



LEDSONLINECANADA



LEDSONLINE CANADA	Customer ID: W-02328	PI No.: TCR10151
Product Pictures leds lamp	Demos leds lamp	Replaced bulb lamp
		

Comparing led lamp with bulb lamp in the socket



Measure of led lamp at École Polytechnique of Montreal.

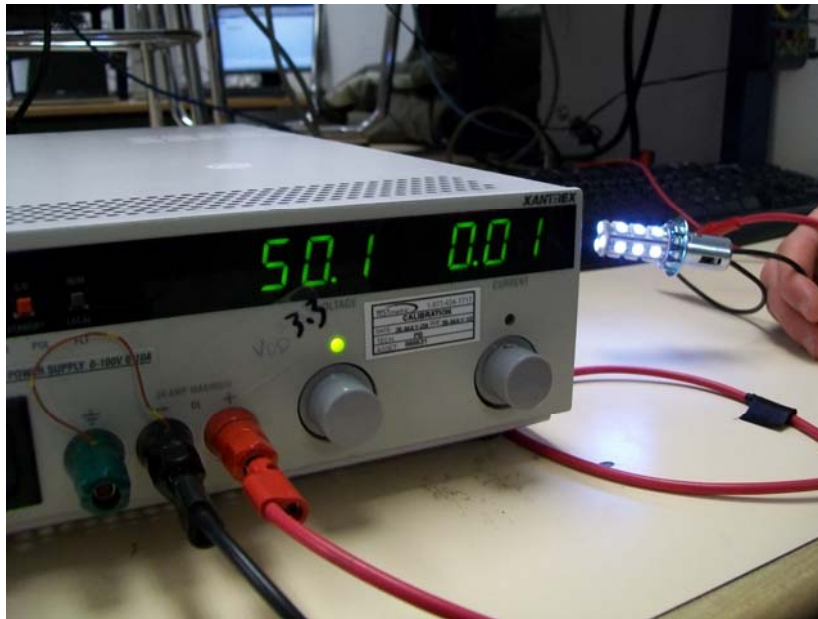
The technical specifications are:

Type of demo BA15d SMD 5050

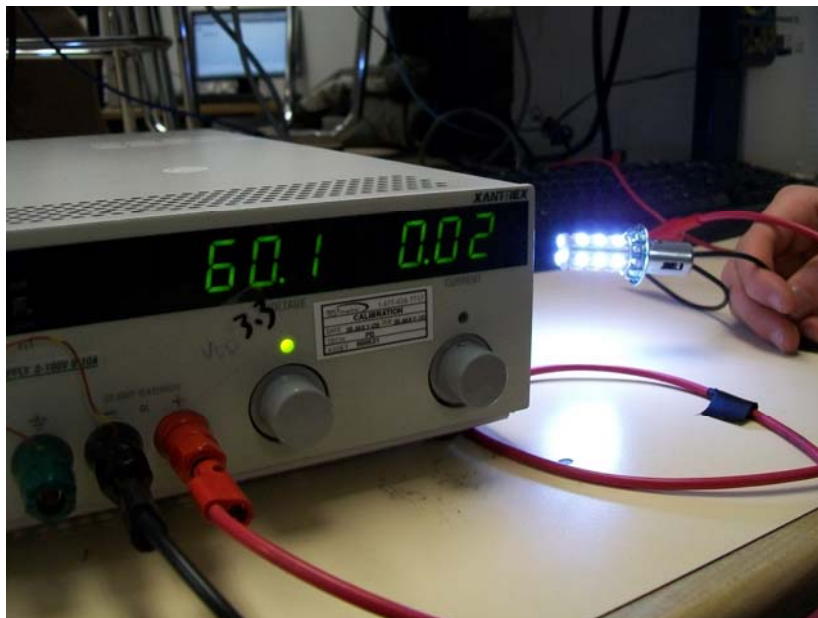
- 1) Nominal Tension: 72 or 75 VDC;
- 2) The product supports 50-85 VDC;
- 3) Maximum tension allowed: 90 VDC during 1 minute;
- 4) Over tension: 1.5 kVDC (1500 VDC) during 50 µsec (microsecond).
- 5) Dimension: diameter .85 inch (21.6mm) and length 2.3 inch (58.5mm).
It has Leds on all cylinder surfaces.
- 6) Socket: BA15D, two **round shape** bottom connector with different polarity, two side connector in same position.



