Dialight

586 Series - Sunlight Readable CLUSTER BASED LED

T3 1/4 Miniature Bayonet (BA9s)

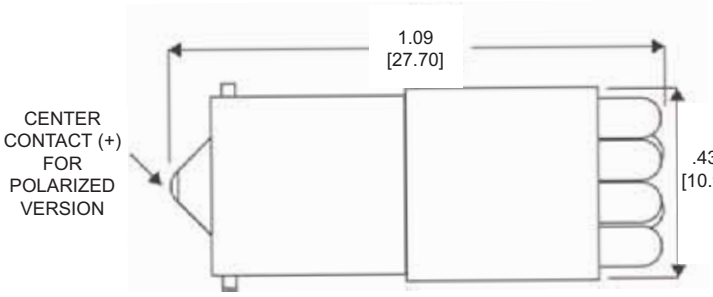


FEATURES / BENEFITS

- RoHS Compliant
- High brightness with low current draw - uses up to 90% less energy than an 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
- Incorporating AlInGaP or InGaN technology
- Super bright LED cluster design
- Available in 6, 14, and 28 VDC, 120 VAC
- Colors include Red, Green, Yellow, Blue, 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, 28 VDC, 120 VAC
- 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 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.

ENERGY STAR PARTNER

A4703 UL REGISTERED FIRM ISO 9001 Dialight Corporation

RoHS COMPLIANT

Dialight Corporation

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CLUSTER BASED LED
T3 1/4 Miniature Bayonet (BA9s)

POLARIZED

Part Number	Color	Peak Wavelength (nm)	Nominal Voltage (VDC)	Forward Current TYP.-(mA)	Intensity TYP.-(mcd)	RoHS Compliant
586-6401-101F	Red	630	6	100	1000	✔
586-6402-101F	Green	526	6	90	3800	✔
586-6403-101F	Yellow	592	6	100	2000	✔
586-6405-101F	Blue	472	6	90	850	✔
586-6406-101F	White	*	6	90	4800	✔
586-6401-103F	Red	630	14	50	1000	✔
586-6402-103F	Green	526	14	40	3100	✔
586-6403-103F	Yellow	592	14	50	2000	✔
586-6405-103F	Blue	472	14	40	685	✔
586-6406-103F	White	*	14	40	4800	✔
586-6401-105F	Red	630	28	17	1000	✔
586-6402-105F	Green	526	28	13	3600	✔
586-6403-105F	Yellow	592	28	17	2000	✔
586-6405-105F	Blue	472	28	13	780	✔
586-6406-105F	White	*	28	13	4200	✔

NON-POLARIZED

Part Number	Color	Peak Wavelength (nm)	Nominal Voltage	Forward Current TYP.-(mA)	Intensity TYP.-(mcd)	RoHS Compliant
586-6401-201F	Red	630	6 VDC	100	1000	✔
586-6402-201F	Green	526	6 VDC	70	3400	✔
586-6403-201F	Yellow	592	6 VDC	100	2000	✔
586-6405-201F	Blue	472	6 VDC	70	685	✔
586-6406-201F	White	*	6 VDC	70	4000	✔
586-6401-203F	Red	630	14 VDC	50	1000	✔
586-6402-203F	Green	526	14 VDC	40	3400	✔
586-6403-203F	Yellow	592	14 VDC	50	2000	✔
586-6405-203F	Blue	472	14 VDC	40	685	✔
586-6406-203F	White	*	14 VDC	40	4000	✔
586-6401-205F	Red	630	28 VDC	18	1000	✔
586-6402-205F	Green	526	28 VDC	11	3400	✔
586-6403-205F	Yellow	592	28 VDC	18	2000	✔
586-6405-205F	Blue	472	28 VDC	11	685	✔
586-6406-205F	White	*	28 VDC	11	4000	✔
586-6401-206F	Red	630	120 VAC	9	500	✔
586-6402-206F	Green	526	120 VAC	9	2400	✔
586-6403-206F	Yellow	592	120 VAC	9	1000	✔
586-6405-206F	Blue	472	120 VAC	9	565	✔
586-6406-206F	White	*	120 VAC	9	3000	✔

* Color coordinates (X = 0.296 Y = 0.276)

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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