

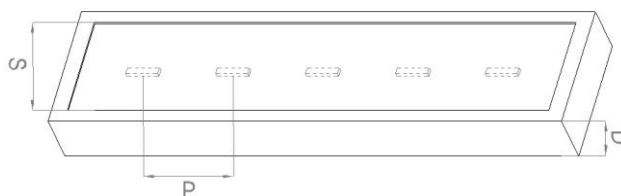


## Features

- Uniform Illumination
- 50lm
- 3years warranty

## Applications

- Created For Cabinet Signage
- Created For Giant Channel Letter



## •Giant Channel Letter

Depth (mm)	Distance (mm)	Density (pcs/m <sup>2</sup> )	Illumination (Lux)	Luminous Intensity (cd/m <sup>2</sup> )	Surface Brightness Difference	Uniform Light Rank
D=60	P=120,S=80	77	5800	1650	5%-10%	GOOD
D=80	P=140,S=100	54	4800	1370	5%-10%	GOOD
D=100	P=170,S=120	35	4000	1150	5%	Best

### ①Cabinet Signage&Giant Channel Letter

\*The quantity of led module for cabinet signage is 2 times more than giant channel letter

### ②Uniform Light Rank Standard& Surface Brightness Difference Standard

\*Best: The difference of area brightness is less 5%. Perfect uniform light. No lumen are wasted.

\*Good: he difference of area brightness is from 5%~10%. Good uniform light .Many lumen are wasted.

\*Ok: The difference of area brightness is from 10%~20%. feel light shadow on far edge of light but ok.

### ③Test Condition

\*3mm Depth Mitsubishi White Acrylic. Other face materials may vary light uniformity and brightness. \*The color temperature is 6500K.

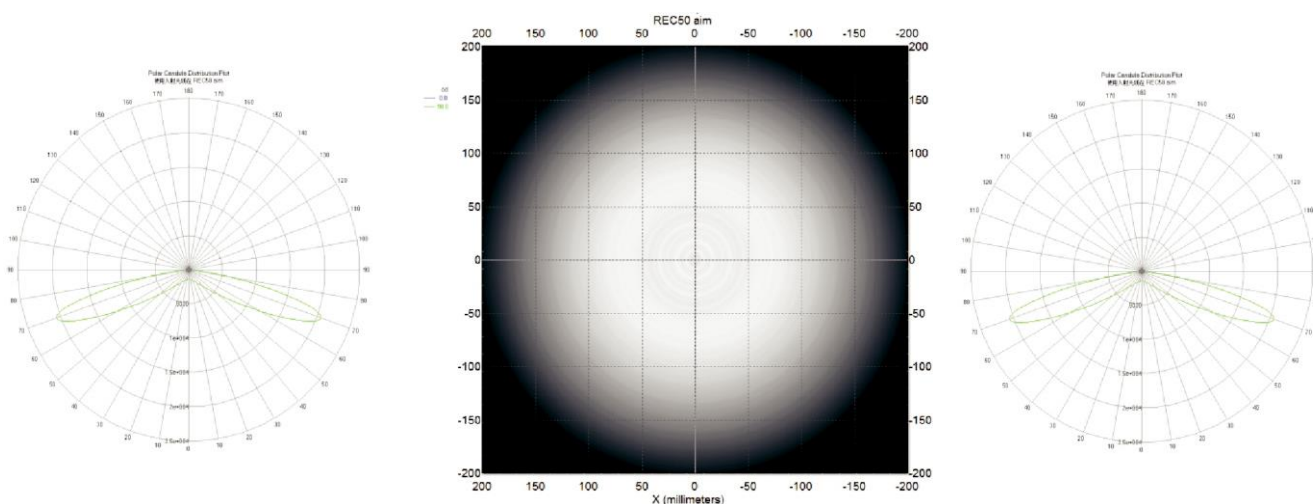
## Dimensions

Length: 30mm  
Width :18mm  
Thickness :9 mm  
Module Pitch : 110mm

## General Information

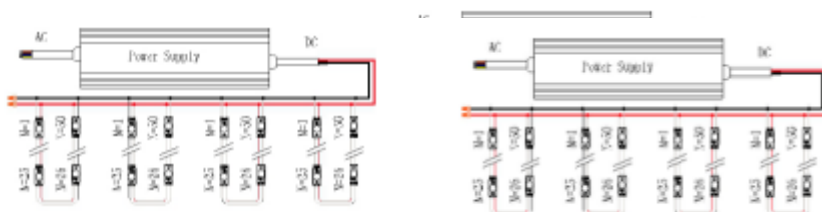
Color temperature	3000K/6500K/9000K
Standard Deviation Of color matching	<3sdcn
Voltage	DC 12V
Power/Module(w)	0.48W
Current(mA)	40
Lumen/module	50lm
Efficiency(lm/w)	100
Beam Angle	160
Driving System	Constant voltage
Module/chain	20
Modules max in series	20
IP	65
Warranty	3years
Lifetime	50,000hrs

## Light Distribution



## Wiring

MZ-3018-1



## Standards&Certificates

EN60598-1:2015  
EN60598-2-1:1989  
EN62031:2008+A1:2013+A2:2015  
EN6247:2008

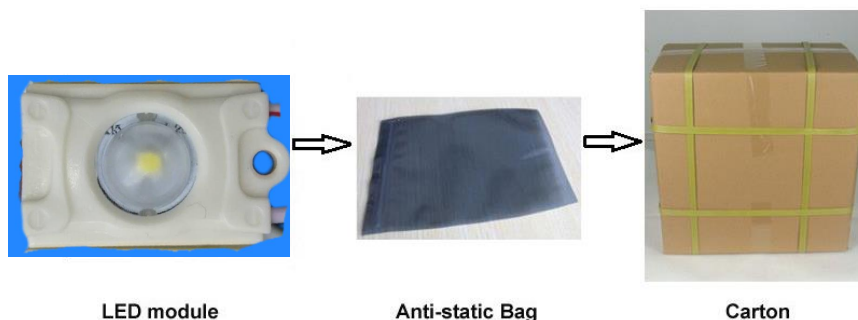
EN55015:2013+A1+2015  
EN61547:2009  
EN61000-4-2:2009  
EN61000-4-3:2006+A2:2010

IEC62321:2008  
IEC62321-4:2013  
IEC62321-5:2013

## Thermal Behavior

operation temperature (operation, no defects)	ta	- 40 → + 85 ° C
storage temperature	ts	- 40 → + 85 ° C
max. temperature tc point	tc	90 ° C

## Packing



LED module

Anti-static Bag

Carton

	Qty of one bag (pcs)	Qty of a carton (pcs)	Dimension (mm)	Net weight(kg)	Gross Weight(kg)
Carton	200	5000	520*370*260	19	20