

KINGBRIGHT LED Lamps



This product is RoHS compliant.

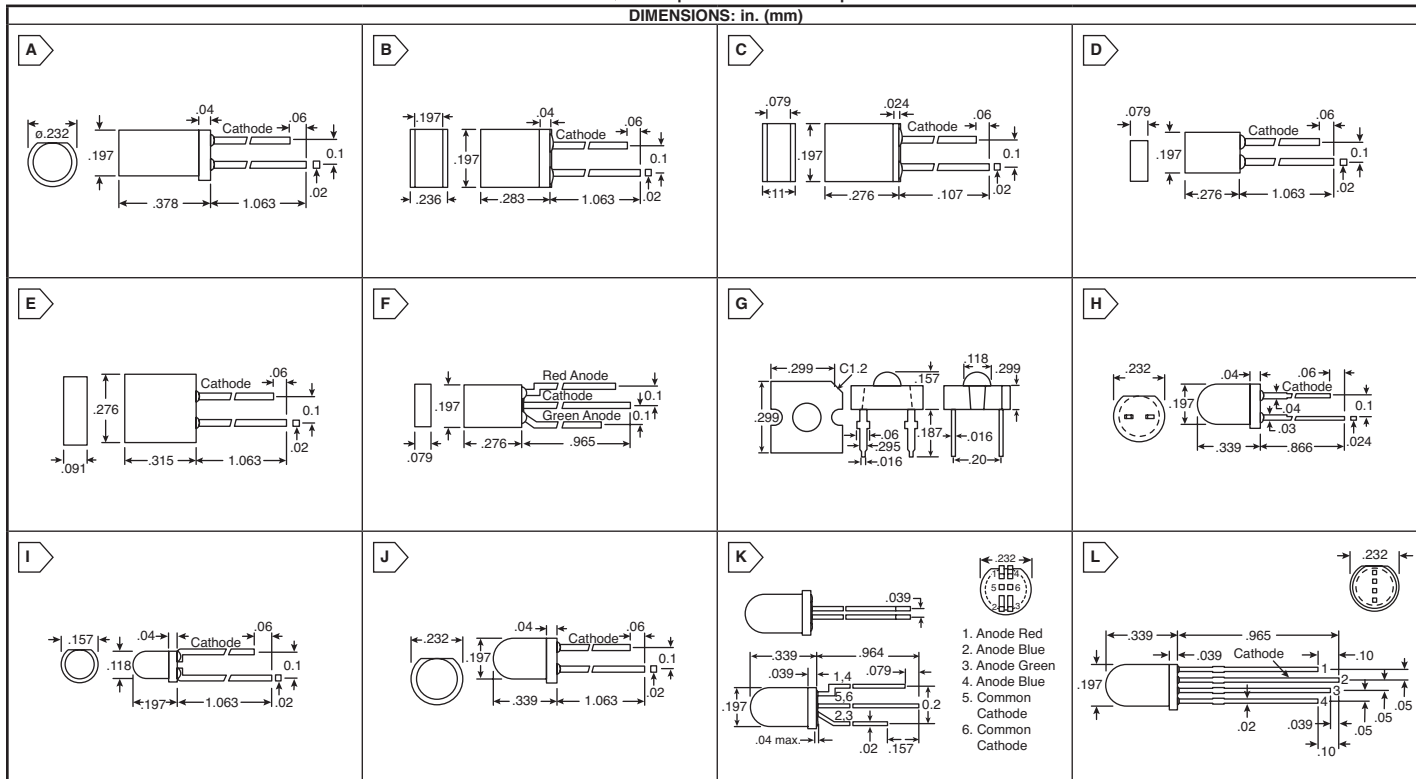
Kingbright

WWW.KINGBRIGHTUSA.COM

LED Indication

Kingbright

DIMENSIONS: in. (mm)



LED LAMPS (CONT.)

Cylindrical LEDs

• Forward current: 25-30mA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wavelength	Luminous Intensity (mcd)		Forward Voltage (Typ.)	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP483IDT	WP483IDT	A	Hi-Eff. Red	Red Diffused	625	1.8	5	2	100°	.12	.077	.059	.049
604-WP483YDT	WP483YDT	A	Yellow	Yellow Diffused	588	0.7	3	2.1	100°	.13	.084	.064	.053
604-WP483GDT	WP483GDT	A	Green	Green Diffused	568	1	4	2.2	100°	.14	.084	.064	.054

Square .2" X .2" (5mm X 5mm) LEDs

• Forward current: 20mA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wavelength	Luminous Intensity		Forward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP503HDT	WP503HDT	B	Red	Red Diffused	700	2	2	0.5	110°	.21	.17	.14	.11
604-WP503YDT	WP503YDT	B	Yellow	Yellow Diffused	590	8	8	1.3	110°	.23	.18	.16	.12
604-WP503GDT	WP503GDT	B	Green	Green Diffused	565	8	8	1.3	110°	.25	.196	.174	.13

