Through-Hole LED

Kingbright through-hole LEDs are available with a variety of sizes, shapes, viewing angles, color combinations, lens types and brightness. Our extensive selection fulfills virtually any need in through-hole LED applications.









25/ Round LED

Cylindrical LED

28/ Multi-Color LED

28/ Light Bar 29/

Low Current LED

ROUND LED

ROUND LED							
Part Number	Material	λD (nm)	Lens Type		ncd) 0mA Typ.	Viewing Angle 2θ1/2	Dimensions
WP710A10SRC/J4	AlGaInP	640	Water Clear	1000	1500	30°	T-1 (3mm) Round
WP710A10SRD/J4	AlGaInP	640	Red Diffused	400	800	50°	
WP710A10SURCK	AlGaInP	630	Water Clear	400	900	30°	
WP710A10SURDK	AlGaInP	630	Red Diffused	200	400	50°	
WP710A10SURTK	AlGaInP	630	Red Transparent	400	900	30°	WP710A10
WP710A10SURC/E	AlGaInP	630	Water Clear	500	1100	30°	
WP710A10SECK/J3	AlGaInP	625	Water Clear	2300	3600	30°	
WP710A10SECK/J4	AlGaInP	605	Water Clear	3600	6000	30°	
WP710A10SED	AlGaInP	605	Orange Diffused	300	650	50°	
WP710A10SECK	AlGaInP	605	Water Clear	700	1400	30°	
WP710A10SEDK	AlGaInP	605	Orange Diffused	250	600	50°	4.6(0.181)±0.3 27(1.063)Min.
WP710A10SYD	AlGaInP	590	Yellow Diffused	480	900	50°	φ2.8(0.11) 1(0.039) 1.5(0.059)±1
WP710A10SYCK	AlGaInP	590	Water Clear	700	1500	30°	ψ 2.9(0.114) Cathode
WP710A10SYDK	AlGaInP	590	Yellow Diffused	400	800	50°	2.54(0.1)
WP710A10SYCK/J3	AlGaInP	590	Water Clear	1900	3000	30°	0.5(0.02)+0.25 0.5(0.02)+0.25 0.5(0.02)+0.25
WP710A10CGCK	AlGaInP	570	Water Clear	300	600	30°	\$3.2(0.126) 1.0Max. 5.4(0.213)±0.5
WP710A10CGDK	AlGaInP	570	Green Diffused	80	250	50°	5.4(U.213)±U.5
WP710A10CGTK	AlGaInP	570	Green Transparent	300	600	30°	
WP710A10ZGCK	InGaN	525	Water Clear	8000	14000	30°	
WP710A10ZGDK	InGaN	525	Green Diffused	900	1500	50°	
WP710A10ZGC/G	InGaN	525	Water Clear	10500	16500	30°	
WP710A10VBC/D	InGaN	470	Water Clear	3600	5000	30°	
WP710A10QBC/D	InGaN	465	Water Clear	1300	2300	30°	
WP710A10QBD/D	InGaN	465	Blue Diffused	1000	2000	50°	
WP3A10SURDK	AlGalnP	630	Red Diffused	100	250	60°	T-1 (3mm) Round
WP3A10SYDK	AlGaInP	590	Yellow Diffused	300	500	60°	\$\frac{5(0.197)}{0.118}\$ \frac{27(1.063)Min.}{0.27(1.063)Min.}\$ \frac{\text{WP3A10}}{\text{VP3A10}}\$
WP3A10CGDK	AlGaInP	■ 570	Green Diffused	80	150	60°	1.0Max. 0.7Max. \square 0.5(0.02) $^{+0.25}_{-0.1}$ 5.3(0.209) \pm 0.5
WP132XSURDK	AlGaInP	630	Red Diffused	180	360	60°	T-1 (3mm) Round
WP132XSURTK	AlGaInP	630	Red Transparent	230	430	50°	5.2(0.205) 27(1.063)Min. WP132X
WP132XSYDK	AlGaInP	590	Yellow Diffused	300	600	60°	\$\phi_{3.8(0.15)}\$ \$\phi_{3.5}\$ \$\phi_{0.138}\$ \$\phi_{0.138
WP132XCGDK	AlGaInP	■ 570	Green Diffused	60	140	60°	0.7Max. 0.5(0.02) +0.25

