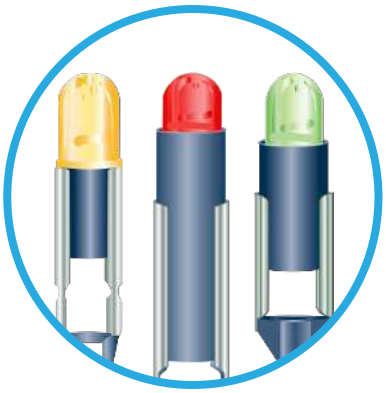
T-2 Slide Based LED Replacement Lamp



Direct incandescent replacement LED replacement lamp that delivers reliable, long life and preferable indication. The T-2 slide based LED is perfect for industrial indicator lights and function as an LED pilot light bulb.

Key Features

- T-2 Slide based lamp (light bulb)
- Voltage: 2-60 VDC or 120VAC
- Base: ANSI No.2, ANSI No. 5, T5.5
- Available in six LED single colors: red, amber, green, orange, blue, white
- Available in one bi-color: red/green
- Low power consumption - uses up to 90% less energy than an incandescent lamp
- Single chip based LED
- Direct incandescent replacement
- Available with built-in diffuser for wide angle viewing
- Mounts directly into industry standard socket
- Operation temperature: -30C to +60C
- Storage temperature: -40C to +100C
- Low heat generation, LEDs operate significantly cooler than traditional lamps
- Designed for quick installation and reduces overall cost due to less-frequent replacements
- Reliable, fast on/off cycling, shock resistance and long operating life
- Compliant with RoHS and REACH

1 Model

2SB	ANSI No. 2
5SB	ANSI No. 5
55SB	T5.5

TO ORDER, FOLLOW THE EXAMPLE:

Select one **BOLD** component from each SHADED column in the tables below.

1 Model	2 LED	3 Voltage
2SB	-BCG	12H

➜Part Number **2SB-BCG12H**

2 MEDIUM INTENSITY - TINTED ENCAPSULATION

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]
-BCR	RED	635	120	35	I
-BCA	AMB	583	100	35	I
-BCG	GRN	565	80	24	I

HIGH INTENSITY - WATERCLEAR ENCAPSULATION

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]
-NWR	RED	634	2800	30	I
-NWO	ORG	605	2000	30	I
-NWA	AMB	592	2800	30	I
-NWG	GRN	520	2400	45	II
-NWB	BLU	465	700	45	II
-NWW	CWHT		2500	50	II
-NWL	WWHT		1800	50	II
-NKR	RED	634	3600	15	I
-NKO	ORG	605	8000	15	I
-NKA	AMB	592	3600	15	I
-NKG	GRN	520	10000	15	II
-NKB	BLU	465	3000	15	II
-NKW	CWHT		9200	20	II
-NKL	WWHT		9200	15	II

WIDE ANGLE/FLAT-TOPPED-WATERCLEAR ENCAPSULATION

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]
-NFR	RED	634	780	75	I
-NFA	AMB	592	600	75	I
-NFG	GRN	520	780	75	II
-NFB	BLU	465	168	75	II
-NFW	CWHT		280	75	II

SPECIALTY LEDs

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]	Description
-RLP[5]	RED	635	2.3	50	[2]	Low Power
-ALP[5]	AMB	583	2.1	50	[2]	Low Power
-GLP[5]	GRN	565	2.3	50	[2]	Low Power
-LRG	RED/GRN	660/565	90/40	60	I	Bi-Color

Voltage/Current

Design Vf/If	Max Vf/If
V/C Table I	
5V/22mA	5.5V/28mA
6V/21mA	7V/27mA
12V/20mA	14V/25mA
15V/24mA	16.5V/28mA
24V/17mA	26V/20mA
28V/16.5mA	30V/18mA
48V/15mA	50V/16mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

Voltage/Current

Design Vf/If	Max Vf/If
V/C Table II	
5V/15mA	5.5V/23mA
6V/15mA	7V/25mA
12V/15mA	14V/20mA
15V/15mA	16.5V/18mA
24V/15mA	26V/18mA
28V/15mA	30V/17mA
48V/9.5mA	50V/10mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

3 Voltage[3]

2
5H
6H
12H
15H
24H
28H
48H
60H
120[4]

[1] Iv = typical luminous intensity @ If = 20mA (Ta=25°C); Low Power LEDs @ If = 2mA.

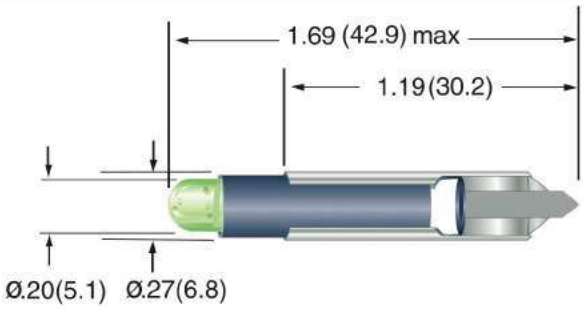
[2] See Voltage/Current table for design specifications. Design current for low power LEDs = 2mA.