Rectangular LEDs

• Forward current: 10mA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wavelength	Luminous Intensity		Forward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP103HD	WP103HD	C	Red	Red Diffused	700	0.5	2	2	110°	.09	.065	.049	.041
604-WP103YD	WP103YD	C	Yellow	Yellow Diffused	590	2	8	2.1	110°	.11	.072	.057	.052
604-WP103GD	WP103GD	D	Green	Green Diffused	565	2	8	2	110°	.10	.06	.048	.044
604-WP113HDT	WP113HDT	D	Red	Red Diffused	700	0.5	2	2	110°	.10	.06	.048	.044
604-WP113YDT	WP113YDT	D	Yellow	Yellow Diffused	590	2	8	2.1	110°	.11	.066	.053	.044
604-WP113GDT	WP113GDT	D	Green	Green Diffused	565	2	8	2.2	110°	.10	.06	.048	.044
604-WP153HDT	WP153HDT	E	Red	Red Diffused	700	0.8	1.3	2	110°	.19	.16	.13	.10
604-WP153YDT	WP153YDT	E	Yellow	Yellow Diffused	590	1.3	8	2.1	110°	.18	.15	.12	.09
604-WP153GDT	WP153GDT	E	Green	Green Diffused	565	1.3	8	2.2	110°	.19	.16	.13	.10
604-WP119EGW	WP119EGW	F	Red/Green	White Diffused	625/565	1.6	20/12.5	2.0/2.2	110°	.34	.27	.24	.18

Super Flux LED Lamps

• Forward current: 10mA

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MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wavelength	Luminous Intensity		Forward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP7676CSURC	WP7676CSURC	G	Hyper Red	Water Clear	640	480	1000	2.5	70°	.52	.42	.37	.35
604-WP7676CSURC/E	WP7676CSURC/E	G	Red	Water Clear	630	300	600	2.5	70°	.52	.42	.37	.35
604-WP7676CSEC/H	WP7676CSEC/H	G	Red	Water Clear	630	1500	1800	2.5	70°	.85	.68	.61	.57
604-WP7676CSEC/E	WP7676CSEC/E	G	Hyper Orange	Water Clear	630	1500	2800	2.5	70°	.52	.42	.37	.35
604-WP7676CSEC/G	WP7676CSEC/G	G	Red	Water Clear	625	700	1200	2.5	70°	.52	.42	.37	.35
604-WP7676CSYC	WP7676CSYC	G	Yellow	Water Clear	590	280	700	2.5	70°	.52	.42	.37	.35

Photo Transistor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Breakdown Voltage		Dark Current Maximum	Rise/Fall Time Typical	On-State Collector Current		Collector-Emitter Saturation Voltage	Power Dissipation @ 25°C	Price Each			
			CEO	ECO			Min.	Max.			1	100	500	1000
604-WP7113P3C	WP7113P3C	H	30V	5V	100nA	3µs	1mA	8mA	0.8V	100mW	.19	.12	.09	.08

Infrared Diodes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Lens Color	Forward Voltage (V)		Radiant Power		Reverse Current Max.	Peak Spectral Wavelength (nm)	Viewing Angle	Price Each			
				Typ.	Max.	Min.	Typ.				1	100	500	1000
604-WP3A10SF4C	WP3A10SF4C	I	Water Clear	1.3	1.6	7	40	10µA	880	50°	.35	.265	.196	.178
604-WP7113SF4BT	WP7113SF4BT	J	Water Clear	1.4	1.7	5	10	10µA	880	30°	.44	.28	.21	.18
604-WP7113SF4C	WP7113SF4C	J	Water Clear	1.4	1.7	5	10	10µA	880	30°	.39	.24	.19	.16

Full Color Spectrum

* Part has two blue LEDs built into it. Specs for each as a single unit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Red (627nm)			Green (565nm)			*Blue (430nm)			Viewing Angle	Price Each			
			Volt (Typ.)	Iv (mcd) Typ.	Wavelength (Dom.)	Volt. (Typ.)	Iv (mcd) Typ.	Wavelength (Dom.)	Volt. (Typ.)	Iv (mcd) Typ.	Wavelength (Dom.)		1	10	100	200
* 604-WP5WAEMBGMBW	WP5WAEMBGMBW	K	2	10	25	1.1	10	20	3.8	10	30	60	3.97	3.48	3.25	3.03
604-WP154A4-RGB	WP154A4SUREPBGVGAW	L	1.9	380	750	3.2	180	500	3.2	180	450	60	1.89	1.75	1.69	1.64
604-WP154A4SUREQBFGZW	WP154A4SUREQBFGZW	L	1.9	1000	630	3.3	1300	525	3.3	500	465	60	1.19	1.05	.94	.83