

# KINGBRIGHT SMD LED Lamps

**Kingbright**  
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## SURFACE MOUNT LED LAMPS (CONT.)

Special Bi-Color White LEDs

RoHS Compliant This product is RoHS compliant.

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	AAA3528QWDSURKS	A	White/Hyper Red	Water Clear	630	380/200	600/320	3.3	120°	.90	.535	.444	.398
604	AAA3528QWDSYSKS	A	White/Super Bright Yellow	Water Clear	590	380/120	600/200	3.3	120°	.90	.535	.444	.398
604	AAA3528QWDCGKS	A	White/Green	Water Clear	570	380/40	600/80	3.3	120°	.92	.544	.451	.404
604	APB3025SURKQWDF	B	Hyper Red/White	Yellow Fluorescent	630	70/180	220/380	1.95	120°	.87	.515	.426	.382
604	APB3025SYKQWDF	B	Super Bright Yellow/White	Yellow Fluorescent	590	70/180	120/330	3.3	120°	.87	.515	.426	.382
604	APB3025CGKQWDF	B	Green/White	Yellow Fluorescent	570	18/180	50/380	2.1	120°	.85	.506	.419	.376
604	APT81612SURKQWDF	C	Hyper Red/White	Yellow Fluorescent	630	120/120	200/220	1.95	120°	.87	.515	.426	.382
604	APT81612SYKQWDF	C	Super Bright Yellow/White	Yellow Fluorescent	590	80/120	120/220	2.0	120°	.87	.515	.426	.382
604	APT81612CGKQWDF	C	Green/White	Yellow Fluorescent	570	20/120	55/220	2.1	120°	.85	.506	.419	.376

## 3.5 x 2.8mm SMD CHIP LED LAMP

NEW PRODUCT

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	APETD3528CGCK	D	Green	Water Clear	574	80	200	2.1	60°	.29	.21	.16	.13
604	APETD3528QBC/D	D	Blue	Water Clear	468	300	400	3.3	60°	.32	.23	.18	.15
604	APETD3528SEC	D	Super Bright Orange	Water Clear	610	500	900	2	60°	.32	.23	.18	.15
604	APETD3528SECJ3PR	D	Hyper Red	Water Clear	640	3500	4200	2	60°	.69	.49	.38	.31
604	APETD3528SYCJ3PR	D	Super Bright Yellow	Water Clear	590	700	1500	2	60°	.69	.49	.38	.31
604	APETD3528ZGC	D	Green	Water Clear	515	1000	1800	3.3	60°	.50	.36	.28	.19

## 1206 Reverse Mount

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	APTR3216SRCPRV	E	Red	Water Clear	640	20	70	1.9	120°	.18	.096	.078	.07
604	APTR3216SURCK	E	Red	Water Clear	630	50	15	1.9	120°	.18	.096	.078	.07
604	APTR3216SECK	E	Orange	Water Clear	601	40	160	2.1	120°	.18	.10	.08	.07
604	APTR3216SEC	E	Orange	Water Clear	601	40	200	2	120°	.35	.19	.15	.14
604	APTR3216SYCK	E	Yellow	Water Clear	590	30	50	2	120°	.18	.096	.078	.07
604	APTR3216YC	E	Yellow	Water Clear	588	1.6	8	2.1	120°	.17	.09	.074	.063
604	APTR3216SYC	E	Yellow	Water Clear	588	40	80	2	120°	.50	.27	.22	.20
604	APTR3216SGC	E	Green	Water Clear	570	3	12	2.2	120°	.16	.085	.069	.06

## 1206 Dome

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	APTD3216SRCPRV	F	Red	Water Clear	640	110	300	1.85	50°	.23	.126	.10	.09
604	APTD-3216SURCK	F	Red	Water Clear	635	180	500	1.95	50°	.28	.15	.12	.11
604	APTD3216EC	F	Red	Water Clear	625	10	50	2	40°	.23	.126	.10	.09
604	APTD-3216SECK	F	Orange	Water Clear	601	280	700	2.1	50°	.28	.15	.12	.11
604	APTD3216SYCK	F	Yellow	Water Clear	590	280	700	2.1	50°	.22	.151	.123	.068
604	APTD3216SGC	F	Green	Water Clear	568	10	50	2.2	40°	.23	.126	.10	.09
604	APTD3216MGC	F	Green	Water Clear	568	110	350	2.1	50°	.63	.429	.351	.312
604	APTD3216CGCK	F	Green	Water Clear	570	70	200	2.1	50°	.24	.162	.132	.118

