Dialight

Part Number: **5855556**

General Description

Color	Ultra Yellow
Series	585
Configuration	T 3 1/4
Description	Yellow Cluster Based LED, T 3 1/4 Mini Bayonet (BA9s)
LED Type	Super Bright Cluster Based LED
Terminal Lamp Type	Miniature Bayonet
Polarity	Non-Polarized
Luminous Intensity Typical	945
Forward Current mA	9 mA
Nominal Voltage	120 VAC
Operating Temperature	-30 +85
Storage Temperature	-40 +100

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

FEATURES / BENEFITS

▲ 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

▲ Super bright LED cluster design

▲ Available in 6, 14, and 28 VDC, 120 VAC

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

CENTER CONTACT (+)

1.09 [27.70]

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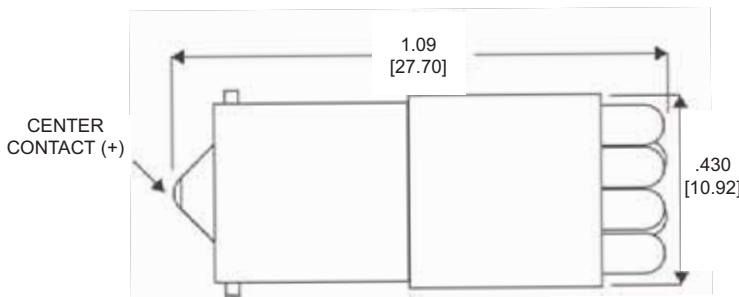
Measurements are typical
Dimensions are inches [mm]

▲ 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.

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A4703 UL REGISTERED FIRM ISO 9001
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POLARIZED

Part Number	Color	Peak Wavelength (nm)	Nominal Voltage (VDC)	Forward Current TYP.-(mA)	Intensity TYP.-(mcd)
585-5211	Red	660	6	60	480
585-5311	Green	565	6	60	420
585-5511	Yellow	592	6	90	1800
585-5213	Red	660	14	40	480
585-5313	Green	565	14	40	420
585-5513	Yellow	592	14	60	1800
585-5215	Red	660	28	20	560
585-5315	Green	565	28	20	490
585-5515	Yellow	592	28	30	2100

NON-POLARIZED

Part Number	Color	Peak Wavelength (nm)	Nominal Voltage (VDC)	Forward Current TYP.-(mA)	Intensity TYP.-(mcd)
585-5223	Red	660	14	40	480
585-5323	Green	565	14	40	420
585-5523	Yellow	592	14	60	1800
585-5225	Red	660	28	20	560
585-5325	Green	565	28	20	490
585-5525	Yellow	592	28	30	2100
585-5256	Red	660	120 VAC	9	252
585-5356	Green	565	120 VAC	9	220
585-5556	Yellow	592	120 VAC	9	945

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)

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