



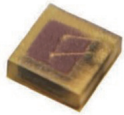
2025



**High Power LED
& Warning Light LED
series**

Warning Light LED : various packaging size

1717 series



size : 1.7 X 1.7mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PY2A-3FRE	 Red	350	2.15	30	50	620.5 nm	120°
PY2A-3FGE	 Green	350	3.10	70	90	525 nm	120°
PY2A-3FCE	 Cyan	350	3.10	40	50	505 nm	120°
PY2A-3FME	 Crimson	350	2.05	280 mW	315 mW	660 nm	120°
PY2A-3FEE	 Cherry Red	350	2.02	230 mW	275 mW	730 nm	120°
PY2A-3FLE	 UV-L	350	3.00	430 mW	480 mW	405 nm	120°



size : 1.7 X 1.7mm

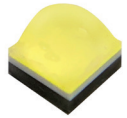
PY2B-3FWE-WFC	 White	350	3.0	116	140	5600 k	120°
PY2B-3FBE-WFC	 Blue	350	3.0	26	41.3	475 nm	120°
PY2B-3FPE-RWFC	 PC Red	350	3.0	25.5	38	615 nm	120°
PY2B-3FPE-AWFC	 PC Amber	350	3.0	88	115	589.7 nm	120°

3535 series



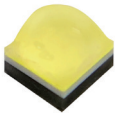
size : 3.45 X 3.45 mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PK2E-2LWE-B2R7S	 White	350	3.05	160	175	6000K	130°
PK2N-3LRE-SD	 Red	350	2.2	50	64	623 nm	130°
PK2N-3LRE-N	 Red	350	2.2	50	64	623 nm	130°
PK2N-3LGE-SD	 Green	350	3.1	80	150	525 nm	130°
PK2N-3LBE-SD	 Blue	350	3.1	23.5	29	465 nm	130°
PK2N-4LBE-MVSD	 Blue	350	3	34.9	44	475 nm	130°
PK2N-5LBE-MSD	 Blue	350	3.2	39.8	45	480 nm	130°
PK2N-2LPE-B2	 PC Blue	350	3.1	40	50	470 nm	130°
PK2N-3LPE-B3	 PC Blue	350	3.1	60	80	470 nm	130°
PK2N-2LPE-A2	 PC Amber	350	3.1	120	140	589 nm	130°
PK2E-3LPE-ASD	 PC Amber	350	3.2	80	100	589 nm	130°
PK2N-4LPE-SASD	 PC Amber	350	2.95	90	112	589 nm	130°
PK2N-3LAE-SD	 Amber	350	2.2	50	70	592 nm	130°

1616+ series

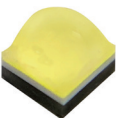
size : 2.0X 2.0mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PT2N-4LWE-WFC	 White	350	2.8	140	160	5600 K	130°
PT2N-4LPE-AWFC	 PC Amber	350	2.8	90	105	589.7 nm	130°
PT2N-4LRE-W	 Red	350	2.2	50	68	620.5 nm	130°
PT2N-4LGE-W	 Green	350	3.1	90	135	525 K nm	130°
PT2N-4LBE-WFC	 Blue	350	3.0	35	48	477.5 nm	130°

2525 series

size : 2.45X 2.45mm

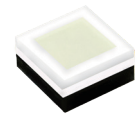
Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PV2N-4LWE-WFC	 White	350	2.8	155	170	5600 K	130°
PV2N-4LVE-WFC	 Warm White	350	2.8	130	145	2900 K	130°
PV2N-4LRE-W	 Red	350	2.2	50	70	620.5 nm	130°
PV2N-4LGE-W	 Green	350	3.1	90	136	525 K nm	130°
PV2N-4LBE-WFC	 Blue	350	3.0	35	49	477.5 nm	130°
PV2N-4LPE-AWFC	 PC Amber	350	2.8	90	110	589.7 nm	130°

2020 series

size : 2.0X 2.0mm

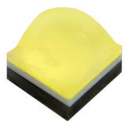
Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PT3N-4LWE-WFC	 White	350	3.0	140	160	5600 K	130°
PT3N-4LPE-AWFC	 PC Amber	350	3.0	90	105	589.7 nm	130°
PT3N-4LRE-W	 Red	350	2.2	50	68	620.5 nm	130°
PT3N-4LGE-W	 Green	350	3.1	90	135	525 K nm	130°
PT3N-4LBE-WFC	 Blue	350	3.0	35	48	477.5 nm	130°

