



SMD LEDs

FEATURES

APPLICATIONS



- **Package and size (mm):**
 - » PLCC-2: 3.2x2.7x1.95 (LM1-XXX-01); 2.7x2x1.3 (LM3)
 - » PLCC-4: 3.2x2.7x1.95 (LM1-XXX-11); 3.2x2.8x1.95 (LM1-XXX-03); 3.2x2.7x3.45 (LM2)
 - » PLCC-6: 3.5x3.3x2 (LM6); 6x5x2.5 (LP6)
 - **Color and Typical Dominant Wavelength (nm):**
 - » Red (624 and 628)
 - » Pure Green (527)
 - » Blue (470)
 - » Bluish Green (505)
 - » Amber (591)
 - » White
 - **Viewing Angle: 60° and 120°**
 - **Lead-Free**
 - **RoHS Compliant**
- **Amusement**
 - » Pachinko
 - » Slot machine
 - » Pin Ball machine
 - » Gaming machine
 - **Automotive Lighting**
 - » Tail light
 - » Turning signal
 - » Center High Mounted Stop Lamps (CHMSL)
 - » Car Interior lighting

Typical Electrical - Optical Characteristics

| SMD | Part Number | Size (mm) | Color | Viewing Angle | Intensity (mcd) | | | Dominant Wavelength (nm) | | | Forward Voltage | | |
|-----------------------|-------------------|----------------|--------------|---------------|-----------------|------|------|--------------------------|-----|-----|-----------------|-----|-----|
| | | | | | min | typ | max | min | typ | max | typ | max | |
| SMD Top View | | | | | | | | | | | | | |
| Package: PLCC2 | | | | | | | | | | | | | |
| LM1-XXX-01 | LM1-THR1-01-N1 | 3.2*2.7 | Red | 120 | 280 | 400 | 560 | 620 | 628 | 635 | 2.3 | 2.6 | |
| | LM1-EPG1-01-N2 | 3.2*2.7 | Pure Green | 120 | 560 | 900 | 1400 | 520 | 527 | 540 | 3.4 | 4.0 | |
| | LM1-PPG1-01-N1 | 3.2*2.7 | Pure Green | 120 | 355 | 560 | 900 | 520 | 527 | 540 | 3.4 | 4.0 | |
| | LM1-EBL1-01-N2 | 3.2*2.7 | Blue | 120 | 112 | 320 | 710 | 460 | 470 | 480 | 3.4 | 4.0 | |
| | LM1-PBL1-01-N1 | 3.2*2.7 | Blue | 120 | 112 | 160 | 280 | 460 | 470 | 480 | 3.4 | 4.0 | |
| | LM1-PBG1-01-N1 | 3.2*2.7 | Bluish Green | 120 | 280 | 400 | 710 | 495 | 505 | 515 | 3.4 | 4.0 | |
| | LM1-TYL1-01-N1 | 3.2*2.7 | Amber | 120 | 280 | 300 | 450 | 584 | 591 | 596 | 2.3 | 2.6 | |
| | LM1-EWN1-01-N2 | 3.2*2.7 | White | 120 | 710 | 1000 | 1800 | - | - | - | 3.4 | 4.0 | |
| | LM1-PWN1-01-N1 | 3.2*2.7 | White | 120 | 355 | 600 | 900 | - | - | - | 3.4 | 4.0 | |
