

Common Problems with Standard Lamps

• Short Life • High Labor Costs • Wastes Energy • Uneven Beam • Poor Quality

# MAINTENANCE ENGINEERING'S



# LAZR BEAM™ TRAFFIC SIGNAL LAMPS

15 MONTH GUARANTEE



TOP VIEW



C-11 V MOUNT  
FOR EVEN  
BEAM

17,000 HOUR FILAMENT

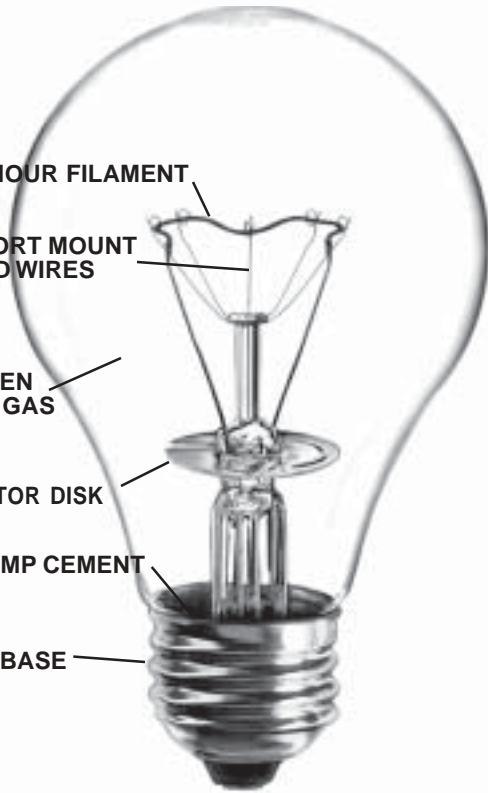
5 SUPPORT MOUNT  
+ 2 LEAD WIRES

NITROGEN  
ARGON GAS

REFLECTOR DISK

HIGH TEMP CEMENT

BRASS BASE



## SOLVES THESE PROBLEMS

### • LONG LIFE DESIGN

- 17,000 hours at 120 volts
- 5 support C-11V filament mount - resists shock
- Flex coil filament - resists vibration

### • REDUCED LABOR COSTS

- Outlasts short life lamps over 2 to 1
- Extends time between relamping
- Minimizes premature burnouts

### • ENERGY SAVING MULTI-WATT® FILAMENT

- Cuts energy usage by 6%
- Cooler operation than full wattage
- Reduced heat - extends lamp life

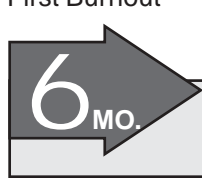
### • LAZR BEAM DESIGN

- Polished disk - reflects heat and light out of fixture
- 5 support C-11V filament mount - brightens center of beam
- Even light distribution for fresnel lens

### • PREMIUM QUALITY COMPONENTS

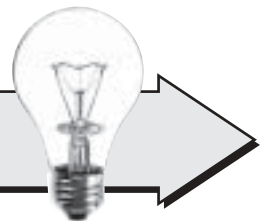
- Brass base - resists corrosion
- High temperature base cement
- Nitrogen/Argon gas fill - extends life

**Standard  
Lamp**  
First Burnout



**M.E. GUARANTEES**

**15**  
MONTHS

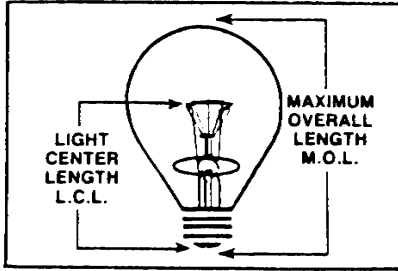


UNITED STATES 1-800-437-4794  
CANADA ..... 1-800-268-4749  
TORONTO ..... 1-416-675-1623

**M.E.-DTC**.com  
MAINTENANCE ENGINEERING, LTD

# TECHNICAL INFORMATION

## TRAFFIC SIGNAL LAMPS



**CERTIFICATION/PERFORMANCE**  
 Certification to I.T.E. Report 4R-S, effective 1980 by E.T.L. reports 520196 08/03/1992 and J97001446-001 03/10/1997.

### MULTI-WATT® 17,000HR LAZR BEAM™ SAVINGS:

<b>ENERGY SAVINGS\$</b>	REPLACE YOUR CURRENT ® and get these energy SAVINGS\$	40W \$5.10	60W \$6.80	69W \$6.80	91W \$8.50	100W \$10.20	116W \$11.90	135W \$13.60	150W \$15.30
<b>LABOR SAVINGS\$</b>	COST PER CHANGE SAVINGS\$ over life	\$10.00 \$10.00+	\$20.00 \$20.00+	\$30.00 \$30.00+	\$40.00 \$40.00+	\$50.00 \$50.00+			

\*ENERGY SAVED @ \$.10/KWH OVER LAMP LIFE      \*LABOR COMPARED TO 8000 HR AVERAGE LIFE LAMPS

### SPECIFICATIONS:

All Maintenance Engineering PREMIUM LIFE® LAZR BEAM™ traffic signal lamps are specified with the following components:

**Base:** Corrosion-resistant Brass medium edison base resists freezing in sockets.

**Base Cement:** High-temperature resistant, non-deteriorating cement resists thermal breakdown.

**Lead Wires:** Heavy Duty Pure Nickel with special Dumet sub-assembly at glass pinch for positive seal.

**Reflector Disc:** Specular aluminum disc for increased light punch and lower base temperature.

**Filament:** High-grade single coil AKS tungsten resists sagging and increases life. Design life 17,000 hour at 120v. Energy saving coil design uses 6% less power.

**Filament supports:** 7 supports (5 molybdenum hooks + 2 nickel leads) for positive support.  
 L.C.L. of 2-7/16" in 40, 60, 69, 91, and 100. L.C.L. of 3" in 116, 135, and 150w.

**Filament configuration:** C-11V design for increased light punch and vibration resistance.

**Gas Fill:** Ultra-pure Nitrogen/Argon mixture reduces blackening and suppresses coil arcing.

**Lamp Shell:** Clear, stress-relieved short-neck A21 shell increases surface area for increased heat dissipation and still fits in tight, enclosed traffic heads. M.O.L. 4-7/16 inches.

**Burn Position:** Horizontal to Base Down.

Lumen Output:	Lamp	Initial Design Lumens
	40w	305
	60w	550
	69w	660
	91w	995
	100w	1100
	116w	1270
	135w	1570
	150w	1750

**Quality control:** Inspected several times at the factory level, and again before distribution.

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To Order Call