## MINI PLCC-2

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	AA2214SURSK	G	Hyper Red	Water Clear	650	180	350	1.95	120°	.14	.114	.098	.095
604	AA2214SESK	G	Super Bright Orange	Water Clear	610	280	400	2.1	120°	.14	.114	.098	.095
604	AA2214SYSK	G	Super Bright Yellow	Water Clear	590	120	250	2	120°	.14	.114	.098	.095
604	AA2214CGSK	G	Green	Water Clear	574	50	80	2.1	120°	.14	.12	.103	.10
604	AA2214QBS/D	G	Blue	Water Clear	468	80	150	3.3	120°	.16	.136	.117	.113
604	AA2214VR4D1S-W2	G	Warm White	Water Clear	---	650	1100	3.3	120°	.45	.378	.326	.315
604	AA2214VR4D1S-N1	G	Natural White	Water Clear	---	650	1200	3.3	120°	.45	.378	.326	.315
604	AA2214VR4D1S-C1	G	Cool White	Water Clear	---	900	1300	3.3	120°	.45	.378	.326	.315

## PLCC-2

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	AA3528SURSK	H	Red	Water Clear	650	150	350	1.95	120°	.30	.177	.14	.118
604	AA3528SESK	H	Orange	Water Clear	610	200	350	2.1	120°	.30	.177	.14	.118
604	AA3528SYSK	H	Yellow	Water Clear	590	80	200	2	120°	.30	.177	.14	.118
604	AA3528CGSK	H	Green	Water Clear	574	40	100	2.1	120°	.31	.183	.144	.121
604	AA3528SGS	H	Green	Water Clear	565	12	25	2.2	120°	.26	.153	.12	.102

## Right Angle

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	AA4040SRS	I	Red	Water Clear	660	80	200	1.85	120°	.39	.234	.184	.156
604	AA4040SURSK	I	Red	Water Clear	650	200	450	1.95	120°	.46	.273	.215	.182
604	AA4040YS	I	Yellow	Water Clear	590	10	15	2.1	120°	.39	.234	.184	.156
604	AA4040YSK	I	Yellow	Water Clear	590	100	250	2	120°	.46	.273	.215	.182
604	AA4040SGS	I	Green	Water Clear	565	15	20	2.2	120°	.39	.234	.184	.156
604	AA4040PGS	I	Green	Water Clear	555	5	10	2.25	120°	.49	.294	.232	.196

## SOT-23

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	AM23SRC-F	J	Red	Water Clear	640	40	70	1.9	140°	.29	.23	.20	.15
604	AM23SRD-F	J	Red	Red Diffused	640	40	70	1.9	140°	.29	.23	.20	.15
604	AM23EC-F	J	Red	Water Clear	625	4	15	2	140°	.28	.22	.19	.14
604	AM23ID-F	J	Red	Red Diffused	625	4	15	2	140°	.28	.22	.19	.14
604	AM23YC-F	J	Yellow	Water Clear	588	2	5	2.1	140°	.28	.22	.19	.14
604	AM23YD-F	J	Yellow	Yellow Diffused	588	2	5	2.1	140°	.28	.22	.19	.14
604	AM23SYC-F	J	Yellow	Water Clear	588	40	80	2	140°	.40	.32	.28	.21
604	AM23SGD-F	J	Green	Green Diffused	568	3	8	2.2	140°	.46	.19	.16	.15
604	AM23SGC-F	J	Green	Water Clear	568	5	12	2.2	140°	.46	.19	.16	.15

## Gull Wing Leads

MOUSER STOCK NO.		Fig.	Color		Peak Wavelength (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each			
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000
604	AM2520SRC03	K	Red	Water Clear	640	120	600	1.9	20°	.27	.21	.18	.14
604	AM2520SURCK03	K	Red	Water Clear	630	200	700	1.9	20°	.22	.178	.146	.097
604	AM2520SURC03	K	Red	Water Clear	628	300	700	1.9	20°	.40	.32	.28	.21
604	AM2520ID03	K	Red	Red Diffused	625	8	30	2	40°	.23	.19	.16	.12
604	AM2520EC03	K	Red	Water Clear	625	12	70	2	20°	.23	.143	.117	.078
604	AM2520SECK03	K	Orange	Water Clear	601	180	700	2.1	20°	.22	.178	.146	.097
604	AM2520SEC03	K	Orange	Water Clear	601	500	1300	2	20°	.40	.32	.28	.21
604	AM2520SYCK03	K	Yellow	Water Clear	590	70	300	2	20°	.22	.18	.15	.11
604	AM2520YC03	K	Yellow	Water Clear	588	10	30	2.1	20°	.23	.162	.132	.088
604	AM2520SYC03	K	Yellow	Water Clear	588	110	500	2	20°	.40	.32	.28	.21
604	AM2520SGC03	K	Green	Water Clear	568	40	100	2.2	20°	.23	.178	.146	.097