ROUND LED

ROUND LED							
	Material	λD (nm)			mcd) 0mA Typ.	Viewing Angle 201/2	Dimensions
WP7113SRC/J4	AlGaInP	640	Water Clear	2300	3700	201/2 20°	T-1 3/4 (5mm) Round
WP7113SRD/J4	AlGaInP	640	Red Diffused	550	900	30°	1 - G - (Gilling) reduced
WP7113SURCK	AlGaInP	630	Water Clear	1000	1900	20°	
WP7113SURDK	AlGalnP	630	Red Diffused	400	750	30°	
WP7113SURC/E	AlGalnP	630	Water Clear	2300	3300	20°	
WP7113SECK/J3	AlGalnP	625	Water Clear	5000	8500	20°	- WP7113
WP7113SED	AlGaInP	605	Orange Diffused	600	1000	30°	
WP7113SECK	AlGalnP	605	Water Clear	1300	2100	20°	
WP7113SYD	AlGaInP	590	Yellow Diffused	650	1200	30°	8.6(0.339) 27(1.063)Min.
WP7113SYCK	AlGaInP	590	Water Clear	1800	3000	20°	φ5.9(0.232) 1(0.039)
WP7113SYDK	AlGaInP	590	Yellow Diffused	500	1000	30°	1.5(0.059)±1 Cathode
WP7113SYCK/J3	AlGaInP	590	Water Clear	5000	7800	20°	φ 5(0.197)
WP7113CGCK	AlGaInP	570	Water Clear	700	1400	20°	4 (0.1)
WP7113CGDK	AlGalnP	570	Green Diffused	50	140	30°	0.7Max. □ 0.5(0.02) ^{+0.25}
WP7113ZGCK	InGaN	525	Water Clear	14000	26000	20°	1.0Max.
WP7113ZGDK	InGaN	525	Green Diffused	700	1200	30°	
WP7113ZGC/G	InGaN	525	Water Clear	18000	30000	20°	-
WP7113VBC/D	InGaN	470	Water Clear	4300	7000	20°	
WP7113QBC/D	InGaN	465	Water Clear	3100	4500	20°	
WP7113QBD/D	InGaN	465	Blue Diffused	700	1600	30°	
		100	Diao Diliacoa	1.00	1.000		T-1 3/4 (5mm) Round
WP1503SRC/J4	AlGaInP	6 40	Water Clear	3100	5200	20°	8.6(0.339) 25(0.984)Min.
WP1503SURDK	AlGalnP	6 30	Red Diffused	600	1000	30°	1.5(0.059)±1 WP1503 Cathode 2.54(0.1)
WP1503CGDK	AlGaInP	■ 570	Green Diffused	100	200	30°	0.7Max. □0.5(0.02) ^{+0.25} 1.0Max.
WP793SRD/J4	AlGaInP	640	Red Diffused	500	1000	30°	8mm Round 11(0.433) 27(1.063)Min. 49(0.354) 2(0.079) 1.5(0.059)±1 WP793 Cathode 0.5(0.02):0.35 0.7Max. 0.5(0.02):0.35 1.0 Max. 1.0 M
WP813SRC/J4	AlGaInP	640	Water Clear	3600	7500	15°	10mm Round 13.5(0.531) 27(1.063)Min
WP813SRD/J4	AlGaInP	640	Red Diffused	400	800	30°	ψ11(0.433) 2(0.079) 1.5(0.059)±1 Cathode 2.54(0.1)
WP813CGDK	AlGaInP	■ 570	Green Diffused	55	100	30°	0.7Max. 0.5(0.02) ^{±0.25} 1.0 Max.

RECTANGULAR LED

Part Number	Material	λD (nm)		lv (r @2	ncd) 0mA	Viewing Angle	Dimensions
		(11111)		Min.	Тур.	2θ1/2	
WP914SURDK	AlGaInP	630	Red Diffused	25	60	140°	2(0.079) Cathode 1.5(0.059)±1 Cathode 1.5(0.059)±1 2.54(0.1)
WP113SURDKT	AlGaInP	6 30	Red Diffused	25	50	140°	2mm x 5mm Rectangular
WP113SYDTK	AlGaInP	- 590	Yellow Diffused	70	120	140°	7(0.276) 27(1.063)Min. WP113 2(0.079) 1.5(0.059)±1 Cathode 2.54(0.1)
WP113CGKDT	AlGaInP	■ 570	Green Diffused	10	30	140°	1.0 Max. 0.7Max. □0.5(0.02) ±0.25

