

# 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)				
MSB56TA MSB56CA	GaAlAs Red GaAlAs Red	660 660	200 200	20 20	2.4 2.4	20 20	Clear transparent Red transparent	34	$\phi$ 5.0mm Low Profile	L-56b
MSB61DA	GaAlAs Red	660	6.0	20	2.4	20	Red Diffused	156	2.5 x 5mm Rectangular Bars	L-61b
MSB62DA	GaAlAs Red	660	7.0	20	2.4	20	Red Diffused	160	2 x 5mm Rectangular Bars	L-62b
MSB63DA	GaAlAs Red	660	5.5	20	2.4	20	Red Diffused	156	Flangeless Rectangular Bars	L-63b
MSB64DA	GaAlAs Red	660	5.5	20	2.4	20	Red Diffused	148	2 x 4.95mm Flangeless Rectangular Bars	L-64b
MSB65DA	GaAlAs Red	660	4.5	20	2.4	20	Red Diffused	140	2 x 4.0mm Flangeless Rectangular Bars	L-65b
MSB66DA	GaAlAs Red	660	5.0	20	2.4	20	Red Diffused	142	1.75 x 4.0mm Flangeless Rectangular Bars	L-66b
MSB67DA	GaAlAs Red	660	4.5	20	2.4	20	Red Diffused	180	2.5 x 6.8mm Flangeless Rectangular Bars	L-67b
MSB68DA	GaAlAs Red	660	4.2	20	2.4	20	Red Diffused	180	4.95 x 4.95mm Flangeless Rectangular Bars	L-68b
MSB69DA	GaAlAs Red	660	4.0	20	2.4	20	Red Diffused	180	3.87 x 6.75mm Flangeless Rectangular Bars	L-69b
MSB70DA	GaAlAs Red	660	4.3	20	2.4	20	Red Diffused	148	2.15 x 4.95mm Flangeless Rectangular Bars	L-70b
MSB71DA	GaAlAs Red	660	4.5	20	2.4	20	Red Diffused	180	3.0 x 5.0mm Flangeless Rectangular Bars	L-71b
MSB72DA	GaAlAs Red	660	3.2	20	2.4	20	Red Diffused	154	2.0 x 4.95mm Flangeless Rectangular Bars	L-72b
MSB73DA	GaAlAs Red	660	2.2	20	2.4	20	Red Diffused	140	0.95 x 4.9mm Rectangular Bars	L-73b
MSB74DA	GaAlAs Red	660	4.5	20	2.4	20	Red Diffused	152	1.2x3.4mm Flangeless Rectangular Bars	L-74b
MSB75DA	GaAlAs Red	660	5.0	20	2.4	20	Red Diffused	172	1.9 x 3.1mm Flangeless Rectangular Bars	L-75b
MSB76DA	GaAlAs Red	660	4.8	20	2.4	20	Red Diffused	88	$\phi$ 2.0 x 3.7mm Nipple Type	L-76b
MSB77DA	GaAlAs Red	660	2.6	20	2.4	20	Red Diffused	172	1.4 x 3.7mm Rectangular Bars	L-77b