

## Constant Voltage 12V LED

### Application

- > LED Module is designed for: SIGNATURE INDUSTRY usage
- > LED Module for sign letter lightbox



### Advantages:

- High grade of protection – IP 67
- Wide view angle
- Resistance to electrostatic discharges
- EU made product
- Quality in accordance to all EU standards and directives

### ADVANTAGES OF ELECTROSTART

- EU Based Company
- Long experience in the field of Lighting and components
- Experience with customers in more than 40 countries
- Excellent Customer Service
- Projects based on Customer needs
- Products manufactured in EU
- Warranty on most products 5 Years

### Electrical characteristics

Voltage	12VDC/1.08-1.50W
PCB type	CEM1 PCB
Cable Specifications	0.5mm <sup>2</sup> – 20AWG

### Protection

Ingress protection	IP67
Safety class	Class III
Recommended usage with Power Supply	Electrostart CV

### Warranty conditions

Warranty	5 Y
Operating temperature	-20° + 50°C

### Lighting characteristics

Luminous efficiency (standard series)	up to 100lm/W
Luminous efficiency (high lumen series)	up to 160lm/W
Color temperature (CCT)	2700K/3000K/ 4000K/6500K/10000K
LEDs	2835 – 0.5W – White (Samsung)
Color Options	Red/Blue/Green/Yellow/White

### Body characteristics

Body material	ABS - PC
Lenses material	PC
Viewing Angle	120°-160°
LED Quantity	3 Pcs
Max in Series	50 Pcs
Recommended Depth	5-25cm

### Standards

EN 55015: 2013+A1:2015
EN 61000-4-2:2009
IEC 60598-1:2020
EN IEC 60598-2-1:2021+ AMD11:2022

### Dimension

Dimension diagram - W x L x H – 15 x 66 x 10.5 mm

