water Clear	180	130	1.9	10
	● Green	525		450		3.1	
	● Blue	470		112		3.1	
LS11F1RGBCT-CA-XM	● Super Red	623	Water Clear	180	130	2.0	20
	● Green	520		900		3.1	
	● Blue	465		180		3.1	

PLCC Single Color

LS020 (LS020WDT)

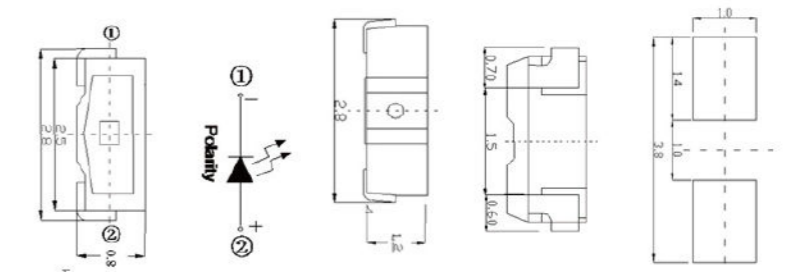
Outline Dimensions 3.5 x 1.0 x 0.9mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS020WDT	○ White	6500 ~ 7500	Yellow Diffused	3000	110	3.0	20
LS020WWDT	○ White	2000 ~ 3000	Yellow Diffused	2500	120	3.0	20

LS2812 (LS2812WDT)

Outline Dimensions 2.8 x 0.8 x 1.2mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LS2812WDT	○ White	0.29, 0.29	Yellow Diffused	1600	120	5	20
LS2812HECT	● Red	630	Yellow Diffused	140	120	5	20
LS2812LGCT	● Green	521	Yellow Diffused	720	120	5	20
LS2812KYCT	● Yellow	592	Yellow Diffused	180	120	5	20
LS2812LBCT	● Blue	472	Yellow Diffused	230	110	3	20



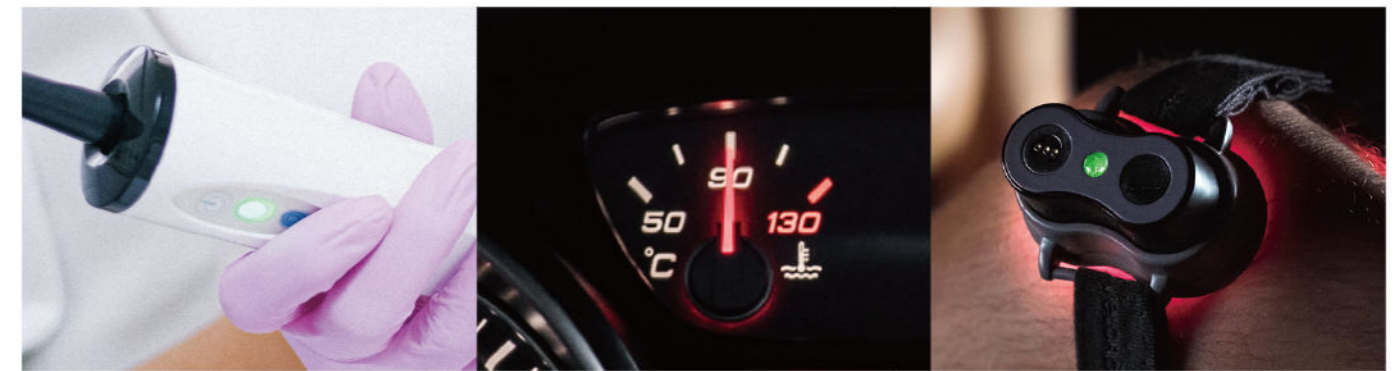
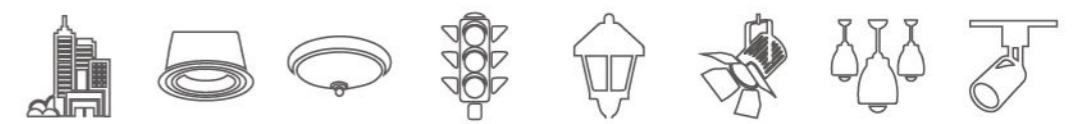
SMD & PLCC

