WILBRECHT LEDCO, INC.

RA Series T1 3/4 Right Angle LED Bar*

Special Features

*Patented

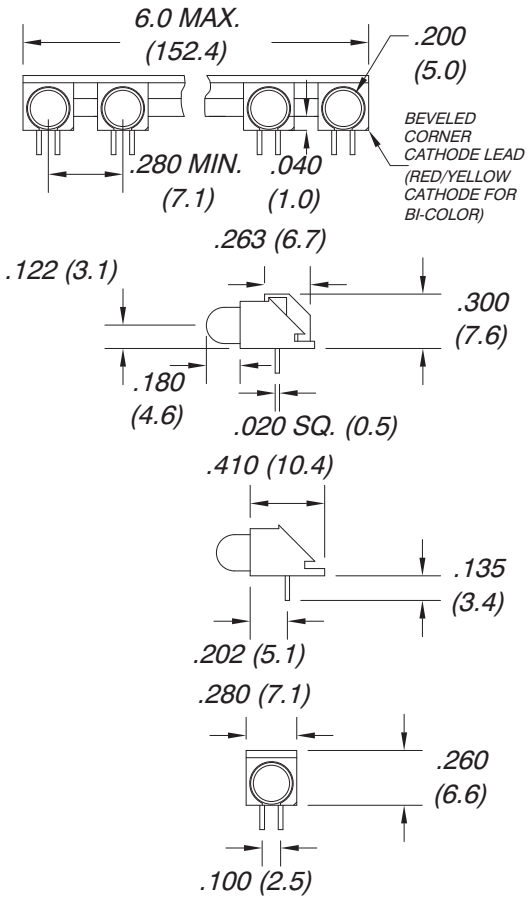
- Customized to your specifications without tooling charges
  - Variable LED spacing, minimum,280" (7.1 mm)
  - Maximum bar length 6.0" (152.4 mm)
- Available with 2 to 22 T1 3/4 LEDs in one convenient assembly
- Bar provides consistent alignment for multiple LED mounting
- Wave solderable and chemically cleanable
- Housing and bar material UL 94V-O rated

5mm PC Board Mount LEDs

Electrical and Optical Characteristics (TA = 25°C)

LED Part #	Color	Luminous Intensity (mcd) Typ. @ I_F (mA)		V_F Typ. @ I_F (mA)		Viewing Angle 2 θ ½	Peak Wavelength (nm)
HIGH EFFICIENCY							
3008	Red	11.0	10	1.9	10	60°	635
3019	Green	14.0	10	2.1	10	60°	565
3020	Yellow	8.0	10	2.0	10	60°	583
3022	Orange	7.0	10	1.9	10	60°	600
ULTRA BRIGHT - DAYLIGHT READABLE							
3056	Red	400.0	20	1.9	20	30°	660
3055	Yellow	400.0	20	2.0	20	30°	590
3054	Green	300.0	20	3.2	20	30°	520
3060	Orange	600.0	20	2.1	20	30°	610
SUPER ULTRA BRIGHT							
3036	Red	2800.0	20	1.85	20	20°	660
3046	Red	900.0	20	1.9	20	30°	626
3047	Green	5490.0	20	3.2	20	20°	520
3048	Amber	1300.0	20	2.02	20	30°	592
BLINKING (Operates at 3.5V to 14V, blinking frequency from 3.0Hz to 1.5Hz)							
4002	Red	198.0	22	5.0	22	60°	660
BLUE							
3044	Blue	60.0	20	3.8	20	20°	430
3057	Blue	640.0	20	3.3	20	20°	468
WHITE							
3061	White	27000.0	20	3.2	20	15°	N/A
BICOLOR							
9001	Red	30.0	20	2.0	20	60°	627
	Green	20.0	20	2.2	20		565
9002	Yellow	10.0	20	2.1	20	60°	590
	Green	20.0	20	2.2	20		565
5V INTERNAL RESISTOR							
3040	Red	30.0	13	5.0	13	30°	627
3042	Yellow	20.0	13	5.0	13	30°	590
3043	Green	20.0	13	5.0	13	30°	565

Package Dimensions



All dimensions are in inches (mm)

How To Order

Individual RA LEDs

RA **x** - **xxxx**

- **x** — LED Color: Red=R, Yellow=Y, Green=G, Orange=O, Blue=L, Bicolor=B, White=W
- **xxxx** — See LED Part #

Multiple RA LEDs on a Bar

x RA **x** - **xxxx** - **xxx**

- **x** — # of LEDs Per Bar
- **x** — LED Color: R=Red, Y=Yellow, G=Green, O=Orange, L=Blue, B=Bicolor, W=White, M=Multiple
- **xxxx** — LED Part# (Use MCOO for multiple colors)
- **xxx** — Center to Center Spacing of LEDs in inches (If spacing varies use SPL)