

Caltrans LED Modules 433 Series TRAFFIC SIGNALS



FEATURES / BENEFITS

- ▲ Robust Hi-Flux LED Technology
- ▲ Uniform illumination - better than incandescent
- ▲ 90% reduction in power vs. incandescent
- ▲ Long life; Up to 10 times longer than incandescent
- ▲ Hard coated lenses for abrasion resistance
- ▲ Wide selection of products
- ▲ Easy to install into existing signal enclosure
- ▲ Caltrans approved
- ▲ CSA approved types available

SPECIFICATIONS

- ▲ Operating Voltage Range:
 - 80VAC to 135VAC (120VAC nominal)
 - 195VAC to 265VAC (230VAC nominal)
- ▲ Convex tinted lens reduces glare & sun reflection
- ▲ Fuse and transient suppressor incorporated for line and load protection
- ▲ Operating Temperature Range: -40°C to +74°C
- ▲ Turn on / Turn off Time = 75 msec max
- ▲ Power factor > 0.9
- ▲ Total harmonic distortion < 20%
- ▲ Meets FCC Title 47, Subpart B, Section 15 Regulations for electrical noise
- ▲ Conforms to MIL-STD-810F for blowing rain
- ▲ Provided with quick connect terminals and spade adapters
- ▲ Written manufacturer's warranty available on request
- ▲ All products traceable by serial number

Dialight Corporation

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MDTSMODP001_G

8" (200mm) SIGNAL MODULES

| Part Number | Color | CSA Approved ¹ | Approved by Caltrans | EN 12368 class A2/1 Type W | Lens Type | Typical Wattage at 25°C | Min Luminous Intensity ² (cd) | Dominant Wavelength (nm) |
|-----------------|--------|---------------------------|----------------------|----------------------------|-----------|-------------------------|--|--------------------------|
| 120 Volt | | | | | | | | |
| 433-1110-003 | Red | ✓ | ✓ | | Tinted | 6 | 133 | 622 |
| 433-3130-001 | Yellow | ✓ | ✓ | | Tinted | 9 | 331 | 590 |
| 433-2120-001 | Green | ✓ | ✓ | | Tinted | 10 | 267 | 505 |
| 433-2170-001 | Green | ✓ | ✓ | | Clear | 10 | 267 | 505 |
| 230 Volt | | | | | | | | |
| 433-1110-002 | Red | | | ✓ | Tinted | 6 | 250 | 622 |
| 433-3130-002 | Yellow | | | ✓ | Tinted | 9 | 250 | 590 |
| 433-2120-002 | Green | | | ✓ | Tinted | 10 | 250 | 505 |

¹ CSA approval is to Std. 250 for Luminaires

² Initial: Measured at peak intensity point

12" (300mm) SIGNAL MODULES

| Part Number | Color | CSA Approved ¹ | Approved by Caltrans | EN 12368 class A2/1 Type W | Lens Type | Typical Wattage at 25°C | Min Luminous Intensity ² (cd) | Dominant Wavelength (nm) |
|-----------------|--------|---------------------------|----------------------|----------------------------|-----------|-------------------------|--|--------------------------|
| 120 Volt | | | | | | | | |
| 433-1210-003 | Red | ✓ | ✓ | | Tinted | 6 | 339 | 622 |
| 433-3230-001 | Yellow | ✓ | ✓ | | Tinted | 12 | 678 | 590 |
| 433-2220-001 | Green | ✓ | ✓ | | Tinted | 14 | 678 | 505 |
| 433-2270-001 | Green | ✓ | ✓ | | Clear | 14 | 678 | 505 |
| 230 Volt | | | | | | | | |
| 433-1210-002 | Red | | | ✓ | Tinted | 6 | 250 | 622 |
| 433-3230-002 | Yellow | | | ✓ | Tinted | 12 | 250 | 590 |
| 433-2220-002 | Green | | | ✓ | Tinted | 14 | 250 | 505 |

¹ CSA approval is to Std. 250 for Luminaires

² Initial: Measured at peak intensity point.

³ Extreme Bright Yellow for high visibility is 2.3 times brighter than standard 12" yellow LED signals.

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