

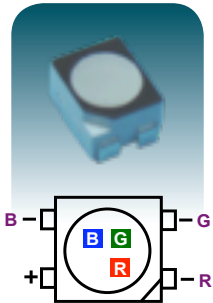
# SMD — PLCC Series

## ■ PLCC2, Top View, 3.5 x 2.8 x 1.9 mm



Product	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
			Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP670-IB	Blue	20	460	475	3.2	3.8	200	300	120
QBLP670-IG	True Green	20	515	535	3.2	3.8	800	1125	120
QBLP670-R	Red	20	620	635	1.9	2.4	320	630	120
QBLP670-AG	Yellow Green	20	564	576	1.9	2.4	70	100	120
QBLP670-Y	Yellow	20	582	595	1.9	2.4	450	715	120
QBLP670-O	Orange	20	600	612	1.9	2.4	140	320	120
			CCT (K)						
			Min.	Max.					
QBLP670-IW	White	20	5250	7500	3.2	3.8	1800	2250	120

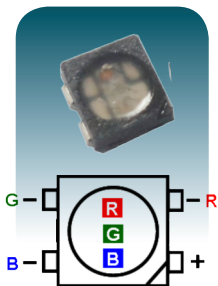
## ■ PLCC4, Top View, 3.5 x 2.8 x 1.9 mm



Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP677-RGB1	Black Face	Red	20	615	635	1.9	2.6	360	500	120
		True Green	20	520	540	3.2	3.8	715	1400	120
		Blue	20	460	480	3.2	3.8	140	210	120

Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP677-RGB2	Black Face	Red	20	615	635	1.9	2.6	140	230	120
		True Green	20	520	540	3.2	3.8	550	700	120
		Blue	20	460	480	3.2	3.8	110	140	120
QBLP677-RGB3	Black House	Red	20	615	635	1.9	2.6	220	330	120
		True Green	20	520	540	3.2	3.8	350	500	120
		Blue	20	460	480	3.2	3.8	75	100	120

## ■ Top View, 2.1 x 2.1 x 1.0 mm

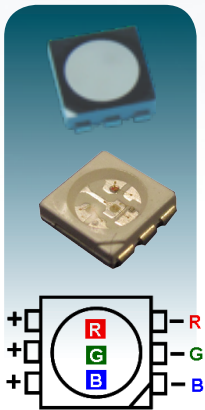


Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP675-RGB2	Black House	Red	20	615	635	1.9	2.6	-	230	120
		True Green	20	520	540	3.2	3.8	-	450	120
		Blue	20	460	480	3.2	3.8	-	100	120

## ■ PLCC6, Top View, 5.0 x 5.0 x 1.6 mm



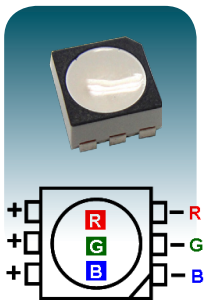
Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP679-RGB	White Face	Red	20	621	636	1.9	2.6	340	530	120
		True Green	20	520	535	3.2	3.8	900	1300	120
		Blue	20	461	476	3.2	3.8	210	280	120
QBLP679-RGB1	Black Face	Red	20	621	636	1.9	2.6	320	630	120
		True Green	20	520	535	3.2	3.8	900	1600	120
		Blue	20	461	476	3.2	3.8	200	260	120



Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP679-RGB4	Black Face	Red	20	615	635	1.9	2.6	460	570	120
		True Green	20	520	540	3.2	3.8	780	1500	120
		Blue	20	460	480	3.2	3.8	120	260	120
QBLP679-RGB5	White Face	Red	20	615	635	1.9	2.6	270	600	120
		True Green	20	520	540	3.2	3.8	600	1000	120
		Blue	20	460	480	3.2	3.8	120	210	120
				CCT (K)						
				Min.	Max.					
QBLP679-IWK	White Face	White	60*	5250	7500	3.2	3.8	3600	5500	120

\*Total forward current for three dies

## ■ PLCC6, Top View, 5.0 x 5.0 x 2.6 mm



Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP679-RGB3	Black Face	Red	20	621	636	1.9	2.6	340	530	120
		True Green	20	520	535	3.2	3.8	900	1300	120
		Blue	20	461	476	3.2	3.8	210	280	120

## ■ U LED, Top View, 3.0 x 2.0 x 1.3 mm



Product	Type	Color	I <sub>F</sub> (mA)	λ <sub>D</sub> (nm)		V <sub>F</sub> (V)		I <sub>v</sub> (mcd)		Viewing Angle
				Min.	Max.	Typ.	Max.	Min.	Typ.	2θ1/2
QBLP676-IB	White Face	Blue	20	460	480	3.2	3.8	160	300	120
QBLP676-AG	White Face	True Green	20	515	535	3.2	3.8	460	900	120
QBLP676-IG	White Face	Red	20	620	635	2	2.4	160	210	120
QBLP676-R	White Face	Yellow Green	20	564	576	1.9	2.4	70	110	120
QBLP676-Y	White Face	Yellow	20	582	595	2	2.4	90	170	120
				CCT (K)						
				Min.	Max.					
QBLP676-IW	White Face	White	20	5250	6750	3.2	3.8	1200	2250	120