

Dialight



UNIFORM APPEARANCE LED ARROWS

Lighting Uniformity. ITE Conformity.

FEATURES / BENEFITS

- ▲ All modules (including yellow) meet the ITE VTCSH Part 3 over the full temperature range of -40°C to +74°C
- ▲ Uniform non-pixelated appearance
- ▲ Expanded view radiation pattern meets ITE VTCSH-3 LED Arrow Specification
- ▲ 90% reduction in power vs. incandescent
- ▲ Long life; Up to 10 times longer than incandescent
- ▲ Fuse and transient suppressor incorporated for superior line and load protection
- ▲ Convex tinted lens reduces glare and sun reflection
- ▲ Hard coated lenses for abrasion resistance
- ▲ Easy to install into existing signal enclosure

SPECIFICATIONS

- ▲ Operating Voltage Range:
80VAC to 135VAC (120VAC nominal)
- ▲ Operating Temperature Range: -40°C to +74°C
- ▲ Turn-on / Turn-off Time < 75 msec
- ▲ Power Factor > 0.9
- ▲ Total Harmonic Distortion < 20%
- ▲ Meets FCC Title 47, Subpart B, Section 15 regulations for electrical noise
- ▲ Failed State Impedance > 250K ohm within 300ms
- ▲ Conforms to MIL-STD-810F for blowing rain
- ▲ Conforms to MIL-STD-883, Test Method 2007, for mechanical vibration
- ▲ Conforms to MIL-STD-883, Test Method 1010, temperature cycling requirements
- ▲ Provided with quick connect terminals and spade adapters
- ▲ Written manufacturer's warranty available on request
- ▲ All products traceable by serial number
- ▲ Luminance Uniformity and Color Uniformity exceed ITE VTCSH-3 LED Arrow Specification requirements
- ▲ Transient suppression exceeds ITE VTCSH-3 LED Arrow Specification requirements and meets the following standards:
 - NEMA TS-2 Sec. 2.1.6 and Sec. 2.1.8
 - EC 1000-4-5, 3KV, 2 ohm source impedance
 - ANSI/IEEE C62, 41-2002; IEC 61000-4-12, 6KV, 200A, 100KHz ring wave
- ▲ Power supply is conformally coated for robust operation

**WE MEET THE NEW
ITE REQUIREMENTS,
EVEN YELLOW AT 74°C**

Dialight reserves the right to make changes at any time
in order to supply the best product possible.

Dialight Corporation

1501 Route 34 South • Farmingdale, NJ 07727 USA

Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • www.dialight.com



MDTSARWEXCAL001_B



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UNIFORM APPEARANCE LED ARROWS

12" (300mm) - 120 VOLT ARROWS

Part Number	Color	Lens Type	Typical Wattage at 25°C	Dominant Wavelength (nm)	Peak Minimum Maintained Luminous Intensity (cd)
432-1314-001X	Red	Tinted	7	625	59
431-3334-001X	Yellow	Tinted	9	590	146
432-2324-001X	Green	Tinted	7	500	76
432-2374-001X	Green	Clear	7	500	76

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