

# Ultra Bright LED Lamps

TYPE NO.	SOURCE COLOUR	$\lambda_p$ (nm)	IV		Vf		LENS CHARACTERISTICS	VIEWING ANGLE 2 $\theta$ 1/2 (degree)	PACKAGE	CASE
			MIN (mcd)	If (mA)	MAX (V)	If (mA)				
MSB78DA	GaAlAs Red	660	4.3	20	2.4	20	Red Diffused	180	5.0 x 5.0mm Rectangular Bars	L-78b
MSB79DA	GaAlAs Red	660	6.3	20	2.4	20	Red Diffused	86	1.90x3.97mm Round Rectangular Bars	L-79b
MSB80TA	GaAlAs Red	660	100	20	2.4	20	Clear transparent	46	$\phi$ 7.8mm	L-80b
MSB80CA	GaAlAs Red	660	100	20	2.4	20	Red transparent			
MSB80DA	GaAlAs Red	660	36	20	2.4	20	Red Diffused			
MSB81TK	GaAlAs Red	660	60	20	2.4	20	Clear transparent	52	2.37 x 4.88mm Round Rectangular Bars	L-81b
MSB81CK	GaAlAs Red	660	60	20	2.4	20	Red transparent			
MSB81TA-0	GaAlAs Red	660	100	20	2.4	20	Clear transparent	16		
MSB81TA-1	GaAlAs Red	660	180	20	2.4	20	Clear transparent			
MSB81TA-2	GaAlAs Red	660	360	20	2.4	20	Clear transparent			
MSB81TA-3	GaAlAs Red	660	550	20	2.4	20	Clear transparent			
MSB81TA-4	GaAlAs Red	660	700	20	2.4	20	Clear transparent			
MSB81TA-5	GaAlAs Red	660	1000	20	2.4	20	Clear transparent			
MOB81TA	Hi-Eff Orange	630	100	20	3.0	20	Clear transparent			
MGB81TA	Hi-Eff Green	570	125	20	3.0	20	Clear transparent			
MYB81TA	Hi-Eff Yellow	585	90	20	3.0	20	Clear transparent			
MSB81DA	GaAlAs Red	660	35	20	2.4	20	Red Diffused		124	
MSB82DA	GaAlAs Red	660	5.0	20	2.4	20	Red Diffused	180	3.6 x 3.6mm Flangeless Rectangular Bars	L-82b
MSB83DA	GaAlAs Red	660	8.5	20	2.4	20	Red Diffused	92	1.7 x 3.95mm Round Rectangular Bars	L-83b
MSB90TA-0	GaAlAs Red	660	250	20	2.4	20	Clear transparent	16	$\phi$ 10mm Bomb Type	L-90b
MSB90TA-1	GaAlAs Red	660	400	20	2.4	20	Clear transparent			
MSB90TA-2	GaAlAs Red	660	800	20	2.4	20	Clear transparent			
MSB90TA-3	GaAlAs Red	660	1300	20	2.4	20	Clear transparent			
MSB90TA-4	GaAlAs Red	660	1600	20	2.4	20	Clear transparent			
MSB90TA-5	GaAlAs Red	660	5000	20	2.4	20	Clear transparent			
MOB90TA-1	AlGaInP Orange	620	2000	20	3.0	20	Clear transparent			
MOB90TA-2	AlGaInP Orange	620	3000	20	3.0	20	Clear transparent			
MOB90TA-3	AlGaInP Orange	620	4000	20	3.0	20	Clear transparent			
MOB90TAH	AlGaInP Orange	620	7000	20	3.0	20	Clear transparent			
MGB90TA-1	Hi-Eff Green	570	450	20	3.0	20	Clear transparent			
MGB90TA-2	Hi-Eff Green	570	750	20	3.0	20	Clear transparent			
MGB90TA-3	Hi-Eff Green	570	1000	20	3.0	20	Clear transparent			
MYB90TA-1	AlGaInP Yellow	595	3000	20	3.0	20	Clear transparent			
MYB90TA-2	AlGaInP Yellow	595	5000	20	3.0	20	Clear transparent			
MYB90TA-3	AlGaInP Yellow	595	8000	20	3.0	20	Clear transparent			
MYB90TAH	AlGaInP Yellow	592	9000	20	3.0	20	Clear transparent			
MSB100TA	GaAlAs Red	660	55	20	2.4	20	Clear transparent	28	$\phi$ 10mm 1" Lead	L-100b
MSB100CA	GaAlAs Red	660	55	20	2.4	20	Red transparent			
MSB100DA-1	GaAlAs Red	660	25	20	2.4	20	Red Diffused	60		
MSB100DA-2	GaAlAs Red	660	30	20	2.4	20	Red Diffused			
MSB100DA-3	GaAlAs Red	660	35	20	2.4	20	Red Diffused			
MSB100DA-4	GaAlAs Red	660	40	20	2.4	20	Red Diffused			
MSB100DA-5	GaAlAs Red	660	50	20	2.4	20	Red Diffused			