



**DFROBOT**  
DRIVE THE FUTURE



## EL Wire - green yellow

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SKU:DFR0185-GY

### INTRODUCTION

Electroluminescent wire, otherwise known as EL Wire, is a thin phosphor coated wire in a tube that lights up when you apply a high AC voltage to it. EL Wire typically needs anywhere between 20Vac to 220Vac, at a very low current. We have 10 different colors of EL Wire to choose from.

### APPLICATIONS

- Indoor and outdoor advertisement, picture and logo, shop window, door, furniture, wall, roof, etc.
- Car, boat and other vehicles decoration: inside and outside decoration, number display.
- Safety sign and guidance: stair, passage, doorplate, temporary marks.
- Toy, art and handcraft, sport article, garment, electrical appliance

## SPECIFICATION

- Operating Voltage Range : 20~220V
- Optimum operating voltage : 120V
- Frequency range: 50-5000Hz
- Optimum working frequency :1500-2000Hz
- Direct capacitance : 6nf/m (20°C, RH< 80%)
- Glow Brightness : Voltage : 120V, Frequency : 200Hz~2000Hz : 30cd/m<sup>2</sup>~126 cd/m<sup>2</sup>
- Consumed Power : Voltage : 120V, Frequency : 200Hz~2000Hz : 108mw/m~1032mw/m
- Working Life : Voltage : 100V, Frequency : 400Hz, Normal Temperature and Humidity, Around 5000Hrs
- Continous Working Temperature/Relative Humidity : -10°C~+60°C ; RH< 90%
- Storage Temperature/ Relative Humidity : -10°C~+60°C ; RH< 65%
- Diameter: 3mm(0.12")
- Length: 1 meters(39.4")
- Colour:green yellow

## SHIPPING LIST

- 1 meters(39.4") EL Wire x1