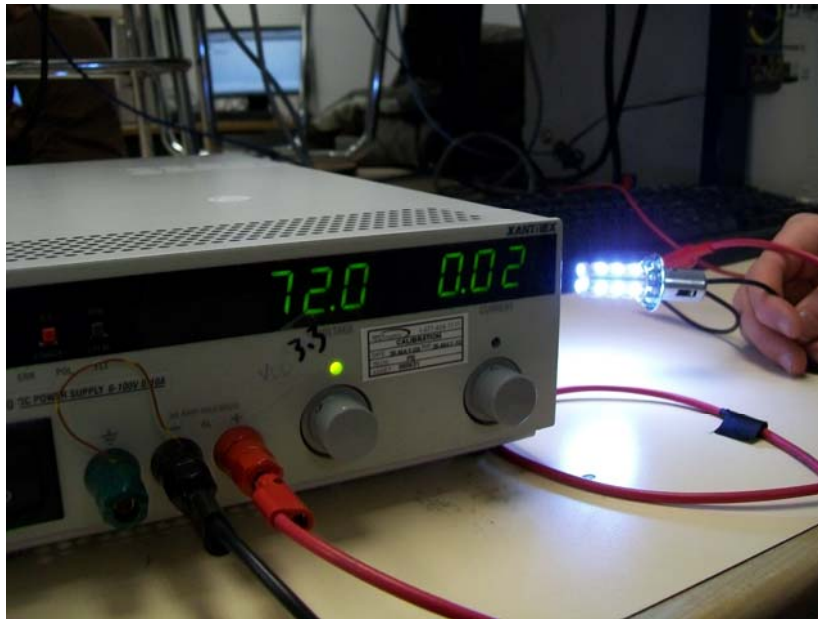
Power Supply Output 50 VDC 1,78 mA



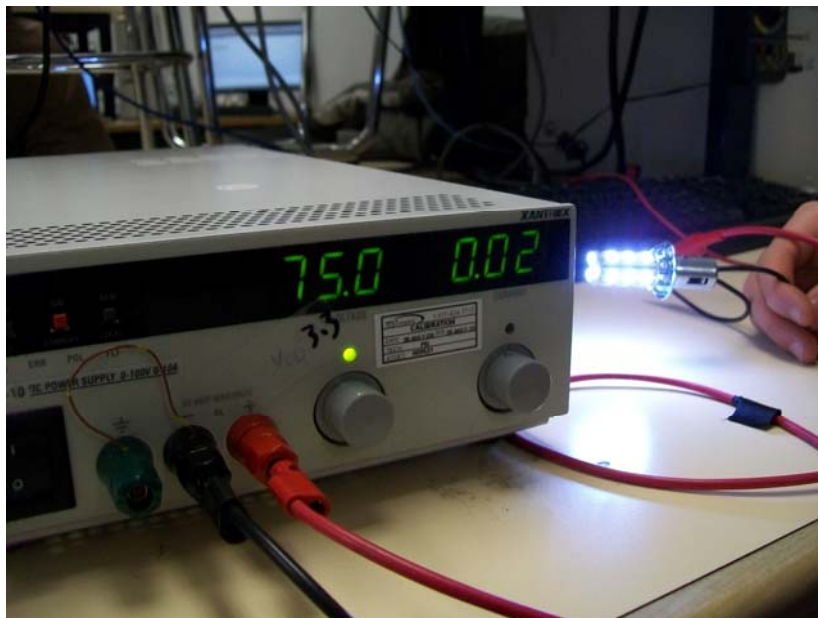
Power Supply Output 60 VDC 14,7 mA



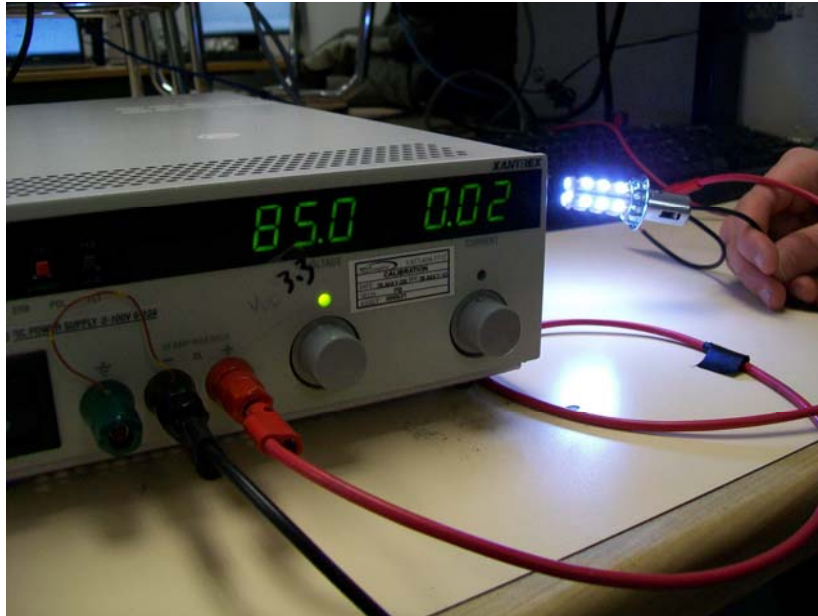
Power Supply Output 72 VDC 16,8 mA



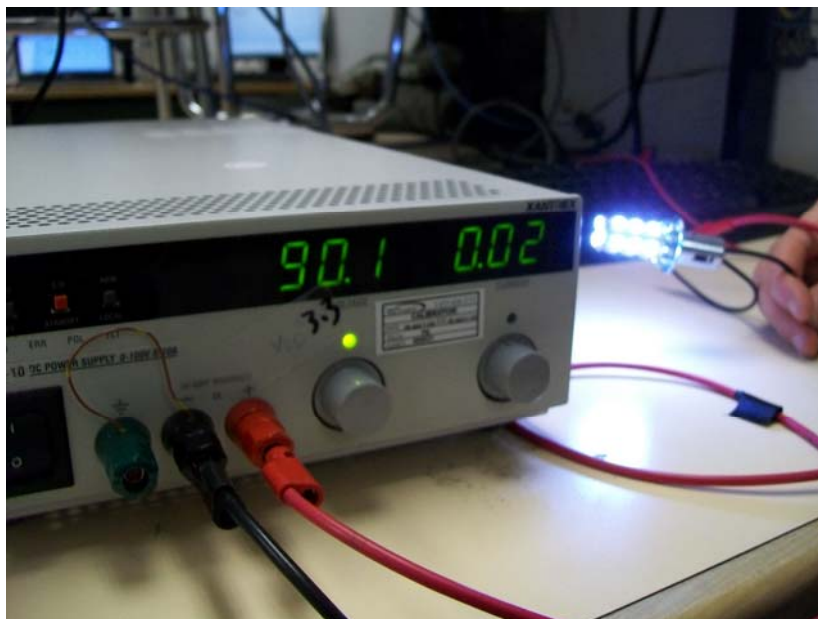
Power Supply Output 75 VDC 16,9 mA



Power Supply Output 85 VDC 17 mA

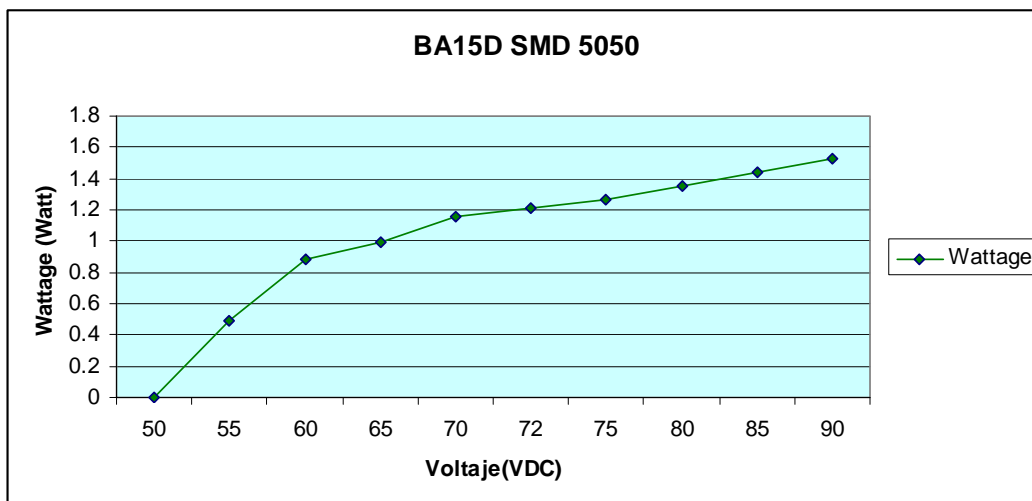
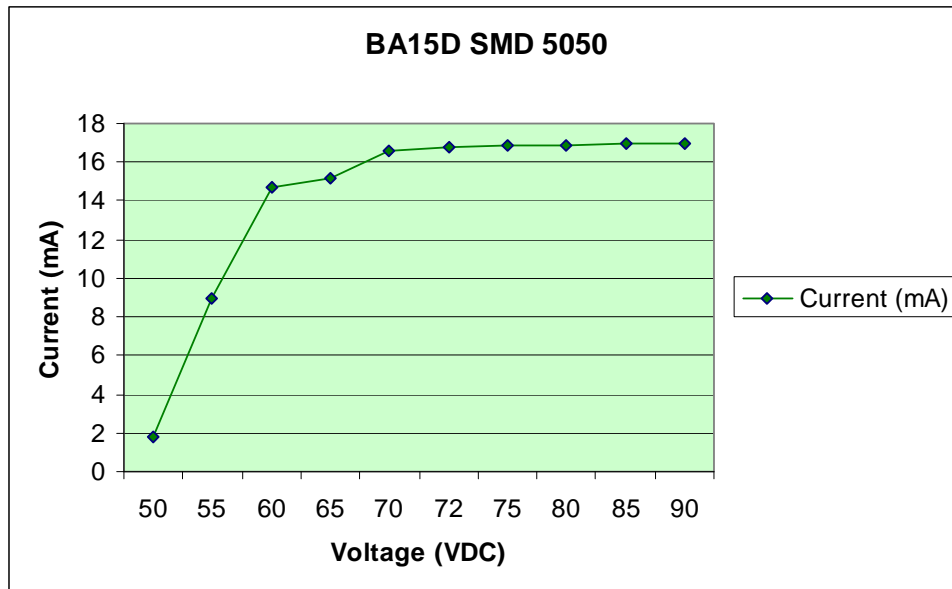


Power Supply Output 90 VDC 17 mA



Values obtained during the measurement at École Polytechnique of Montreal:

Voltage	Current	Wattage
50VDC	1.78mA	0,09W
55VDC	8.92mA	0.49W
60VDC	14.7mA	0.88W
65VDC	15.2mA	0.99W
70VDC	16.6mA	1.16W
72VDC	16.8mA	1.21W
75VDC	16.9mA	1.27W
80VDC	16.9mA	1.35W
85VDC	17.0mA	1.44W
90VDC	17.0mA	1.53W



Measures given by manufacturer these leds lamps.

Parameters of the train bulb samples are as follow:

Voltage	Brightness	Current	Wattage
90VDC	110LM	18.6MA	1.7W
70VDC	100LM	17.6MA	1.3W
60VDC	95LM	16MA	1W

Item: Led Train bulb

Voltage: 50-90VDC

Base: BA15D

Size: 19mm (diameter) x 52mm (length)

Brightness: 100 lumens

Color: 8000K



LedsOnlineCanada

1-4210 Jean-Rivard, Montreal, Quebec, Canada www.ledsonline.ca

E-mail: sales@ledsonline.ca Phone: 514-715-4843 Fax: 514-722-5174