| | LM1-PWR1-01-N1 | 3.2*2.7 | White | 120 | 355 | 470 | 710 | - | - | - | 3.4 | 4.0 | |
| | LM3 | LM3-EWN1-01-N1 | 2.7*2.0 | White | 120 | 1120 | 1500 | 2240 | - | - | - | 3.4 | 4.0 |
| | | LM3-PWN1-01-N1 | 2.7*2.0 | White | 120 | 355 | 600 | 900 | - | - | - | 3.4 | 4.0 |
| | | LM3-PBG1-01-N1 | 2.7*2.0 | Bluish Green | 120 | 280 | 400 | 710 | 495 | 505 | 515 | 3.4 | 4.0 |
| LM3-PBL1-01-N1 | | 2.7*2.0 | Blue | 120 | 112 | 160 | 280 | 460 | 470 | 480 | 3.4 | 4.0 | |
| LM3-PPG1-01-N1 | 2.7*2.0 | Green | 120 | 450 | 640 | 900 | 520 | 527 | 540 | 3.4 | 4.0 | | |
| Package: PLCC4 | | | | | | | | | | | | | |
| LM1-XXX-11 | LM1-UHR1-11-N1 | 3.2*2.7 | Red | 120 | 1120 | 1600 | 2240 | 618 | 624 | 630 | 2.4 | 3.0 | |
| | LM1-UHR1-01-N1 | 3.2*2.7 | Red | 120 | 450 | 650 | 1120 | 618 | 624 | 630 | 2.1 | 2.6 | |
| | LM1-THR1-11-N1 | 3.2*2.7 | Red | 120 | 560 | 900 | 1400 | 620 | 628 | 635 | 2.5 | 3.2 | |
| | LM1-EPG1-11-N2 | 3.2*2.7 | Pure Green | 120 | 710 | 1100 | 1800 | 520 | 527 | 540 | 3.6 | 4.2 | |
| | LM1-PPG1-11-N1 | 3.2*2.7 | Pure Green | 120 | 450 | 700 | 1120 | 516 | 527 | 536 | 3.6 | 4.2 | |
| | LM1-EBL1-11-N2 | 3.2*2.7 | Blue | 120 | 180 | 400 | 1120 | 460 | 470 | 480 | 3.6 | 4.2 | |
| | LM1-PBL1-11-N1 | 3.2*2.7 | Blue | 120 | 140 | 200 | 355 | 460 | 470 | 480 | 3.6 | 4.2 | |
| | LM1-PBG1-11-N1 | 3.2*2.7 | Bluish Green | 120 | 355 | 560 | 900 | 495 | 505 | 515 | 3.6 | 4.2 | |
| | LM1-UYL1-11-N1 | 3.2*2.7 | Amber | 120 | 1120 | 1500 | 2800 | 584 | 591 | 596 | 2.4 | 3.0 | |
| | LM1-UYL1-01-N1 | 3.2*2.7 | Amber | 120 | 355 | 600 | 1120 | 584 | 591 | 596 | 2.1 | 2.6 | |
| | LM1-TYL1-11-N1 | 3.2*2.7 | Amber | 120 | 450 | 700 | 1120 | 584 | 591 | 596 | 2.6 | 3.2 | |
| | LM1-EWN1-11-N2 | 3.2*2.7 | White | 120 | 900 | 1400 | 2240 | - | - | - | 3.6 | 4.2 | |
| | LM1-PWN1-11-N1 | 3.2*2.7 | White | 120 | 450 | 780 | 1120 | - | - | - | 3.6 | 4.2 | |
| | LM1-PWR1-11-N1 | 3.2*2.7 | White | 120 | 450 | 700 | 1120 | - | - | - | 3.6 | 4.2 | |
| | LM1-XXX-03 | LM1-THR1-03 | 3.2*2.8 | Red | 120 | 710 | 1100 | 1800 | 620 | 628 | 635 | 2.3 | 2.6 |
| LM1-PPG1-03-N1 | | 3.2*2.8 | Pure Green | 120 | 900 | 1200 | 1800 | 520 | 527 | 540 | 3.4 | 4.0 | |

