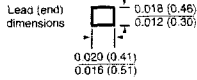
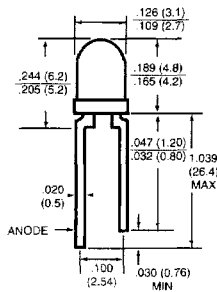


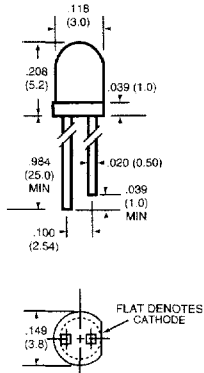
T-100 Diffused Lens



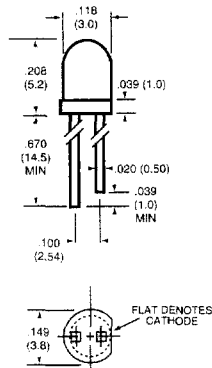
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_f (V)		Luminous Intensity I_v (mcd)		Notes
					typ	max	min	typ	
MV50640	Black	660	Red Diffused	60°	1.6	2.0	0.5	1.5	4
HLMP-1300		635	Red Diffused	60°	2.0	3.0	1.0	2.0	3
HLMP-1301		635	Red Diffused	60°	2.0	3.0	2.0	2.5	3
HLMP-1302		635	Red Diffused	60°	2.0	3.0	3.0	4.0	3
HLMP-1385		635	Red Diffused	60°	2.0	3.0	8.6	11.0	3
MV57640		635	Red Diffused	60°	2.0	3.0	1.0	2.0	3
MV57641		635	Red Diffused	60°	2.0	3.0	2.0	2.5	3
MV57642		635	Red Diffused	60°	2.0	3.0	3.0	4.0	3
HLMP-1503		565	Green Diffused	75°	2.2	3.0	2.0	5.0	4
HLMP-1523		565	Green Diffused	75°	2.2	3.0	6.0	10.0	4
HLMP-1585	565	Green Diffused	75°	2.2	3.0	4.2	8.5	3	
MV54643	565	Green Diffused	75°	2.2	3.0	2.0	5.0	4	
MV54644	565	Green Diffused	75°	2.2	3.0	6.0	10.0	4	
MV53640	Yellow	585	Yellow Diffused	70°	2.1	3.0	1.0	2.0	3
MV53641		585	Yellow Diffused	70°	2.1	3.0	1.5	3.0	3
MV53642		585	Yellow Diffused	70°	2.1	3.0	2.5	4.5	3
HLMP-1485		585	Yellow Diffused	70°	2.1	3.0	5.7	10.0	3
HLMP-K101	Black	660	Red Diffused	60°	1.8	2.2	22	45	4
HLMP-K600		555	Green Diffused	90°	2.1	2.7	1.0	4.5	3
HLMP-K400		612	Orange Diffused	90°	1.9	2.4	1.0	4.0	3
HLMP-K401					1.9	2.4	2.0	5.0	3
HLMP-K402					1.9	2.4	3.0	6.5	3

3 mm (T-1 AND T-100) LED LAMPS

T-100 Industrial Standard Lamp - Long Leads										
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V)		Luminous Intensity I_V (mcd)		Notes	
					typ	max	min	typ		
QL202GD		565	Green Diffused	70°	2.1	2.8	1.1	6.0	3	
QL202HD		697	Red Diffused	70°	2.1	2.8	0.5	1.6	3	
QL202ID		635	Red Diffused	70°	2.0	2.8	1.1	6.0	3	
QL202YD	Yellow	585	Yellow Diffused	70°	2.0	2.8	1.1	4.5	3	
QL202GT		565	Green Clear	32°	2.1	2.8	3.5	15.0	3	
QL202HT		697	Red Clear	32°	2.1	2.8	2.5	10.0	3	
QT202IT		635	Red Clear	32°	2.0	2.8	3.5	17.0	3	
QL202YT	Yellow	585	Yellow Clear	32°	2.0	2.8	3.5	15.0	3	



T-100 Industrial Standard Lamp - Short Leads										
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V)		Luminous Intensity I_V (mcd)		Notes	
					typ	max	min	typ		
QL205GD		565	Green Diffused	70°	2.1	2.8	1.1	6.0	3	
QL205HD		697	Red Diffused	70°	2.1	2.8	0.5	1.6	3	
QL205ID		635	Red Diffused	70°	2.0	2.8	1.1	6.0	3	
QL205YD	Yellow	585	Yellow Diffused	70°	2.0	2.8	1.1	4.5	3	
QL205GT		565	Green Clear	32°	2.1	2.8	3.5	15.0	3	
QL205HT		697	Red Clear	32°	2.1	2.8	2.5	10.0	3	
QT205IT		635	Red Clear	32°	2.0	2.8	3.5	17.0	3	
QL205YT	Yellow	585	Yellow Clear	32°	2.0	2.8	3.5	15.0	3	



Notes

- 3. V_F & I_V @ $I_F= 10$ mA
 - 4. V_F & I_V @ $I_F= 20$ mA
- HER = High Efficiency Red