DOME LENS

SMD & PLCC LED

APPLICATIONS

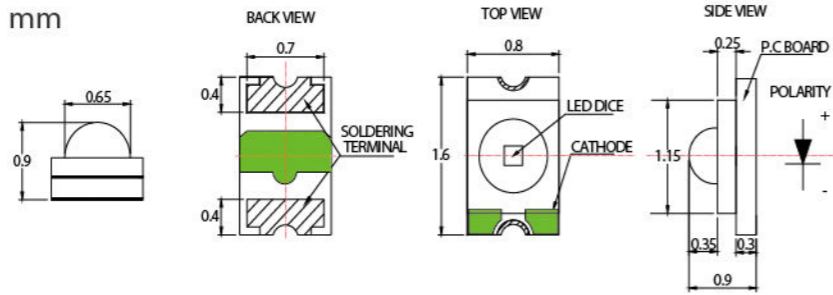
- ◆Wearable device ◆Mobile device
- ◆Medical device ◆Control panel
- ◆IoT equipment ◆TV backlight
- ◆LED lighting



SMD Single Color

0603 (LC19D)

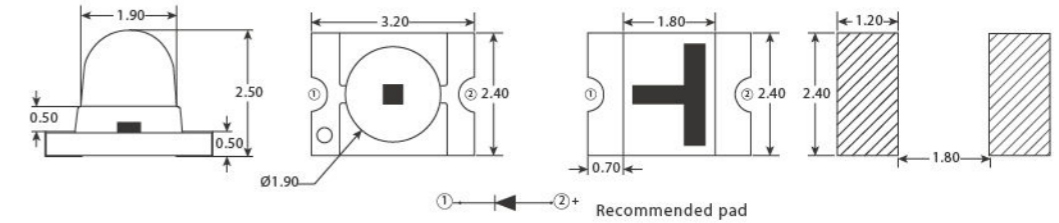
Outline Dimensions 1.6 X 0.75 x 1.1 mm



Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC19DLBCT-2mA-XG	Blue	469	Water Clear	80	60	2.6	2
LC19DLGCT-2mA-XG	Green	530	Water Clear	310	60	2.5	2
LC19DYGCT-2mA-XG	Yellow Green	571	Water Clear	20	60	1.9	2
LC19DJYCT-2mA-XG	Yellow	593	Water Clear	60	60	1.9	2
LC19DJECT-2mA-XG	Super Amber	605	Water Clear	80	60	1.9	2
LC19DJRCT-2mA-XG	Red	623	Water Clear	80	60	1.9	2
LC19DLBCT-XG	Blue	433	Water Clear	430	60	3.0	20
LC19DLGCT-XG	Green	525	Water Clear	1500	60	3.0	20
LC19DKGCT-XG	Yellow Green	571	Water Clear	200	60	2.0	20
LC19DKYCT-XG	Yellow	593	Water Clear	500	60	2.0	20
LC19DJECT-XG	Super Amber	605	Water Clear	440	60	2.0	20
LC19DJRCT-XG	Red	624	Water Clear	440	60	2.0	20

3224 (LC3224)

Outline Dimensions 3.2 X 2.4 x 2.5 mm

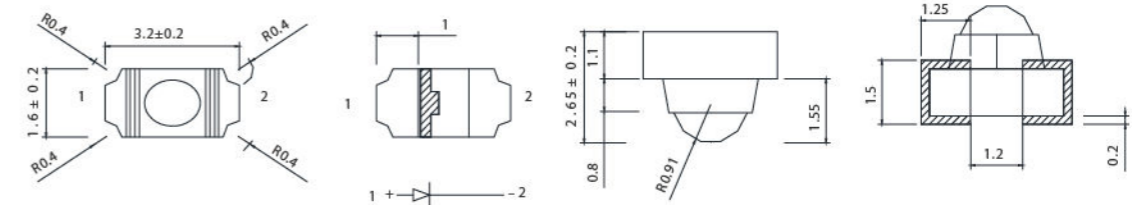
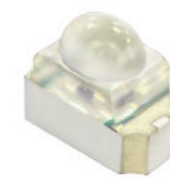