| SMD | Part Number | Size (mm) | Color | Viewing Angle | Intensity (mcd) | | | Dominant Wavelength (nm) | | | Forward Voltage | |
|----------------------------|------------------|--------------------|----------------------|---------------|-----------------|-----------|---------|--------------------------|---------|-----|-----------------|-----|
| | | | | | min | typ | max | min | typ | max | typ | max |
| LM2 | LM1-PBL1-03-N1 | 3.2*2.8 | Blue | 120 | 280 | 440 | 710 | 460 | 470 | 480 | 3.4 | 4.0 |
| | LM1-PBG1-03-N1 | 3.2*2.8 | Bluish Green | 120 | 710 | 1050 | 1800 | 495 | 505 | 515 | 3.4 | 4.0 |
| | LM1-TYL1-03 | 3.2*2.8 | Amber | 120 | 560 | 800 | 1120 | 584 | 591 | 596 | 2.3 | 2.6 |
| | LM1-PWN1-03-N1-M | 3.2*2.8 | White | 120 | 900 | 1400 | 2240 | - | - | - | 3.4 | 4.0 |
| | LM1-PWN1-03-N1 | 3.2*2.8 | White | 120 | 900 | 1300 | 2240 | - | - | - | 3.4 | 4.0 |
| | LM2-UHR1-F1-N1 | 3.2*2.7 | Red | 60 | 2240 | 3700 | 5600 | 618 | 624 | 630 | 2.5 | 3.0 |
| | LM2-THR1-F1-N1 | 3.2*2.7 | Red | 60 | 1400 | 2200 | 3550 | 620 | 628 | 635 | 2.5 | 3.2 |
| | LM2-UYL1-F1-N1 | 3.2*2.7 | Amber | 60 | 2240 | 3300 | 5600 | 584 | 591 | 596 | 2.5 | 3.0 |
| LM2-TYL1-F1-N1 | 3.2*2.7 | Amber | 60 | 1120 | 1800 | 2800 | 584 | 591 | 596 | 2.6 | 3.2 | |
| Package: PLCC6 | | | | | | | | | | | | |
| LM6 | LM6-THR1-03-N1 | 3.3*3.5 | Red | 120 | 710 | 1100 | 1800 | 621 | 628 | 636 | 2.5 | 3.2 |
| | LM6-THR1-3B-N1 | 3.3*3.5 | Red | 120 | 710 | 1100 | 1800 | 621 | 628 | 636 | 2.5 | 3.2 |
| | LM6-PPG1-03-N1 | 3.3*3.5 | Pure Green | 120 | 1120 | 1600 | 2800 | 520 | 527 | 540 | 3.4 | 4.0 |
| | LM6-PPG1-3B-N1 | 3.3*3.5 | Pure Green | 120 | 1120 | 1600 | 2800 | 520 | 527 | 540 | 3.4 | 4.0 |
| | LM6-PBL1-03-N1 | 3.3*3.5 | Blue | 120 | 355 | 600 | 900 | 460 | 470 | 480 | 3.4 | 4.0 |
| | LM6-PBL1-3B-N1 | 3.3*3.5 | Blue | 120 | 355 | 600 | 900 | 460 | 470 | 480 | 3.4 | 4.0 |
| LP6 | LP6-PBL1-03-N1 | 6.0*5.0 | Blue | 120 | 560 | 850 | 1400 | 460 | 470 | 480 | 4.0 | 5.1 |
| | LP6-PPG1-03-N1 | 6.0*5.0 | Pure Green | 120 | 2240 | 3500 | 4500 | 514 | 524 | 534 | 4.0 | 5.1 |
| | LP6-EWN1-03-N3 | 6.0*5.0 | White | 120 | 7100 | 10000 | 14000 | - | - | - | 3.8 | 4.8 |
| | LP6-PWN1-03-N1 | 6.0*5.0 | White | 120 | 2240 | 3500 | 5600 | - | - | - | 4.0 | 5.1 |
| LP6-PWR1-03-N1 | 6.0*5.0 | White | 120 | 1800 | 3100 | 4500 | - | - | - | 4.0 | 5.1 | |
| 3 IN 1 - Full Color | | | | | | | | | | | | |
| LM1 | LM1-PPP1-01-N1 | 3.2*2.8 | Red | 120 | 180 | 300 | 450 | - | 612~622 | - | 2.0 | 2.5 |
| | | | Green | | 280 | 450 | 710 | | 520~540 | | 3.4 | 4.0 |
| | | | Blue | | 71 | 110 | 180 | | 460~480 | | 3.4 | 4.0 |
| LM1-NPP1-01-N1 | 3.2*2.8 | RGB | 120 | - | 560~1250 | - | - | 610~620 | - | 2.0 | 2.5 | |
| | | | | 520~540 | 3.4 | 4.0 | | | | | | |
| | | | | 460~480 | 3.4 | 4.0 | | | | | | |
| LM1-NRR1-01-N1 | 3.2*2.8 | RGB | 120 | 112 | 180 | 280 | - | 610~620 | - | 2.0 | 2.5 | |
