

# T3¼ MINIATURE BAYONET BASE LED LAMP

## AC/DC BI-POLAR OPERATION

### WITH FULL WAVE RECTIFIER

PART NO.	COLOR	VOLTAGE	CURRENT	LUMI. INTENSITY	DOMINANT
		V <sub>OP</sub> [V] AC/DC	I <sub>OP typ.</sub> [mA] AC/DC	LED I <sub>V typ.</sub> [mcd]	WAVELENGTH λ <sub>D</sub> [nm] / CCT [K]
WL-1860M15UR	RED	6V	20	150	630
WL-1860M15UG	GREEN	6V	20	350	525
WL-1860M15UY	YELLOW	6V	20	320	590
WL-1860M15UB	BLUE	6V	20	280	470
WL-1860M15UW	WHITE	6V	20	700	6000K
WL-1860M25UR	RED	12V	15	230	630
WL-1860M25UG	GREEN	12V	15	750	525
WL-1860M25UY	YELLOW	12V	15	450	590
WL-1860M25UB	BLUE	12V	15	320	470
WL-1860M25UW	WHITE	12V	15	800	6000K
WL-1860M35UR	RED	24V	15	230	630
WL-1860M35UG	GREEN	24V	15	860	525
WL-1860M35UY	YELLOW	24V	15	450	590
WL-1860M35UB	BLUE	24V	15	400	470
WL-1860M35UW	WHITE	24V	15	1000	6000K
WL-1860M45UR	RED	28V	15	230	630
WL-1860M45UG	GREEN	28V	15	860	525
WL-1860M45UY	YELLOW	28V	15	450	590
WL-1860M45UB	BLUE	28V	15	400	470
WL-1860M45UW	WHITE	28V	15	1000	6000K

## NOTES

- Storage temperature  
T<sub>STG</sub>: -20°C – +80°C
- Ambient temperature  
T<sub>A</sub>: -10°C – +50°C
- AC/DC operation
- Voltage tolerance  
V<sub>OP</sub>: ±10%
- Electro-optical ratings at  
T<sub>A</sub>=25°C
- These Wamco LED lamps include a full wave rectifier and can be used on DC and AC operation
- Bi-polar construction allows for use in sockets with positive or negative primary contact
- 120° wide beam angle is ideal for switch and panel lighting applications
- Due to production tolerances, slight color variations may be detected within individual consignments
- Industry standard BA9s base

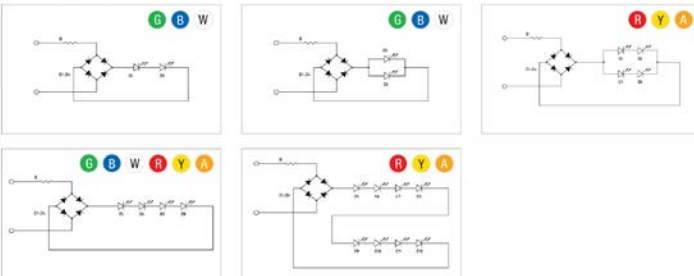
## CERTIFICATIONS

**RoHS**  
COMPLIANT

\*Chromaticity coordinates X=0.31 Y=0.32

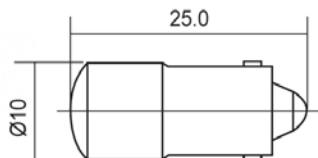
\*\* Luminous intensity data of the used LEDs at: I<sub>OP</sub> DC

### Circuit Diagram



## DIMENSIONAL CHARACTERISTICS

unless otherwise specified, all dimensions are in mm



## OPTIONS

Additional options and lens styles available. Please contact Wamco for more information.



**wamco**  
LIGHTING

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## AC/DC BI-POLAR OPERATION

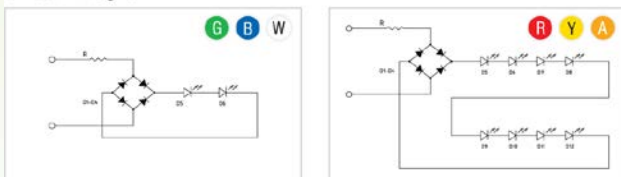
### WITH FULL WAVE RECTIFIER

PART NO.	COLOR	VOLTAGE	CURRENT	LUMI. INTENSITY	DOMINANT
		V <sub>OP</sub> [V] AC/DC*	I <sub>OP typ.</sub> [mA] AC/DC*	LED I <sub>V typ.</sub> [mcd]	WAVELENGTH λ <sub>D</sub> [nm] / CCT [K]
WL-1860M48UR	RED	48V	8	240	630
WL-1860M48UG	GREEN	48V	8	300	525
WL-1860M48UY	YELLOW	48V	8	350	590
WL-1860M48UB	BLUE	48V	8	150	470
WL-1860M48UW	WHITE	48V	8	400	6000K
WL-1860M60UR	RED	60V	7	200	630
WL-1860M60UG	GREEN	60V	7	270	525
WL-1860M60UY	YELLOW	60V	7	300	590
WL-1860M60UB	BLUE	60V	7	120	470
WL-1860M60UW	WHITE	60V	7	350	6000K
WL-1860M13UR	RED	130V	6	150	630
WL-1860M13UG	GREEN	130V	6	240	525
WL-1860M13UY	YELLOW	130V	6	250	590
WL-1860M13UB	BLUE	130V	6	100	470
WL-1860M13UW	WHITE	130V	6	320	6000K
WL-1860M23UR	RED	230V	5	100	630
WL-1860M23UG	GREEN	230V	5	240	525
WL-1860M23UY	YELLOW	230V	5	200	590
WL-1860M23UB	BLUE	230V	5	80	470
WL-1860M23UW	WHITE	230V	5	280	6000K

\*Chromaticity coordinates X=0.31 Y=0.32

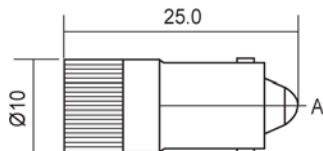
\*\* Luminous intensity data of the used LEDs at: I<sub>OP</sub> DC

#### Circuit Diagram



## DIMENSIONAL CHARACTERISTICS

unless otherwise specified, all dimensions are in mm



## OPTIONS

Additional options and lens styles available. Please contact Wamco for more information.

## NOTES

- Storage temperature  
T<sub>STG</sub>: -20°C – +80°C
- Ambient temperature  
T<sub>A</sub>: -10°C – +50°C
- AC/DC operation
- \*230V (all colors) is AC operation only
- Voltage tolerance  
V<sub>OP</sub>: ±10%
- Electro-optical ratings at  
T<sub>A</sub>=25°C
- These Wamco LED lamps include a full wave rectifier and can be used on DC and AC operation
- Bi-polar construction allows for use in sockets with positive or negative primary contact
- 120° wide beam angle is ideal for switch and panel lighting applications
- Due to production tolerances, slight color variations may be detected within individual consignments
- Industry standard BA9s base

## CERTIFICATIONS

**RoHS**  
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**wamco**  
LIGHTING

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WL-1860MxxUx Series Rev 1