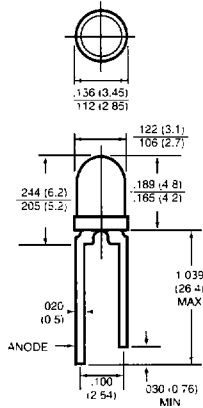
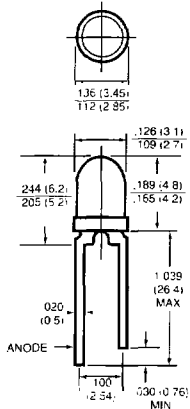


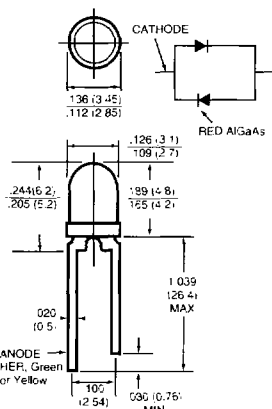
| T-100 Clear Lens | | | | | | | | | |
|------------------|--------------|---------------------------------|------------------|-----------------------|---------------------------|-----|--------------------------------|------|-------|
| Part Number | Source Color | Wave-length λ_p (nm) | Lens Color | Typical Viewing Angle | Forward Voltage V_f (V) | | Luminous Intensity I_v (mcd) | | Notes |
| | | | | | typ | max | min | typ | |
| HLMP-1320 | Black | 635 | Pale Orange Tint | 35° | 2.0 | 3.0 | 6.0 | 12.0 | 1 |
| HLMP-1321 | | 635 | Red Clear | 35° | 2.0 | 3.0 | 6.0 | 12.0 | 1 |
| HLMP-1340 | | 635 | Pale Orange Tint | 35° | 2.2 | 3.0 | 24 | 60 | 2 |
| MV5760 | | 635 | Pale Orange Tint | 35° | 2.0 | 3.0 | 6.0 | 12.0 | 1 |
| MV57620 | | 635 | Red Clear | 35° | 2.0 | 3.0 | 1.5 | 2.0 | 1 |
| MV57621 | | 635 | Red Clear | 35° | 2.0 | 3.0 | 3.0 | 4.0 | 1 |
| MV57622 | | 635 | Red Clear | 35° | 2.0 | 3.0 | 6.0 | 12.0 | 1 |
| HLMP-1520 | | 565 | Pale Green Tint | 35° | 2.1 | 3.0 | 6.0 | 12.0 | 2 |
| HLMP-1521 | | 565 | Green Clear | 35° | 2.1 | 3.0 | 6.0 | 12.0 | 2 |
| HLMP-1540 | | 565 | Pale Green Tint | 35° | 2.2 | 3.0 | 24 | 60 | 2 |
| MV5460 | | 565 | Pale Green Tint | 35° | 2.1 | 3.0 | 6.0 | 12.0 | 2 |
| MV54624 | | 565 | Green Clear | 35° | 2.1 | 3.0 | 6.0 | 12.0 | 2 |
| HLMP-1420 | Yellow | 585 | Pale Yellow Tint | 35° | 2.1 | 3.0 | 6.0 | 12.0 | 1 |
| HLMP-1440 | | 585 | Pale Yellow Tint | 35° | 2.2 | 3.0 | 24 | 60 | 2 |
| MV5360 | | 585 | Pale Yellow Tint | 35° | 2.1 | 3.0 | 6.0 | 12.0 | 1 |
| MV53621 | | 585 | Yellow Clear | 35° | 2.1 | 3.0 | 3.0 | 4.0 | 1 |
| MV53622 | | 585 | Yellow Clear | 35° | 2.1 | 3.0 | 6.0 | 8.0 | 1 |
| HLMP-K105 | Black | 660 | Red Clear | 35° | 1.8 | 2.2 | 35 | 70 | 2 |
| HLMP-K640 | | 560 | Water Clear | 45° | 2.2 | 3.0 | 4.2 | 3.0 | 2 |



