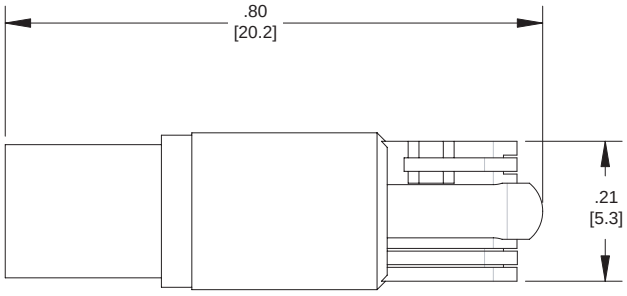
586 Series
SINGLE CHIP BASED LED
T1 3/4 WEDGE (T5)

FEATURES / BENEFITS

- ▲ High brightness with low current draw - uses up to 90% less energy than incandescent
- ▲ Long Life - up to 100K hours
- ▲ No heat generated
- ▲ Mounts directly into industry standard socket
- ▲ Resistant to shock and vibration
- ▲ Incorporating AlInGaP and InGaN technology
- ▲ Wide 100 degree viewing angle
- ▲ 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, 14 and 28 VDC
- ▲ Operating temperature: -40ºC to +80ºC
- ▲ Storage temperature: -40ºC to +100ºC
- ▲ 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.

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Dialight

586 Series
SINGLE CHIP BASED LED
T1 3/4 WEDGE (T5)

T1 3/4 WEDGE (T5) NON-POLARIZED

Part Number	Color	Dominant Wavelength (TYP- nm)	Nominal Voltage (VDC)	Forward Current TYP-(mA)	Intensity TYP.-(mcd)
586-1A01-101	Red	630	6	16	775
586-1A02-101	Green	526	6	16	600
586-1A03-101	Yellow	592	6	16	775
586-1A04-101	Orange	615	6	16	775
586-1A05-101	Blue	472	6	16	165
586-1A06-101	White	*	6	16	460
586-1A01-103	Red	630	14	16	775
586-1A02-103	Green	526	14	16	600
586-1A03-103	Yellow	592	14	16	775
586-1A04-103	Orange	615	14	16	775
586-1A05-103	Blue	472	14	16	165
586-1A06-103	White	*	14	16	460
586-1A01-105	Red	630	28	16	775
586-1A02-105	Green	526	28	16	600
586-1A03-105	Yellow	592	28	16	775
586-1A04-105	Orange	615	28	16	775
586-1A05-105	Blue	472	28	16	165
586-1A06-105	White	*	28	16	460

*** Color Coordinates: x = 0.32, y = 0.32**

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

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ENERGY STAR PARTNER

A4703 UL REGISTERED FIRM ISO 9001
Dialight Corporation

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