[3] Ta = 25°C. Voltage "2" indicates external resistor required. Voltages 5H through 60H are VDC. For AC operation, insert D after the Voltage (e.g. 24HD). D indicates built-in rectifier: not required for 5H or 120VAC. 120VDC operation not available.

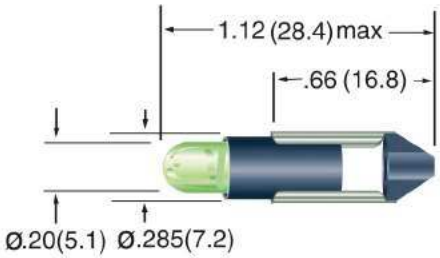
[4] Select high intensity LEDs only.

[5] Omit "H" Voltage designation (e.g. 2SB-RLP12).

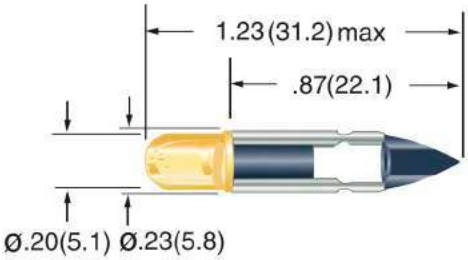
2SB



5SB



55SB

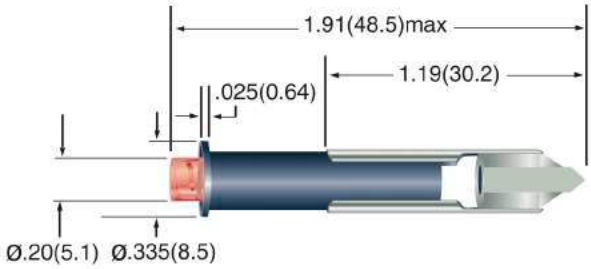


All dimensions are in inches (mm)

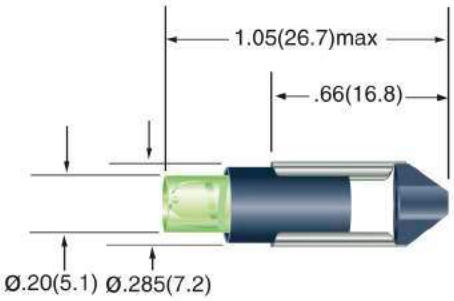
Tolerances: .xx"(.x) ±.025"(.63) / .xxx"(.xx)±.010"(.25)
Specifications are subject to change without notice.

Wide Angle LED Lamps

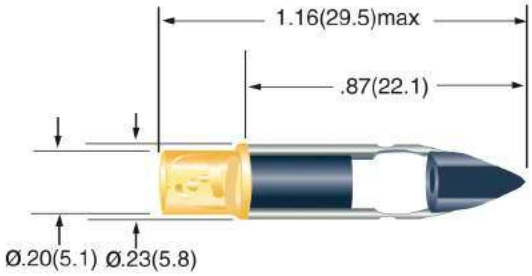
2SB, NFX Series (75°)



5SB, NFX Series (75°)



55SB, NFX Series (75°)



All dimensions are in inches (mm)

Tolerances: .xx"(.x) ±.025"(.63) / .xxx"(.xx)±.010"(.25)
Specifications are subject to change without notice.

Incandescent Lamp #	Design Voltage	Base Description	VCC Model #	Suggested VCC Part Number
24E	24	# 2 Slide Base	2SB	2SB-NFX24H
24X	24	# 2 Slide Base	2SB	2SB-NFX24H
48D	48	Slide Number 3	2SB	2SB-NFX48H
5ESB	5	Slide Number 5	5SB	5SB-NFX5H
6ESB	6	Slide Number 5	5SB	5SB-NFX6H
12PSB	12	Slide Number 5	5SB	5SB-NFX12H
24CSB	24	Slide Number 5	5SB	5SB-NFX24H
24ESB	24	Slide Number 5	5SB	5SB-NFX24H
24PSB	24	Slide Number 5	5SB	5SB-NFX24H
28ESB	28	Slide Number 5	5SB	5SB-NFX28H
28PSB	28	Slide Number 5	5SB	5SB-NFX28H
48ESB	48	Slide Number 5	5SB	5SB-NFX48H
48PSB	48	Slide Number 5	5SB	5SB-NFX48H
60PSB	60	Slide Number 5	5SB	5SB-NWX60H
120PSB	120VAC	Slide Number 5	5SB	5SB-NWX120