Part No.	Color	Wavelength λ_d (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity I_v (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LC3224DKGCT	Yellow Green	570	Water Clear	280	550	20	20
LC3224DLGCT	Yellow Green	570	Water Clear	7500	14000	20	20
LC3224DJECT	Super Amber	605	Water Clear	1050	2350	20	20
LC3224DKRCT	Red	630	Water Clear	690	1600	20	20
LC3224DKYCT	Yellow	590	Water Clear	450	1800	20	20
LC3224DLBCT	Blue	470	Water Clear	280	550	20	20
LC3224DWDCT	White	X 0.3001~0.331 Y 0.3055~0.3529	Yellow Diffused	@5mA 130	@5mA 220	120	5

SMD IR

1208IR (LS15)

Outline Dimensions 3.2 x 1.6 x 2.65 mm



Part No.	Wavelength λ_p (nm)	Forward Current I_f (mA)	Radiant Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Viewing Angle(°)
			Min.	Typ.		
LS15CAIR1C-RB	940 nm	20	16	20	1.30	X60, Y30
LS15DCEIR1CT	940 nm	20	6	13	1.30	X60, Y30

Headquarter

光鼎電子股份有限公司 Para Light Electronics Co., Ltd.

新北市中和區建康路8號11樓
11F, No. 8, Jiankang Rd., Zhonghe Dist.
New Taipei City, 23586 Taiwan
T +886-2-2225-3733 F +886-2-2225-4800
para@para.com.tw www.para.com.tw

Branch Offices

美國光鼎分公司 Para Light Corp. USA

515 Spanish Lane, Suite B, Walnut, CA 91789
F+909-468-4876 T+909-468-4866
sales@paralightusa.com www.paralightusa.com

印度光鼎分公司 Para Light India Pvt. Ltd.

No.979, 9th Floor, Aggarwal Cyber Plaza-2,
Netaji Subhash Place, Pitampura, New Delhi- 110034, India
T+011-41086226
abhinav.jha@para-india.com www.para.com.tw

連雲港光鼎電子有限公司 Para Light Lianyungang Electronics Co., Ltd.

中國江蘇省連雲港市灌南縣經濟開發區威海路8號
No.8, Wei Hai Rd., Guannan Economics Deveopment Zone,
Lianyungang City, Jiangsu Province, 223500, China
T+86-518-8369-2888 F+86-518-8369-2899
para@para.com.tw www.para.com.tw/zh-hans/

南京華鼎電子有限公司 Para Light Nanjing Electronics Co., Ltd.

中國江蘇省南京市江寧區湯山街湯泉西路1號
No.1, Tanguan W. Rd., Tangshan Ave., Jianning Dist. Nanjing City,
Jiansu Province, 211131 China
T+86-25-8410-7685 F+86-25-8410-7684
para@para.com.tw www.para.com.tw/zh-hans/

緬甸光鼎電子有限公司(仰光) Para Light Yangon Electronics Co., Ltd. (Myanmar)

No. 212, Pyin Si Minthar Gyi Street, Shwe Lin Ban Industry,
Hlaing Thar Yar Township, Yangon, Myanmar
T+95-9776964540
susie@parahk.com www.para.com.tw

Factories

Greater China Sales Teams

蘇州光鼎電子有限公司 East China Para Light (SUZHOU) Electronics Co., Ltd.

蘇州新區獅山路199號新地中心2104室
Room 2104, Xindi Center Building, No.199, Shishan Road Suzhou City,
Jiangsu Province, 215011 China
T+86-137-6164-0200 F+86-512-6809-7669
slssz@paralight.com.cn

光鼎深圳實業有限公司 South China Para Light (SHENZHEN) Electronics Co., Ltd.

中國深圳市龍華區龍華街道龍觀東路57號時代大廈1310-1312室
Room 1310-1312, Times Building, No. 57 Long Guan Dong Road,
Longhua Street, Longhua District, Shenzhen, 518110 China
T+86-189-2747-1103
eddy@paralight.com.cn

青島光鼎電子有限公司 North China Para Light (QINGDAO) Electronics Co., Ltd.

山東省青島市市北區山東路109號3號樓2901室
Room 2901, Building 3, No. 109 Shandong Road, Shibe District,
Qingdao, Shandong Province, 266000 China
T+0532-85692571 / 18626429477



Para Light Headquarters

Para Light Lianyungang



Para Light Nanjing

Para Light USA

Para Light India

Para Light Yangon