

RECTANGULAR & UNIQUELY SHAPED LED LAMPS

GREEN
CATHODE For MV49124A
AlGaAs RED

LIGHTED AREA

Top View Dimensions:
 .245 (6.22)
 .125 (3.17)
 .145 (3.68)
 .225 (5.71)

Side View Dimensions:
 .280 (7.11)
 .145 (3.68) NOM
 .060 (1.52) NOM

Detail View Dimensions:
 .015 NOM
 .040 (1.00) MIN
 .020 (.508) SQ TYP
 .800 (20.32) MIN
 .10 (2.54)

CATHODE

REFERENCE MARK MAY CONTAIN ANY NUMBER BETWEEN 1 AND 16

.220" x .125" Rectangular Lamp									
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	
MV57124A		635	Red Diffused	100°	2.0	3.0	1.0	6.0	4
MV54124A		565	Green Diffused	100°	2.2	3.0	1.0	6.0	4
MV53124A	Yellow	585	Yellow Diffused	100°	2.0	3.0	1.0	6.0	4
MV49124A		660 565	White Diffused	100°	2.2	3.0	1.0	6.0	4

Technical drawing of a 2 x 5 mm Rectangular Lamp. The drawing includes top and side views with dimensions in inches (in parentheses) and millimeters (in brackets).

Top View Dimensions:

- Overall width: .200 (5.1)
- Inner width: .193 (4.9)
- Overall height: .299 (7.6)
- Inner height: .291 (7.4)
- Bottom center width: .100 (2.54)
- Bottom center height: .040 (1.0) MIN

Side View Dimensions:

- Overall height: .078 (2.0)
- Inner height: .071 (1.8)
- Bottom center width: .083 (2.1)
- Bottom center height: .074 (1.9)
- Bottom center width: .020 (0.5)
- Bottom center height: .197 (5.0)

Other Dimensions:

- Overall height: 1.039 (26.4) MIN
- ANODE label pointing to the bottom center of the lamp.

2 x 5 mm Rectangular Lamp

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	
MV57123		635	Red Diffused	100°	2.0	3.0	1.0	4.0	4
MV54123		565	Green Diffused	100°	2.2	3.0	1.0	4.0	4
MV53123	Yellow	585	Yellow Diffused	100°	2.1	3.0	1.0	4.0	4

2.5 X 7.4 mm Rectangular Lamp

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-0300		635	Red Diffused	100°	2.1	3.0	1.0	2.5	4
HLMP-0301		635	Red Diffused	100°	2.1	3.0	2.5	5.0	4
HLMP-0503		565	Green Diffused	100°	2.3	3.0	1.5	3.0	4
HLMP-0504		565	Green Diffused	100°	2.3	3.0	2.5	5.0	4
HLMP-0400	Yellow	585	Yellow Diffused	100°	2.2	3.0	1.5	2.5	4
HLMP-0401		585	Yellow Diffused	100°	2.2	3.0	3.0	5.0	4

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4 mm Flat Top									
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-M200		635	Red Diffused	135°	2.2	3.0	3.4	5.0	4
HLMP-M201		635	Red Diffused	135°	2.2	3.0	5.4	7.0	4
HLMP-M250		635	Red Clear	80°	2.2	3.0	3.4	5.0	5
HLMP-M251		635	Red Clear	80°	2.2	3.0	5.4	7.0	5
HLMP-M500		565	Green Diffused	135°	2.3	3.0	4.2	7.0	4
HLMP-M501		565	Green Diffused	135°	2.3	3.0	6.7	10.0	4
HLMP-M550		565	Green Clear	80°	2.3	3.0	4.2	10.0	5
HLMP-M551		565	Green Clear	80°	2.3	3.0	6.7	16.0	5
HLMP-M300	Yellow	585	Yellow Diffused	135°	2.2	3.0	3.6	5.0	4
HLMP-M301		585	Yellow Diffused	135°	2.2	3.0	5.7	7.0	4
HLMP-M350		585	Yellow Clear	80°	2.2	3.0	3.6	5.0	5
HLMP-M351		585	Yellow Clear	80°	2.2	3.0	5.7	7.0	5

T-100 Inverted Cone									
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	
QL484ET		635	Orange Clear	180°	2.0	2.8	0.6	1.2	5
QL484GT		565	Green Clear	180°	2.1	2.8	0.6	1.2	5
QL484HT		697	Red Clear	180°	2.0	2.8	0.3	0.6	5
QL484IT		635	Red Clear	180°	2.0	2.8	0.6	1.2	5
QL484RT	Yellow	660	Red Clear	180°	1.7	2.0	0.3	0.5	5
QL484YT		585	Yellow Clear	180°	2.0	2.8	0.4	1.0	5

Notes:

1. V_F & I_V @ $I_F = 1$ mA.
 3. V_F & I_V @ $I_F = 10$ mA.
 4. V_F & I_V @ $I_F = 20$ mA.
 5. V_F @ $I_F = 20$ mA; I_V @ $I_F = 10$ mA
- HER = High Efficiency Red.

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