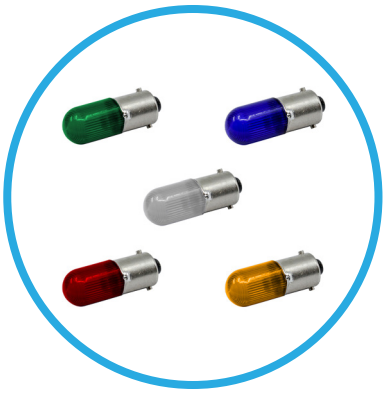
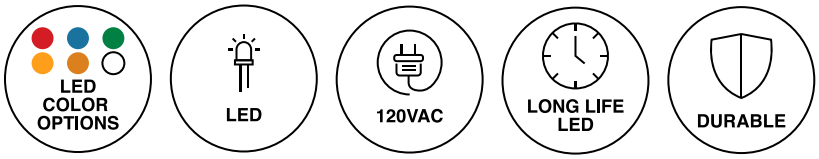
120MBL Series
T-3 1/4 Miniature
Bayonet Based Lamps



LED Lamp T-3 1/4 Bayonet 120VAC. Optional shunt resistor.
Available in colors red, amber, orange, green, blue, and white.



Applications

- Transportation
- Industrial Equipment
- Status indication
- Trucks
- General Purpose Lighting
- Automotive
- Safety and Emergency
- Industrial Control Systems
- Automation and Control

Key Features

- T-3 1/4 miniature LED lamp with lens
- Optional shunt resistor (120MBLS)
- High intensity LED with fresnel lens for improved visibility
- Voltage:120VAC
- Base: bayonet
- Available in five LED six colors: red, amber, orange, green, blue, white
- Shock and vibration resistant
- 100,000 hour life
- Mounts directly into industry standard sockets
- Direct incandescent replacement
- Low power consumption - uses up to 90% less energy than an incandescent lamp
- Low heat generation, LEDs operate significantly cooler than traditional lamps
- Designed for quick installation and reduces overall cost due to less-frequent replacements
- Fast on/off cycling, shock resistance, and long operating life
- Compliant with RoHS and REACH

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Ordering Data

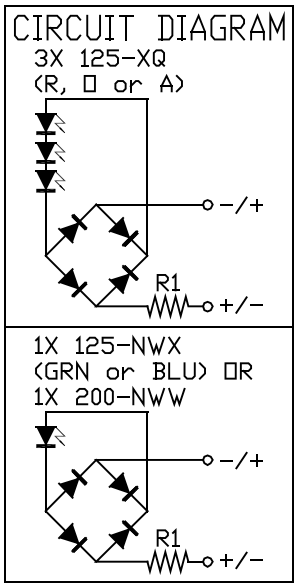
Series	Emmited Color
120MBL	-G-CG

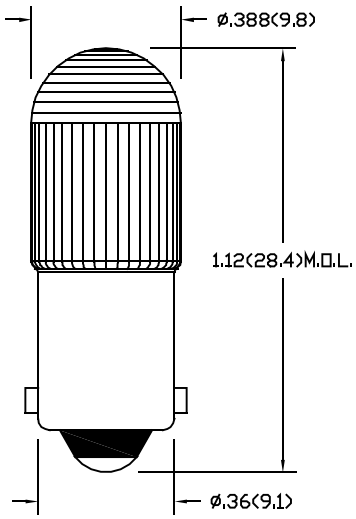
120MBLS	with shunt resistor

-G-CG	Green
-R-CR	Red
-W-CW	White
-A-CA	Amber*
-O-CA	Orange*
-B-CB	Blue*

*** Colors only avaliable for 120MBLS with shunt resistor**

Product Dimensions





Notes:
1. All dimensions are in inches (mm)

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Product Specifications

Electro-Optical Characteristics (Ta=25°C)

SYM	Parameter	LED Color						Unit
		Red	Orange	Amber	Green	Blue	White	
I_v	Typ. Luminous Intensity per LED @ If=120VAC	340	200	200	1000	300	1100	mcd
V_o	Operating Voltage	120	120	120	120	120	120	VAC
I_f	Typ. Forward Current @ Vf=120VAC	7.1	7.1	7.1	3.7	3.7	3.7	mA
I_{mx}	Max. Forward Current @ Vf=130VAC	8	8	8	4.2	4.2	4.2	mA
V_{br}	Reverse Breakdown @ Ir=100uA	-	-	-	-	-	-	V
λ_{pk}	Peak Wavelength	654	621	592	520	465	-	nm
λ_D	Dominant Wavelength	644	615	590	525	470	-	nm

Absolute Maximum Ratings (Ta=25°C)

Parameter	Value						Unit
	Red	Orange	Amber	Green	Blue	White	
Power Dissipation	1040	1040	1040	546	546	546	mW
Derate/˚C > Ta	15.6	15.6	15.6	8.2	8.2	8.2	mW
Operating Voltage	130	130	130	130	130	130	VAC
Operating Temperature	-55<+100	-55<+100	-55<+100	-20<+80	-20<+80	-30<+80	˚C
Storage Temperature	-55<+100	-55<+100	-55<+100	-30<+100	-30<+100	-40<+100	˚C

Compliances and Approvals

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