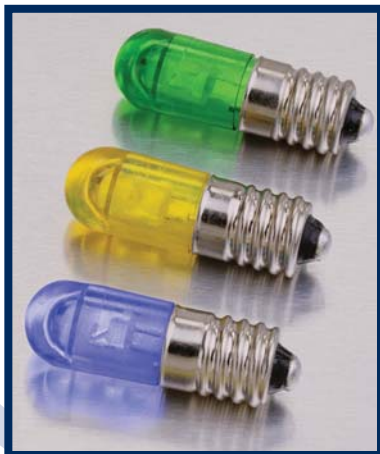




## 586 Series BASED LED T 3 1/4 MINIATURE SCREW (E10)

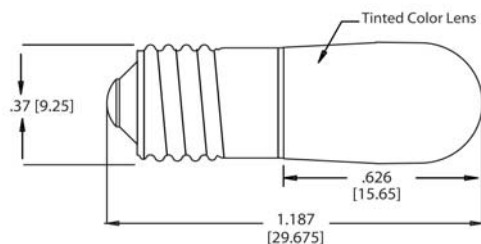


### FEATURES / BENEFITS

- ▲ Easy installation
- ▲ Super bright single chip design
- ▲ AlInGaP and InGaN technology
- ▲ Polarized and non polarized configurations available
- ▲ High brightness with low current draw - uses up to 90% less energy than an incandescent
- ▲ Long life - typically 100K hours
- ▲ No heat generated
- ▲ Resistant to shock and vibration
- ▲ Integral resistor
- ▲ Colors include red, green, amber, 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 - 6,14 and 28 VDC
- ▲ Non-polarized
- ▲ Operating temperature: -30°C to 85°C
- ▲ Storage temperature: -40°C to 100°C
- ▲ Replaces incandescent lamp numbers:  
40, 46, 1481, 1487, 1821\*

\* May replace other incandescent lamps.

### CONSIDERATIONS

- ▲ 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 the based LED lamps be used in neon lamp sockets.
- ▲ Since lens caps act as filters for the light emitted from the based LED, it is important to match the color of the wave length of the LED. Dialight recommends using transparent lenses, which will optimize light output.

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



**Dialight Corporation**

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MDEL586F001\_A

## T 3 1/4 MINIATURE SCREW (E10)

| Part Number  | Color  | Polarity      | Peak Wavelength nm | Nominal Voltage | Forward Current (TYP. - mA) | Intensity (TYP. - mcd) |
|--------------|--------|---------------|--------------------|-----------------|-----------------------------|------------------------|
| 586-2701-201 | Red    | Non-Polarized | 630                | 6               | 15                          | 1050                   |
| 586-2702-201 | Green  | Non-Polarized | 525                | 6               | 15                          | 1650                   |
| 586-2703-201 | Yellow | Non-Polarized | 592                | 6               | 15                          | 1275                   |
| 586-2705-201 | Blue   | Non-Polarized | 470                | 6               | 15                          | 487                    |
| 586-2706-201 | White  | Non-Polarized | *                  | 6               | 15                          | 825                    |
| 586-2701-203 | Red    | Non-Polarized | 630                | 14              | 15                          | 1050                   |
| 586-2702-203 | Green  | Non-Polarized | 525                | 14              | 15                          | 1650                   |
| 586-2703-203 | Yellow | Non-Polarized | 592                | 14              | 15                          | 1275                   |
| 586-2705-203 | Blue   | Non-Polarized | 470                | 14              | 15                          | 487                    |
| 586-2706-203 | White  | Non-Polarized | *                  | 14              | 15                          | 825                    |
| 586-2701-205 | Red    | Non-Polarized | 630                | 28              | 7.5                         | 525                    |
| 586-2702-205 | Green  | Non-Polarized | 525                | 28              | 7.5                         | 825                    |
| 586-2703-205 | Yellow | Non-Polarized | 592                | 28              | 7.5                         | 637                    |
| 586-2705-205 | Blue   | Non-Polarized | 470                | 28              | 7.5                         | 243                    |
| 586-2706-205 | White  | Non-Polarized | *                  | 28              | 7.5                         | 412                    |

\* Color Coordinates: x = 0.330, y = 0.365

## 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.

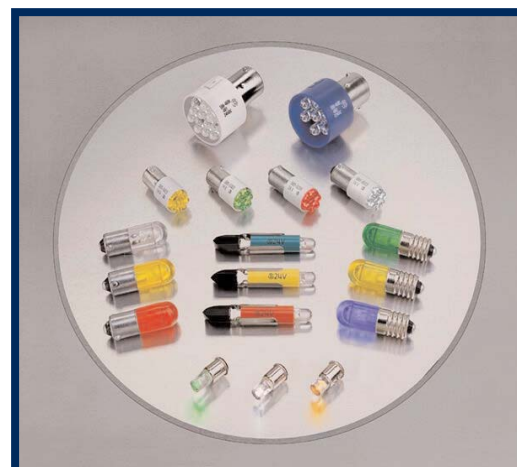
The following styles are currently available in red, green, amber, blue and white:

- ▲ T 1 3/4 Midget Flange
- ▲ T 1 3/4 Bi-Pin
- ▲ T 2 Telephone Slide
- ▲ T 3 1/4 Miniature Bayonet (BA9s)
- ▲ T 3 1/4 Miniature Screw (E10)
- ▲ 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)



**586 Series Based LED**



A4703



ISO 9001

Dialight Corporation

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