

Dialight

586 VIP Series

Variable Input 6-36 Volts DC

Single Chip BASED LED

T 3 1/4 MINIATURE BAYONET BASE (BA9S)

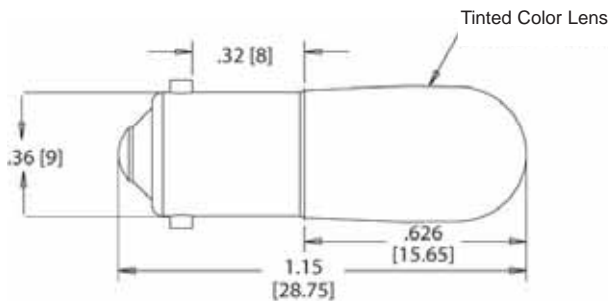


FEATURES / BENEFITS

- ▲ Unique VIP technology provides 6-36 VDC operation
- ▲ High brightness with low current draw - uses up to 90% less energy than incandescent
- ▲ Long life - up to 100K hours
- ▲ True non-polarized configuration
- ▲ No heat generated
- ▲ Mounts directly into industry-standard socket
- ▲ Resistant to shock and vibration
- ▲ AllInGaP 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 Voltage: 6-36 VDC
- ▲ Operating temperature: -30°C to +85°C
- ▲ Storage temperature: -40°C to +100°C
- ▲ Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893 and 1895*

* See Dialight's Incandescent lamp/based LED cross reference 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.
- ▲ For 120 VAC products please see our Cluster lamp.
- ▲ 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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T 3 1/4 MINIATURE BAYONET (BA9S) MULTI-VOLTAGE INPUT

Part Number	Color	Dominant Wavelength (nm)	Nominal Voltage (VDC)	Forward Current TYP. (mA)	Intensity TYP. (mcd)
586-2401-220	Red	630	6-36	10	1000
586-2402-220	Green	525	6-36	10	1500
586-2403-220	Yellow	592	6-36	10	550
586-2405-220	Blue	470	6-36	10	200
586-2406-220	White	*	6-36	10	650

* 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, yellow, blue and white:

- ▲ T 1 3/4 Midget Flange
- ▲ T 1 3/4 Bi-Pin
- ▲ T 1 3/4 Wedge (T5)
- ▲ T 2 Telephone Slide
- ▲ T 3 1/4 Miniature Bayonet (BA9S)
- ▲ T 3 1/4 Miniature Screw (E10)
- ▲ T 3 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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