

LED Moduled User Manual

Brief Introduction: Three lamp SMD 2835 groups of injection moulds, 160° , DC12V, 0. 72W, IP65



INTRODUCTION

ABS as the shell housing, produced by injection molding machines, high performance, anti-UV, fire-proof, dust-proof.

APPLICATION

Applicable for 60-180mm depth Signage

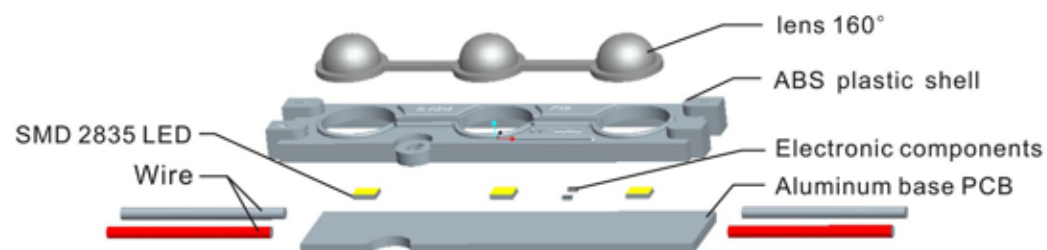
FEATURES

1. shell adopt flame-retardant engineering plastics, high reliability
2. High brightness SMD2835, 22-24lm per LED
4. Aluminum PCB exposed with better heat dissipation
5. optical lens of 160 viewing angle
7. waterproof rate IP65, Fire rating to UL 94V-0

WARRANTY

3years or 13000 hours, whichever comes first

DIAGRAM



OPTICAL AND ELECTRICAL PARAMETERS

Code	LED Color	Color Temperature (K)	Bear Angle (°)	Luminous Flux (lm/pc)	CRI RA	Luminous Efficacy (lm/W)	Working Voltage (V DC)	Working Current (mA/pc)	Power (W/pc)
BM2534	Pure White	6000	160	66	≥75	91	12	60	0.72

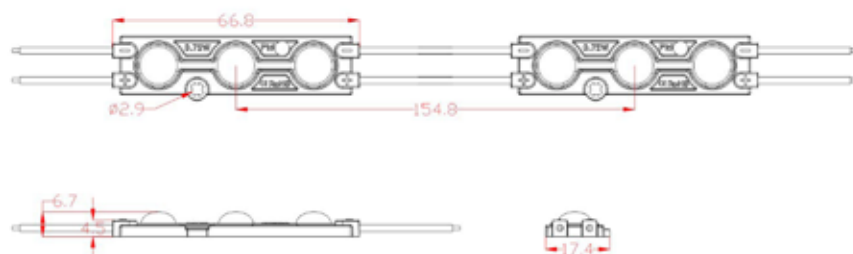
OTHER PARAMETERS

Code	LED Color	Standard Qty per string (pc)	Single-end power feed (pc)	Double-end power feed (pc)	Weight per pc (g)	Working temperature (°C)	Storage temperature (°C)	IP Grade
BM2534	Pure White	20	20	40	8	-20~+65	-25~+75	IP65

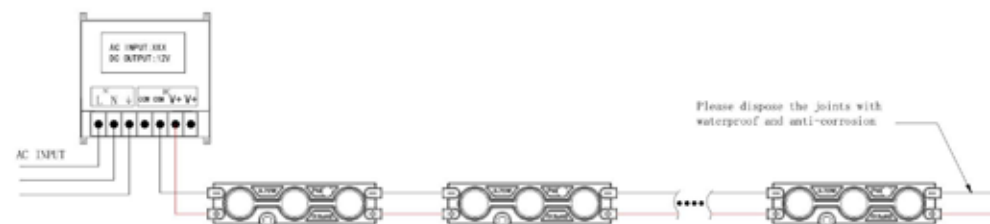
Notes:

1. testing environment temperature: $25 \pm 2^{\circ}\text{C}$
2. the above data are typical values; the actual data of each single product could differ from the typical values. the data subject to change without prior notice.
3. this is high power module, which is not available in double-ended feed from power supply.

DIMENSIONS



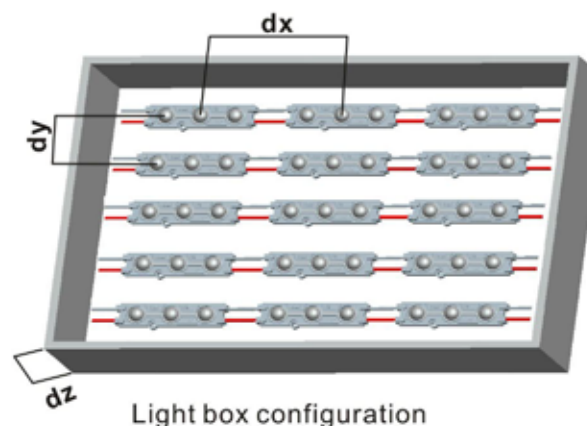
CONNECTING INSTRUCTION



Installation Reference Solution

1.light Box Layout

Light Box Thickness(mm)	Distance between Module dx (mm)	Distance between Module dy (mm)	Installation Density (pcs/m ²)	Illumination Scope (lux)
80	100	70	143	3500-4000
100	120	90	93	2300-2500
120	140	120	60	1400-1700
150	190	150	35	800-1000



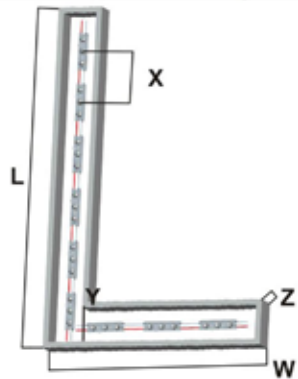
Light box configuration

Notes:

1. tested with the modules which built by CCT6000K led
2. the above data was tested with 3MM thickness acrylic board which the light transmittance is 54%
3. all the above data is for reference only

2. Installation Example

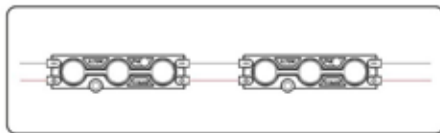
Dimensions L*W (mm)	Thickness Z (mm)	Width of main strokes Y (mm)	Max. Distance between modules (mm)	Used Qty (pcx)	Installation Density (pcs/m ²)	Surface Illumination Scope (lux)
710*410	80	80	140	8	96	4000-4500
850*500	100	100	150	9	72	3100-3700
1000*600	120	120	150	10	56	2500-3000
1200*720	150	150	150	12	45	2000-2500



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Parts Tools



LED Modules



Wire connectors



Screws



Electric drill



Knife



Pliers



Power supply