



ULTRA LED LAMPS

| Part No. | Chip | | Lens Appearance | Absolute Maximum Ratings | | | | Electro-optical Data (At 20mA) | | | Viewing Angle 2θ 1/2 (deg) | Drawing No. | |
|------------------|------------------------|--------------------------|-----------------|--------------------------|---------|---------|-----------|--------------------------------|------|----------|----------------------------|-------------|----|
| | Material/Emitted Color | Peak Wave Length λp (nm) | | Δλ (nm) | Pd (mw) | If (mA) | Peak (mA) | Vf (V) | | Iv (mcd) | | | |
| | | | | | | | | Typ | Max | Typ. | | | |
| LA-304V2CA-2A-01 | AlInGaP/GaAs | 630 | Water | 20 | 80 | 20 | 100 | 1.8 | 2.4 | 700 | 15 | L-001 | |
| LA-304V1CA-3A-01 | AlInGaP/GaAs | 625 | | 20 | 120 | 20 | 100 | 1.8 | 2.4 | 1300 | 15 | | |
| LA-304V4CA-1B-01 | AlGaInP | 630 | | 20 | 80 | 20 | 100 | 2.25 | 2.6 | 3000 | 20 | | |
| LA-304G4CA-2A-01 | AlGaInP/GaAs | 573 | | 20 | 80 | 20 | 100 | 1.9 | 2.4 | 500 | 15 | | |
| LA-304G6CA-3C-02 | InGaN | 518 | | 25 | 120 | 20 | 100 | 3.2 | 4.0 | 2800 | 20 | | |
| LA-304Y2CA-2A-01 | AlGaInP/GaAs | 590 | | 20 | 60 | 20 | 100 | 1.9 | 2.4 | 1000 | 15 | | |
| LA-304Y2CA-3A-01 | AlGaInP/GaAs | 590 | | 20 | 120 | 20 | 100 | 1.9 | 2.4 | 1700 | 15 | | |
| LA-304Y3CA-1B-01 | AlGaInP | 590 | | Clear | 30 | 80 | 20 | 100 | 2.25 | 2.6 | 3200 | | 15 |
| LA-304A2CA-1A-01 | AlGaInP/GaAs | 605 | | | 20 | 80 | 20 | 100 | 1.8 | 2.3 | 1500 | | 15 |
| LA-304A2CA-2A-01 | AlInGaP | 605 | | | 25 | 80 | 20 | 100 | 1.8 | 2.4 | 2500 | | 25 |
| LA-304B2CA-1A-01 | InGaN | 460 | 25 | | 80 | 20 | 100 | 3.0 | 3.8 | 1500 | 15 | | |
| LA-503V2CA-2A-01 | AlInGaP/GaAs | 630 | 20 | | 80 | 20 | 100 | 1.8 | 2.4 | 2500 | 15 | L-002 | |
| LA-503V1CA-3B-01 | AlInGaP/GaAs | 625 | 20 | 120 | 20 | 100 | 1.8 | 2.4 | 5500 | 20 | | | |
| LA-503V4CA-1B-01 | AlInGaP/GaAs | 635 | 25 | 80 | 20 | 100 | 2.25 | 2.6 | 6000 | 15 | | | |
| LA-503G4CA-2A-02 | AlGaInP/GaAs | 573 | 20 | 80 | 20 | 100 | 1.9 | 2.4 | 1000 | 15 | | | |
| LA-503G6CA-3C-01 | InGaN | 518 | 25 | 120 | 20 | 100 | 3.2 | 4.0 | 8500 | 15 | | | |
| LA-503Y2CA-2A-01 | AlGaInP/GaAs | 590 | 20 | 80 | 20 | 100 | 1.9 | 2.4 | 3500 | 15 | | | |
| LA-503Y2CA-3A-01 | AlGaInP/GaAs | 590 | 20 | 120 | 20 | 100 | 1.9 | 2.4 | 4000 | 15 | | | |
| LA-503Y3CA-1B-01 | AlGaInP | 590 | Clear | 30 | 120 | 20 | 100 | 2.0 | 3.0 | 4000 | 15 | | |
| LA-503A2CA-1A-01 | AlGaInP/GaAs | 605 | | 20 | 60 | 20 | 100 | 1.8 | 2.3 | 2400 | 15 | | |
| LA-503A2CA-2A-01 | AlInGaP | 605 | | 25 | 80 | 20 | 100 | 1.8 | 2.4 | 4000 | 15 | | |
| LA-503B2CA-1A-01 | InGaN | 468 | | 25 | 80 | 20 | 100 | 3.6 | 4.5 | 3500 | 15 | | |