1616 series



size : 1.6X 1.6 mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PQ2A-3FWE-WFCR95	 White	350	3.0	90	100	5340K	120°
PQ2A-3FVE-WFCR95	 Warm White	350	3.0	80	93	2900K	120°
PQ2A-4FWE-WFC	 White	350	3.0	110	125	5600K	120°
PQ2A-4FRE-W	 Red	350	2.15	30	52	623 nm	120°
PQ2A-4FGE-W	 Green	350	3.1	80	98	525 nm	120°
PQ2A-4FCE-W	 Cyan	350	3.1	60	72	505 nm	120°
PQ2A-4FBE-WFC	 Blue	350	3.1	23.5	33	475 nm	120°
PQ2A-4FDE-WFC	 Royal Blue	350	3.1	435mW	540nW	455 nm	120°
PQ2A-4FME-W	 Crimson	350	2.15	275mW	305mW	660 nm	120°
PQ2A-4FPE-AWFC	 PC Amber	350	3.0	70	80	589.7 nm	120°

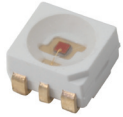


size : 1.6X 1.6 mm

PQ2N-4LWE-WFC	 White	350	3.0	140	148	5600 K	130°
PQ2N-4LNE-WFC	 Neutral White	350	3.0	140	148	4255K	130°
PQ2N-4LVE-WFCR8	 Warm White	350	3.0	110	125	2900 K	130°
PQ2N-4LRE-W	 Red	350	2.15	50	67	620.5 nm	130°
PQ2N-4LGE-W	 Green	350	3.1	90	133	525 nm	130°
PQ2N-4LME-W	 Crimson	350	2.15	335mW	380mW	660 nm	130°
PQ2N-4LBE-WFC	 Blue	350	3.0	35	47	477.5 nm	130°
PQ2N-4LDE-WFC	 Royal Blue	350	3.1	435 mW	560 mW	455 nm	130°
PQ2N-4LPE-AWFC	 PC Amber	350	3.0	80	107	589.7 nm	130°

● Warning Light LED : various packaging size

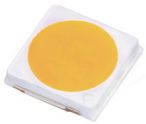
PLCC 3334



size: 3.3X 3.4mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Luminous Intensity (cd) (Min.)	Luminous Intensity (cd) (Typ.)	CCT (Typ.)	2θ _{1/2}
AL6A-RA1DF	 Red	140	2.2	5.6	7.2	621 nm	120°
AL6A-RA1DF-D2	 Red	140	2.2	9	11.5	616 nm	120°
AL6A-GA1EF	 Green	140	3.25	4.5	9	525 nm	120°
AL6A-BA1EF	 Blue	140	3.1	2.24	3.5	470 nm	120°
AL6A-PA1EF-A	 PC Amber	140	3.1	9	11.5	590.8 nm	120°

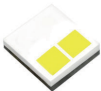
3030 series



size : 3.0 X 3.0 mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PJ2E-1FRE	 Red	350	2.60	30	42	623 nm	120°
PJ2E-1FGE	 Green	150	3.60	50	65	525 nm	120°
PJ2E-1FBE	 Blue	150	3.60	10.7	15.5	465 nm	120°
PJ2N-FFWE	 White	150	3.20	60	75	5850 K	120°
PJ2N-1FWE-2	 White	300	3.20	110	128	5850 K	120°
PJ2N-FFPE-A	 PC Amber	150	3.20	45	51	589 nm	120°
PJ2N-2FPE-A2	 PC Amber	350	3.10	100	125	589 nm	120°
AJ2N-AA1FF	 Amber	350	2.20	23.5	31.3	592 nm	120°

● Brand-new series offers high brightness.

	Watt	Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
	4	PBVR-3FWE-F1G-S	☐ White	1000	3.4	305	340	5555 K 5825 K 6150 K 6545 K	120°
	4	PBVP-4FWE-F1GR-P	☐ White	1000	3.1	375	430	5555 K 5825 K 6150 K 6545 K	120°
	7	PBVH-7FWE-F2GR-P	☐ White	1000	6.2	790	860	5555 K 5825 K 6150 K 6545 K	120°
	10	PBVJ-10FWE-F3GR-P	☐ White	1000	9.3	1140	1290	5555 K 5825 K 6150 K 6545 K	120°
	14	PBVK-14FWE-F4GR-P	☐ White	1000	12.4	1500	1720	5555 K 5825 K 6150 K 6545 K	120°

● Dual-color design headlights can switch between white and yellow light in sunny and rainy conditions, providing better nighttime visibility.

	Watt	Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
	20	PBVG-20FQE-F6GYGWA	☐ White ☐ Golden Yellow	1000 1000	10 10	950 1030	1050 1150	5620 K-6450 K 573 nm	120°



size : 1.0 X 1.0 mm

Part No.	Color	Test Current (mA)	Vf (Typ.)	Lumens (Min.)	Lumens (Typ.)	CCT (Typ.)	2θ _{1/2}
PCSP-TFWB-1010CR7	White	60	2.9	18	21	12500K	120°
PY2B-3FWE-WFCH	White	350	3.0	100	140	12500K	120°