CYLINDRICAL LED

CILINDRICALL							
Part Number	Material	λD (nm)	Lens Type	lv (i @2	mcd) 0mA	Viewing Angle	Dimensions
		(11111)		Min.	Тур.	2θ1/2	
WP424SYDTK	AlGaInP	590	Yellow Diffused	55	120	140°	T-1 (3mm) Cylindrical #3.4(0.134) #4.8(0.189) Cathode 1.5(0.059)±1 2.54(0.1) 1.0 Max. □0.5(0.02)±0.25 6.5(0.256)±0.5
WP483SURDTK	AlGaInP	■ 630	Red Diffused	30	70	140°	T-1 3/4 (5mm) Cylindrical 9.6(0.378) 25(0.984)Min. WP483 1.5(0.059)±1 Cathode 1.0Max. □ 0.5(0.02) ^{+0.25} 1.0Max. □ 0.5(0.02) ^{+0.25}

LIGHT BAR

Part Number	Material	λD (nm)	Lens Type	@2	mcd) 0mA	Viewing Angle	Dimensions
		` ′		Min.	Тур.	2θ1/2	
WP1043SURDTK	AlGaInP	630	Red Diffused	30	60	140°	3.65mm x 6.15mm 3.6(0.142) 1.6(0.063)
WP1043SYDTK	AlGaInP	590	Yellow Diffused	80	150	140°	1.7(0.067) □0.5(0.02) ^{+0.25} WP1043 3.18(0.125)
WP1043CGDTK	AlGaInP	■ 570	Green Diffused	8	20	140°	5.58(0.22) (0.242) Anode 2.54(0.1)

MULTI-COLOR LED

Part Number	Material	λD	Lens Type		mcd) 0mA	Viewing Angle	Dimensions
	- Material	(nm)	Long Type —	Min.	Тур.	2θ1/2	Simonoris
WP937SURKCGKW	AlGaInP	630	White Diffused	55	110	- 60°	T-1 (3mm) Round
	AlGaInP	■ 570	Willia Billagga	40	80	00	4.6(0.181)±0.3 27(1.063)Min. \$\phi_{3.2(0.126)}\$ \[\begin{array}{c} \delta_{2.8(0.11)}\\ \delta_{3.2(0.126)}\\ \delta_{0.114}\\ \delta_{0.1144}\\ \delta_{0.1144}\\ \delta_{0.1144}\\ \delta_{0.1144}\\ \delta_{0.11444}\\ \delta_{0.11444}\\ \delta_{0.11444}\\ \delta_{0.114444}\\ \delta_{0.114444}\\ \delta_{0.1144444}\\ \delta_{0.11444444}\\ \delta_{0.1144444444444444444444444444444444444
WP937CGKSYKW	AlGalnP	570	White Diffused	40	80	- 60°	1.0Max. 0.7Max. 0.5(0.02)*0.25 5.1(0.201)±0.5 1 1
Wistrockerikw	AlGalnP	590	Willie Billused	80	230	00	Red 🛧 🕏 Green Green 🛧 💆 Yellow 2 2
WP3VSURKCGKW	AlGaInP	6 30	White Diffused	80	160	- 60°	T-1 (3mm) Round 5(0.197) 24.5(0.965)Min.
WP3VSURKCGKW	AlGalnP	570		40	100		(0.118) (0.118) (0.079) Typ. (0
WP3VCGKSYKW	AlGalnP	■ 570	- White Diffused	55	100	60°	1.0Max. 4(0.157)Typ. 6.43(0.253)±0.5 0.7Max. 4(0.157)Typ. 10.5(0.02)**0.25 1 1 1
	AlGalnP	590		120	250	00	Red Green → ○ 2 → ○ 2 → ○ The Green Green Green Green Green Green Green 3 3
WP57SURKCGKW	AlGalnP	6 30	White Diffused	80	150	- 30°	T-1 3/4 (5mm) Round 8.6(0.339) 25(0.984)Min.
WF3/30IRRGRW	AlGaInP	■ 570	write Dillused	60	120		\$5.9(0.232) 1(0.039) 1.5(0.059)±1 WP57
WP57CGKSYKW	AlGaInP	■ 570	White Diffused	60	120	— 30°	$ \begin{pmatrix} \phi & 5 \\ (0.197) & & & \downarrow & \downarrow \\ 0.7\text{Max.} & & \downarrow & \downarrow & \downarrow \\ 1.0\text{Max.} & & \downarrow & 0.5(0.02)^{+0.25}_{-0.1} $
WP57CGKSYKW	AlGaInP	590	Willie Dilluseu	80	180		Red TyGreen Green TyYellow
	المادة الدارة					All discount	ions are in millimeters (inches). Tolerance is ± 0.25mm (0.01*) unless otherwise noted

