

# Dialight

## 586 Series BASED LED

### T1 3/4 WEDGE (T5)

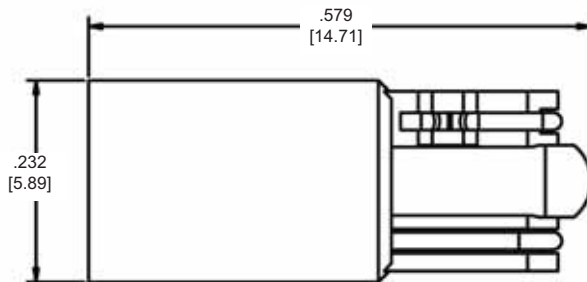


## FEATURES / BENEFITS

- ▲ RoHS Compliant
- ▲ Unique multi-LED design provide superior illumination
- ▲ High brightness with low current draw - uses up to 90% less energy than incandescent
- ▲ Long Life - up to 100K hours
- ▲ True non-polarized design
- ▲ No heat generated
- ▲ Mounts directly into industry standard socket
- ▲ Resistant to shock and vibration
- ▲ Incorporating AlInGaP and InGaN technology
- ▲ Colors include red, green, yellow, blue, and white

Dialight's line of based LED lamps is designed to directly replace many popular subminiature and miniature incandescent lamps. The benefits of LED technology over incandescent are significant: They offer long life, are shock resistant, withstand vibration and provide energy conservation.

## SPECIFICATIONS



*Measurements are typical  
Dimensions are inches [mm]*

- ▲ Operating Voltages: 6, 12, 14, 24, and 28 VDC
- ▲ Non-polarized
- ▲ Operating temperature: -30°C to +85°C
- ▲ Storage temperature: -40°C to +100°C
- ▲ Replaces incandescent lamp numbers\*: 79, 16, 84, 86, 18, 37, 70, 73, 74, 17, 85

\* See Dialight's Incandescent lamp/based LED cross reference guide for a complete listing

## CONSIDERATIONS

- ▲ Since lens caps act as filters for the light emitted from the based LED, it is important to match the emitting color of the LED. If not matched properly, the overall light output may be substantially reduced. Dialight recommends using transparent lenses which will optimize the light output.
- ▲ Although these lamps can be operated at a lower voltage, which will increase the life, the intensity will be reduced.
- ▲ Operation of the based LED at a higher voltage should not exceed 10% above the recommended voltage.
- ▲ Dialight does not recommend that based LED lamps be used in neon sockets.

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



## Dialight Corporation

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**T1 3/4 WEDGE (T5) NON-POLARIZED**

PART NUMBER	COLOR	PEAK WAVELENGTH (nm)	VOLTAGE (VDC)	CURRENT TYP.-(mA)	INTENSITY TYP.-(mcd)	RoHS COMPLIANT
586-1201-201F	Red	615	6	35	450	✓
586-1202-201F	Green	528	6	12	120	✓
586-1203-201F	Yellow	587	6	35	450	✓
586-1205-201F	Blue	470	6	12	50	✓
586-1206-201F	White	*	6	15	320	✓
586-1201-202F	Red	615	12	18	450	✓
586-1202-202F	Green	528	12	8	170	✓
586-1203-202F	Yellow	587	12	18	450	✓
586-1205-202F	Blue	470	12	8	70	✓
586-1206-202F	White	*	12	11	450	✓
586-1201-203F	Red	615	14	20	500	✓
586-1202-203F	Green	528	14	8.5	185	✓
586-1203-203F	Yellow	587	14	20	500	✓
586-1205-203F	Blue	470	14	8.5	75	✓
586-1206-203F	White	*	14	12	500	✓
586-1201-204F	Red	615	24	14	350	✓
586-1202-204F	Green	528	24	10	215	✓
586-1203-204F	Yellow	587	24	14	350	✓
586-1205-204F	Blue	470	24	10	85	✓
586-1206-204F	White	*	24	14	580	✓
586-1201-205F	Red	615	28	14	350	✓
586-1202-205F	Green	528	28	10	210	✓
586-1203-205F	Yellow	587	28	14	350	✓
586-1205-205F	Blue	470	28	10	80	✓
586-1206-205F	White	*	28	14	540	✓

\* Color Coordinates: x = .330, y = .330

**Based LEDs SELECTION**

With the technological advancements in Light Emitting Diodes (LEDs) brightness can now rival the incandescent lamp when used in similar packages. These advancements have created a new type of product called the based LED - an LED with the functionality of an incandescent bulb.

The following styles are currently available in red, green, yellow, blue and white:

- ▲ T1 3/4 Midget Flange                      ▲ T1 3/4 Bi-Pin                                      ▲ T1 3/4 Wedge (T5)                      ▲ T2 Telephone Slide
- ▲ T3 1/4 Miniature Bayonet (BA9s)      ▲ T3 1/4 Miniature Screw (E10)              ▲ T3 1/4 Wedge (T10)                      ▲ 15mm SC Bayonet (BA15s)

Dialight's line of based LEDs continues to grow. Please visit our website for more information.

[www.dialight.com](http://www.dialight.com)

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