

# SIGN MODULES

3x 2835 LED | 1.2W

Box & Letter Module

LL-SM-BL1.2-10K

**LINEAR LUX**  
LED LIGHTING SOLUTIONS

## Applications

- Sign and channel letter backlighting
- Outdoor lighting for advertising

## Features

- Diffused lens creates a wider viewing angle  
- ideal for SHALLOW light boxes
- High performance Samsung 2835 LEDs
- Efficient heat design, requires no heat-sink
- Safe low voltage
- Double sided tape and screw mounting


## Electrical Data

Voltage	12.0 VDC
Wattage per module	1.2 W
Current per module	10 mA / 12 V

## LED Data

LED type	2835
Manufacturer	Samsung
Quantity of chips per LED	1
Quantity of LEDs per module	3

## Photometric Data

Colour temperature	9,000 ~ 10,000°K
Colour rendering index Ra 	>80
Luminous flux per module	120 lm
Luminous efficacy	100 lm/W
Beam angle	160°
Dimmable	1 ~ 100%

## Construction / Protection Data

Package	ABS
Mounting	Fitted with double sided tape 3M Screw holes
IP rating	IP68
Operating temperature	-30 ~ +70 C°
Storage temperature	-40 ~ +75 C°

## Dimensions (module)

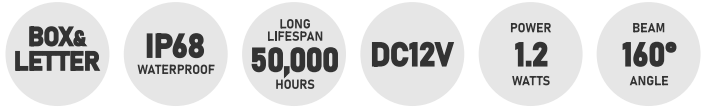
Length	66.0mm
Width	15.0mm
Height	11.0mm

## Dimensions (string)

Wire between modules	90.0 mm
Length	7.8 m (50 modules)

## Lifetime

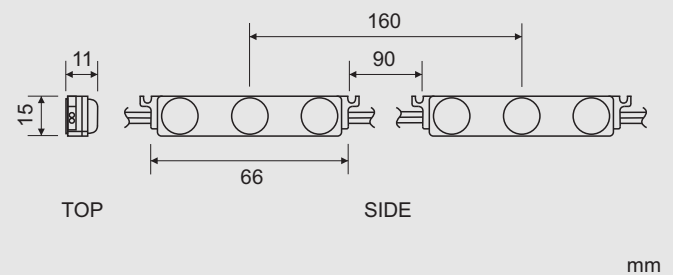
Lifespan (L70)	>50,000 hours
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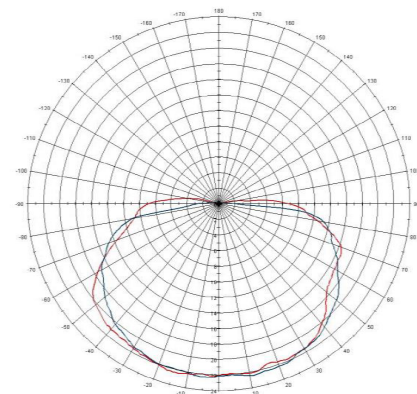
**ANX**  
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## Dimensions



## Light Distribution Diagram



Testing environment temperature = 25°C ±2.0°