| | | | | 180 | 250 | 280 | | 520~540 | | 3.4 | 4.0 | |
| | | | | 45 | 70 | 112 | | 460~480 | | 3.4 | 4.0 | |
| LV1 | LV1-UEE2-01-N2 | 3.2*2.8 | Red | 120 | 450 | 650 | - | 618~630 | - | 2.0 | 2.5 | |
| | | | Green | | 710 | 1120 | - | 520~540 | | 3.2 | 4.0 | |
| | | | Blue | | 280 | 400 | - | 460~480 | | 3.2 | 4.0 | |
| LV1 | LV1-UEE2-01-N2 | 3.2*2.8 | Red | 120 | 224 | 320 | 560 | 618~630 | - | 2.0 | 2.5 | |
| | | | Green | | 280 | 500 | 710 | 520~540 | | 3.2 | 4.0 | |
| | | | Blue | | 112 | 160 | 224 | 460~480 | | 3.2 | 4.0 | |
| LM6 | LM6-UEE2-01-N2 | 3.3*3.5 | Red | 120 | 450 | 620 | 1120 | 618~630 | - | 2.0 | 2.5 | |
| | | | Green | | 560 | 1100 | 1800 | 520~540 | | 3.2 | 4.0 | |
| | | | Blue | | 224 | 355 | 560 | 460~480 | | 3.2 | 4.0 | |
| LP6 | LP6-UEE2-0B-N2 | 6.0*5.0 | Red | 120 | 450 | 620 | 1120 | 618~630 | - | 2.0 | 2.5 | |
| | | | Green | | 560 | 1100 | 1400 | 520~540 | | 3.2 | 4.0 | |
| | | | Blue | | 224 | 355 | 560 | 460~480 | | 3.2 | 4.0 | |
| LP6 | LP6-PPP1-01-N1 | 6.0*5.0 | Red | 120 | 710 | 1000 | 1800 | 610~625 | - | 2.0 | 2.5 | |
| | | | Green | | 710 | 900 | 1800 | 514~534 | | 4.0 | 5.1 | |
| | | | Blue | | 280 | 390 | 710 | 460~480 | | 4.0 | 5.1 | |
| LP6 | LP6-NPP1-01-N1 | 6.0*5.0 | RGB | 120 | - | 1400~3550 | - | 610~625 | - | 2.0 | 2.5 | |
| | | | | | 514~534 | 4.0 | 5.1 | | | | | |
| | | | | | 460~480 | 4.0 | 5.1 | | | | | |
| 2 IN 1 - Dual Color | | | | | | | | | | | | |
| LM1 | LM1-PRB1-01-N1 | 3.2*2.8 | Red and Blue | 120 | 112 | 160 | 280 | 460~480 | - | 3.4 | 4.0 | |
| | | | | | 180 | 290 | 450 | 617~622 | | 2.0 | 2.5 | |
| | LM1-PYG1-01-N1 | 3.2*2.8 | Amber and Pure Green | 120 | 355 | 500 | 900 | 520~540 | - | 3.4 | 4.0 | |
| | | | | | 112 | 200 | 280 | 584~596 | | 2.0 | 2.5 | |
| | LM1-PRG1-01-N1 | 3.2*2.8 | Red and Pure Green | 120 | 280 | 450 | 710 | 520~540 | - | 3.4 | 4.0 | |
| | | | | | 112 | 180 | 280 | 620~628 | | 2.0 | 2.5 | |
| | LM1-PRG1-01-N2 | 3.2*2.8 | Red and Pure Green | 120 | 280 | 450 | 710 | 520~540 | - | 3.4 | 4.0 | |
| | | | | | 112 | 180 | 280 | 620~628 | | 2.0 | 2.5 | |
| LM1-PRG1-0B-N2 | 3.2*2.8 | Red and Pure Green | 120 | 280 | 450 | 710 | 520~540 | - | 3.4 | 4.0 | | |
| | | | | 112 | 180 | 280 | 620~628 | | 2.0 | 2.5 | | |
| LM1-PRS1-01-N1 | 3.2*2.8 | Red and Pure Green | 120 | 280 | 450 | 710 | 505~525 | - | 3.4 | 4.0 | | |
| | | | | 112 | 180 | 280 | 620~628 | | 2.0 | 2.5 | | |
| LM1-PRS1-0B-N1 | 3.2*2.8 | Red and Pure Green | 120 | 280 | 450 | 710 | 505~525 | - | 3.4 | 4.0 | | |
| | | | | 112 | 180 | 280 | 620~628 | | 2.0 | 2.5 | | |
| SMD Side View | | | | | | | | | | | | |
| LS8 | LS8-FWN1-01-CR | 2.8*1.2*0.8 | White | 120 | 1100 | 1500 | 1800 | - | - | - | 3.4 | 4.0 |
| | LS8-PWN1-01-N1 | 2.8*1.2*0.8 | White | 120 | 355 | 550 | 710 | - | - | - | 3.4 | 4.0 |
| | LS8-PPG1-01-N1 | 2.8*1.2*0.8 | Pure Green | 120 | 355 | 560 | 900 | 520 | 527 | 540 | 3.4 | 4.0 |