Dialight

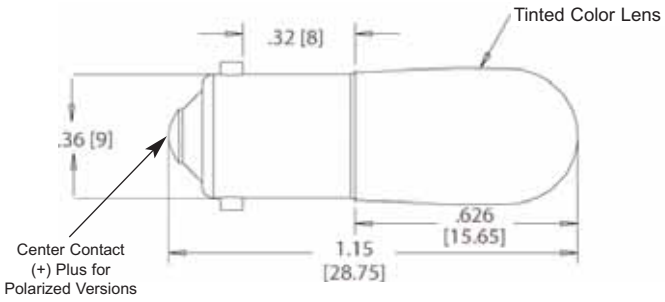
586 Series
Single Chip BASED LED
T 3 1/4 MINIATURE BAYONET (BA9s)

FEATURES / BENEFITS

- RoHS Compliant
- High brightness with low current draw - uses up to 90% less energy than incandescent
- Long life - up to 100K hours
- True non-polarized configurations available
- No heat generated
- Mounts directly into industry-standard socket
- Resistant to shock and vibration
- AlInGaP and InGaN technology
- Super bright single chip design
- 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
- Polarized and non-polarized available
- Operating temperature: -30ºC to +85ºC
- Storage temperature: -40ºC to +100ºC
- 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.
- If you are unfamiliar with the the polarity of the circuit, Dialight recommends using a non-polarized version.
- 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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T 3 1/4 MINIATURE BAYONET (BA9s) POLARIZED

PART NUMBER	COLOR	PEAK WAVELENGTH (nm)	VOLTAGE (VDC)	CURRENT TYP.-(mA)	INTENSITY TYP.-(mcd)	RoHS COMPLIANT
586-2401-101F	Red	630	6	15	1050	✔
586-2402-101F	Green	525	6	15	1650	✔
586-2403-101F	Yellow	592	6	15	1275	✔
586-2405-101F	Blue	470	6	15	487	✔
586-2406-101F	White	*	6	15	825	✔
586-2401-103F	Red	630	14	15	1050	✔
586-2402-103F	Green	525	14	15	1650	✔
586-2403-103F	Yellow	592	14	15	1275	✔
586-2405-103F	Blue	470	14	15	487	✔
586-2406-103F	White	*	14	15	825	✔
586-2401-105F	Red	630	28	15	1050	✔
586-2402-105F	Green	525	28	15	1650	✔
586-2403-105F	Yellow	592	28	15	1275	✔
586-2405-105F	Blue	470	28	15	487	✔
586-2406-105F	White	*	28	15	825	✔

*Color Coordinates: x = 0.330, y = 0.365

T 3 1/4 MINIATURE BAYONET (BA9s) NON-POLARIZED

PART NUMBER	COLOR	PEAK WAVELENGTH (nm)	VOLTAGE (VDC)	CURRENT TYP.-(mA)	INTENSITY TYP.-(mcd)	RoHS COMPLIANT
586-2401-201F	Red	630	6	15	1050	✔
586-2402-201F	Green	525	6	15	1650	✔
586-2403-201F	Yellow	592	6	15	1275	✔
586-2405-201F	Blue	470	6	15	487	✔
586-2406-201F	White	*	6	15	825	✔
586-2401-203F	Red	630	14	15	1050	✔
586-2402-203F	Green	525	14	15	1650	✔
586-2403-203F	Yellow	592	14	15	1275	✔
586-2405-203F	Blue	470	14	15	487	✔
586-2406-203F	White	*	14	15	825	✔
586-2401-205F	Red	630	28	7.5	525	✔
586-2402-205F	Green	525	28	7.5	825	✔
586-2403-205F	Yellow	592	28	7.5	637	✔
586-2405-205F	Blue	470	28	7.5	243	✔
586-2406-205F	White	*	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, 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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ENERGY STAR PARTNER

A4703 UL REGISTERED FIRM ISO 9001 Dialight Corporation

RoHS COMPLIANT

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