



深圳德彩光电有限公司
Shenzhen Dicolor Optoelectronics Co.,Ltd

LED模组规格书

LED MODULE SPECIFICATION

编号 (NO.):	DI-P12F1
类型 (Type):	Outdoor LED Module
间距 (Pitch):	12.0 mm
驱动 (Driving):	1/4 Duty
版本 (Version):	1.0



请避免重物挤压灯面!



小心静电损坏LED!



非专业人员请勿维修!

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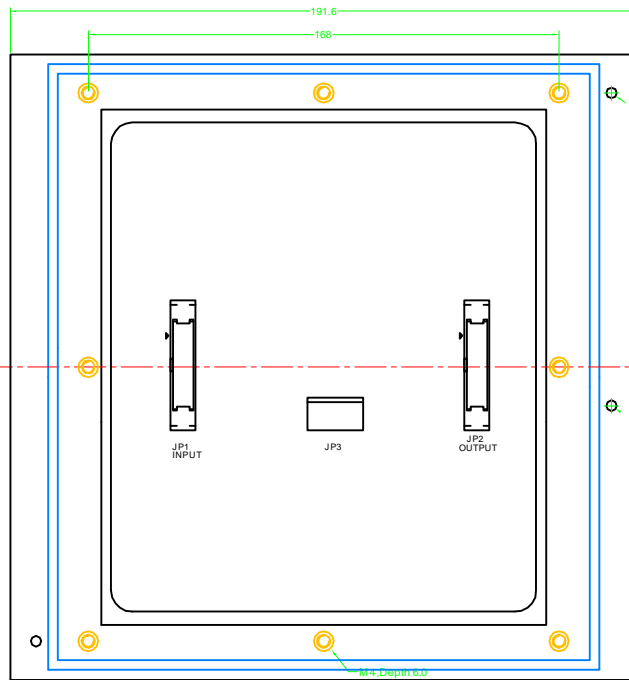
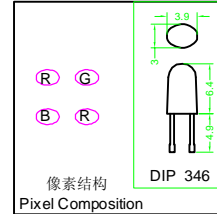
DI-P12F1

户外模组 (OUTDOOR MODULE)

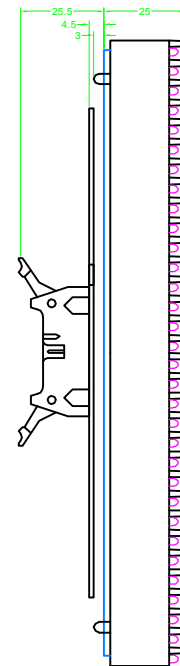
单位 / Unit : mm



FRONT VIEW



BACK VIEW



SIDE VIEW

Pin Assignment (Data JP1/JP2 - F.C.16)

Pin NO.	Function	Pin NO.	Function
1	R0	2	R2
3	R3	4	R4
5	G0	6	G1
7	G2	8	G3
9	B0	10	B1
11	B2	12	B3
13	A	14	B
15	CLK	16	GND
17	LAT	18	GND
19	OE	20	GND

Pin Assignment (Power JP3 - CH5)

Pin NO.	Function
1	VDD
2	VDD
3	VCC
4	GND
5	GND



DI-P12F1

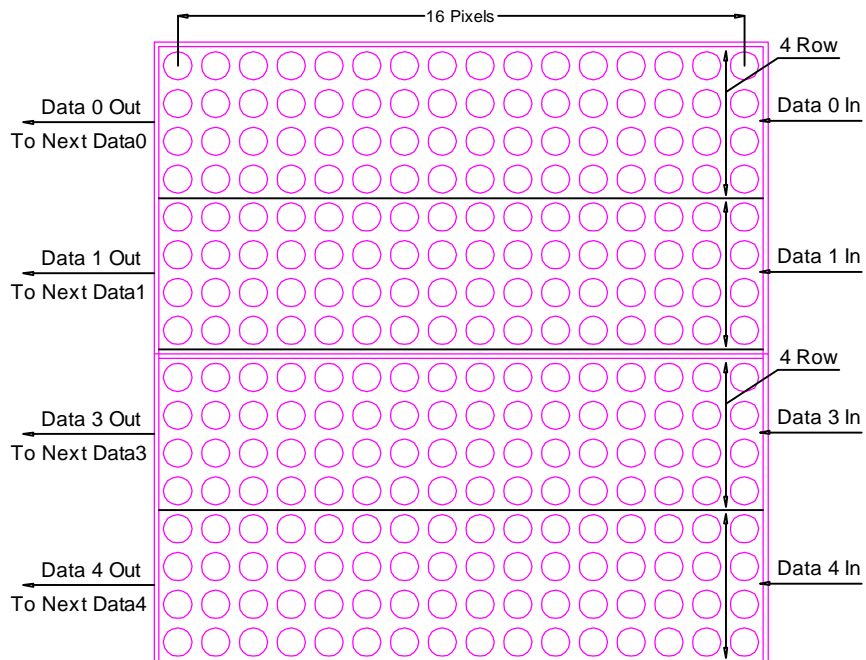
户外模组 (OUTDOOR MODULE)

主要技术指标
MAIN SPECIFICATIONS

(温度条件 Ta = 25°C)

项目 (ITEM)	参数 DESCRIPTION
像素间距 (Pixel Pitch)	Pitch 12 mm
显示分辨率 (Display resolution)	16 x 16 Dots
像素基色 (Pixel configuration)	2R, 1 G, 1 B
物理密度 (Physical density)	6944 (pixels / m ²)
驱动方式 (Driving Method)	1/4 Duty
外形尺寸 (Panel size)	191.6x191.6mm
灰度等级 (Gray scale)	16384
显示亮度 (Brightness)	3500 ± 10% Nit
模组视角 (Viewing angle)	H:110° / V:60°
最佳视距 (Option distance)	> 9 M
LED封装 (LED Encapsulation)	DIP 346
LED波长 (LED Wavelength)	R:620~630nm G:520~530nm B:465~475nm
工作电压 (Working Voltage)	DC 5 V
使用功耗 (Working Consumption)	18W
使用寿命 (Life Time)	100,000 Hours
环境温度 (Environment Temperature)	-20°C ~ 60°C
外壳材质 (Material of Module Outside Frame)	PC

数据传输原理图
Drive Data Register Direction



FRONT VIEW (LAMP VIEW)