

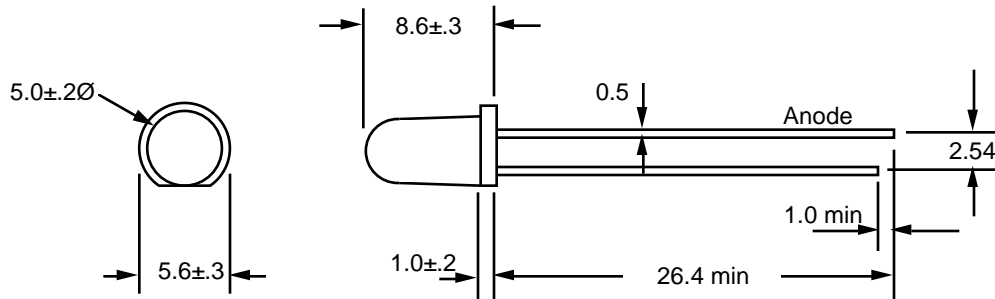
K Series, Small View Angle, Water Clear LED, 4381 K Series T-1 3/4, 5mm Round, Ultra Bright, Tapered Lens



These K series lamps are made with the brightest AlInGaP chips which can be used for super brightness at low current (2mA) or ultra brightness at standard current (20mA). This tapered lens is ideal for higher intensity when a smaller viewing angle is acceptable and can be used in outdoor applications.



RoHS Compliant
Aug 2004



GENERAL INFORMATION

| | |
|------------------------------|----------------------|
| Operating Temperature Range | -30 °C to +85 °C |
| Storage Temperature Range | -55 °C to +100 °C |
| Reflow Soldering Temperature | 260 °C for 5 sec max |

APPLICATION INFORMATION (ALL RATINGS AT 25 °C AMBIENT)

| Part No. | Emitted Color | Peak | | Absolute Maximum Ratings | | | | | E/O Characteristics | | | | | |
|------------|---------------|-----------|-----------------|--------------------------|---------|----------------------|----------------------------|-----------|----------------------|------|---------------------|-----|--------------------------|-----|
| | | λ | $\Delta\lambda$ | Pd (mW) | If (mA) | | Ir @Vr=5V (μ A) | Vr (V) | Iv (mcd) @If=20mA | | Vf (V) @ If=20mA | | $2\Theta_{1/2}$ (Deg) | |
| | | (nm) | (nm) | | dc | 1/10 duty @ 1 kHz | | | 2mA | Min | Typ | Min | | Typ |
| KRC4381-5 | Red | 632 | 20 | 120 | 25 | 200 | 10 | 5 | 183 | 3960 | 6490 | 2.0 | 2.4 | 6 |
| KRC4381-6 | Red | 632 | 20 | 120 | 25 | 200 | 10 | 5 | 220 | 4790 | 8200 | 2.0 | 2.4 | 6 |
| KYC4381-5 | Yellow | 591 | 15 | 120 | 25 | 200 | 10 | 5 | 231 | 4870 | 7920 | 2.0 | 2.4 | 6 |
| KYC4381-6 | Yellow | 591 | 15 | 120 | 25 | 200 | 10 | 5 | 268 | 6090 | 9750 | 2.0 | 2.4 | 6 |
| KYC4381-7 | Yellow | 591 | 15 | 120 | 25 | 200 | 10 | 5 | - | 8120 | 10560 | 2.0 | 2.4 | 6 |
| KOC4381-5 | Orange | 621 | 18 | 120 | 25 | 200 | 10 | 5 | 258 | 5430 | 9270 | 2.0 | 2.4 | 6 |
| KOC4381-6 | Orange | 621 | 18 | 120 | 25 | 200 | 10 | 5 | 298 | 6780 | 11300 | 2.0 | 2.4 | 6 |
| KOC4381-7 | Orange | 621 | 18 | 120 | 25 | 200 | 10 | 5 | - | 9040 | 11760 | 2.0 | 2.4 | 6 |
| KDC4381-5 | DeepRd | 650 | 20 | 120 | 25 | 200 | 10 | 5 | - | 2800 | 3780 | 2.0 | 2.4 | 6 |
| KYOC4381-5 | YelOrng | 611 | 17 | 120 | 25 | 200 | 10 | 5 | - | 5150 | 8590 | 2.0 | 2.4 | 6 |
| KYOC4381-6 | YelOrng | 611 | 17 | 120 | 25 | 200 | 10 | 5 | - | 6440 | 10520 | 2.0 | 2.4 | 6 |
| KYOC4381-7 | YelOrng | 611 | 17 | 120 | 25 | 200 | 10 | 5 | - | 8570 | 11140 | 2.0 | 2.4 | 6 |

Specifications subject to change without notice. Dimensions are in mm±0.3 unless stated otherwise.

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