MULTI-COLOR LED

MOLIT-COLOR LLD							
Part Number		λD (nm)	Lens Type	lv (r @20	ncd) 0mA	Viewing Angle	Dimensions
		(11111)		Min.	Тур.	2θ1/2	
WP59SURKCGKW	AlGalnP	6 30	- White Diffused	200	400	30°	T-1 3/4 (5mm) Round
wi 3300illodilw	AlGalnP	570	Wille Billused	80	180	30	φ 5.9(0.232) 8.6(0.339) 24.5(0.964)Min. 1(0.039) 2(0.079)Typ. φ 5 (0.11) 4.5(0.964)Min.
WP59SURKCGKC	AlGalnP	6 30	- Water Clear	700	1500	20°	1.0Max 4(0.157)Typ. 10.35(0.407)+1 0.7Max 4(0.157)Typ. 10.35(0.407)+1 0.70 20 4025 1
Wisselineane	AlGalnP	570	yvalei Oleal	450	900	20	† Red
	AlGaInP	630		200	400		T-1 3/4 (5mm) Full color
WP154A4SUREQBFZGC	InGaN	465	Water Clear	400	900	50°	245/00551+3
	InGaN	525		1900	3600		8.6(0.339) 24.5(0.965) +3 \$\int 5.9(0.232)\$ 1(0.039) 2.5(0.098)Min. WP154A4
	AlGaInP	630		120	250		1.27(0.05)Typ.
WP154A4SUREQBFZGW	InGaN	4 65	White Diffused	300	500	60°	ф5(0.197) 1.0Max. 1(0.039)Тур. 1.27(0.05)Тур. 1.27(0.05)Тур. 1.27(0.05)Тур.
	InGaN	525		600	1300		□ 0.5(0.02) ^{+0.25} _{-0.1} Min.
	AlGaInP	625		900	1500		Red Red
WP154A4SEJ3VBDZGW/CA	InGaN	470	White Diffused	200	400	60°	Green Green ↓ 4
	InGaN	525		480	1100		WP154A4SUREQBFZGC WP154A4SUREQBFZGW WP154A4SEJ3VBDZGW/CA

LOW CURRENT LED

Part Number	Material	λD (nm)	Lens Type	@2	mcd) 2mA	Viewing Angle	Dimensions
WP710A10LSURDK	AlGalnP	630	Red Diffused	Min. 10	Тур. 20	201/2 50°	T-1 (3mm) Round
WP710A10LSYCK/J3	AlGalnP	<u>590</u>	Water Clear	120	200	30°	
WP710A10LSYDK	AlGalnP	<u>590</u>	Yellow Diffused	25	50	50°	4.6(0.181) \pm 0.3 27(1.063)Min. WP710A10L ϕ 2.8(0.11) 1(0.039) 1.5(0.059) \pm 1
WP710A10LCGDK	AlGalnP	570	Green Diffused	4	8	50°	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
WP710A10LZGCK	InGaN	525	Water Clear	500	1100	30°	0.7Max
WP710A10LVBC/D	InGaN	470	Water Clear	320	700	30°	φ3.2(0.126) 1.0Max. 5.4(0.213)±0.5
WP7113LSURDK	AlGalnP	630	Red Diffused	40	70	30°	T-1 3/4 (5mm) Round
WP7113LSECK/J3	AlGaInP	625	Water Clear	400	1000	20°	
WP7113LSYCK/J3	AlGaInP	590	Water Clear	320	800	20°	8.6(0.339) 27(1.063)Min.
WP7113LSYDK	AlGaInP	590	Yellow Diffused	20	70	30°	φ5.9(0.232) WP7113L
WP7113LCGDK	AlGaInP	570	Green Diffused	6	12	30°	Cathode 2.54
WP7113LZGCK	InGaN	525	Water Clear	1000	3000	20°	0.7Max. □0.5(0.02)±0.25
WP7113LVBC/D	InGaN	470	Water Clear	550	1600	20°	