| 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 | | 660 | Red Diffused | 60° | 1.6 | 2.0 | 0.5 | 1.5 | 2 | |
| HLMP-1300 | | 635 | Red Diffused | 60° | 2.0 | 3.0 | 1.0 | 2.0 | 1 | |
| HLMP-1301 | | 635 | Red Diffused | 60° | 2.0 | 3.0 | 2.0 | 2.5 | 1 | |
| HLMP-1302 | | 635 | Red Diffused | 60° | 2.0 | 3.0 | 3.0 | 4.0 | 1 | |
| MV57640 | | 635 | Red Diffused | 60° | 2.0 | 3.0 | 1.0 | 2.0 | 1 | |
| MV57641 | | 635 | Red Diffused | 60° | 2.0 | 3.0 | 2.0 | 2.5 | 1 | |
| MV57642 | | 635 | Red Diffused | 60° | 2.0 | 3.0 | 3.0 | 4.0 | 1 | |
| HLMP-1503 | | 565 | Green Diffused | 75° | 2.2 | 3.0 | 2.0 | 5.0 | 2 | |
| HLMP-1523 | | 565 | Green Diffused | 75° | 2.2 | 3.0 | 6.0 | 10.0 | 2 | |
| MV54643 | | 565 | Green Diffused | 75° | 2.2 | 3.0 | 2.0 | 5.0 | 2 | |
| MV54644 | | 565 | Green Diffused | 75° | 2.2 | 3.0 | 6.0 | 10.0 | 2 | |
| MV53640 | Yellow | 585 | Yellow Diffused | 70° | 2.1 | 3.0 | 1.0 | 2.0 | 1 | |
| MV53641 | | 585 | Yellow Diffused | 70° | 2.1 | 3.0 | 1.5 | 3.0 | 1 | |
| MV53642 | | 585 | Yellow Diffused | 70° | 2.1 | 3.0 | 2.5 | 4.5 | 1 | |
| HLMP-K101 | | 660 | Red Diffused | 60° | 1.8 | 2.2 | 22 | 45 | 2 | |
| HLMP-K600 | | 560 | Green Diffused | 90° | 2.1 | 2.7 | 1.0 | 4.5 | 1 | |
| HLMP-K400 | | | | | 1.9 | 2.4 | 1.0 | 4.0 | 1 | |
| HLMP-K401 | | 612 | Orange Diffused | 90° | 1.9 | 2.4 | 2.0 | 5.0 | 1 | |
| HLMP-K402 | | | | | 1.9 | 2.4 | 3.0 | 6.5 | 1 | |



| T-100 Bicolor | | | | | | | | | | |
|----------------------|--------------|---------------------------------|----------------|-----------------------|---------------------------|-----|--------------------------------|-----|-------|--|
| 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 | | |
| MV6661A | | 635 / 660 | Red Diffused | 100° | 2.1 | 3.0 | 2.5 | 10 | 2 | |
| MV6461A | | 565 / 660 | White Diffused | 100° | 2.1 | 3.0 | 2.5 | 10 | 2 | |
| MV6361A | Yellow | 585 / 660 | White Diffused | 100° | 2.1 | 3.0 | 2.5 | 10 | 2 | |


Notes

- $V_F @ I_F = 10 \text{ mA}$; $I_V @ I_F = 10 \text{ mA}$
 - $V_F @ I_F = 20 \text{ mA}$; $I_V @ I_F = 20 \text{ mA}$
 - $V_F @ I_F = 1 \text{ mA}$; $I_V @ I_F = 1 \text{ mA}$
 - $V_F @ I_F = 20 \text{ mA}$; $I_V @ I_F = 10 \text{ mA}$
 - $V_F @ I_F = 2 \text{ mA}$; $I_V @ I_F = 2 \text{ mA}$
 - I_V & $I_F @ V_F = 5 \text{ V}$
 - I_V & $I_F @ V_F = 12 \text{ V}$
- HER = High Efficiency Red