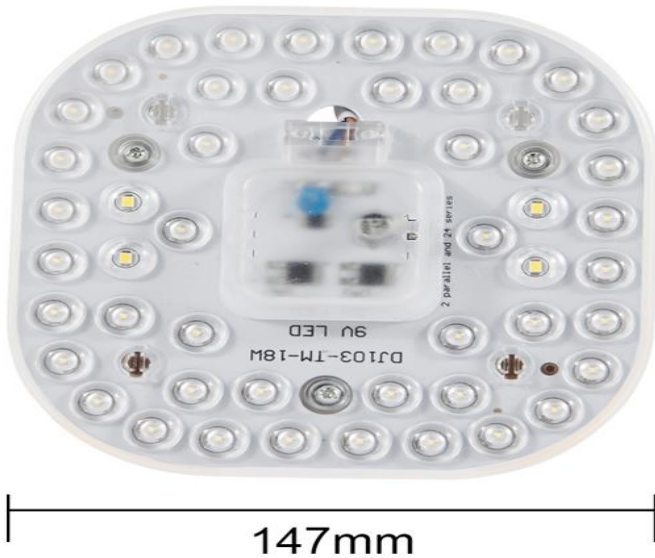


Specification of LED MZF1801 Light Engines

-----18W/white light



18W LED module entity diagram



18W LED module lighting diagram



down light spot light par lamp bulb

□ Introduction

- ✧ Isourecled production series modules do not need to be connected to an external drive, so it can help reduce the cost of the circuit and the size of the lamp. The large bead coverage of the lamp bead ensures that the illumination is absolutely uniform, no flash screen, and the lighting effect is very good.

- ✧ The products are all international standards, we pay attention to quality, good products, good quality, good brand, and users can rest assured.

□ Product features

- ✧ linear constant-current IC control, photoelectric integration, stable performance, reliable, long life.
- ✧ Three-stage integrated circuit design, the power change rate is within $\pm 5\%$ when the input voltage fluctuates between 220-240vac; Constant power over voltage current protection function.
- ✧ Overtemperature protection function, IC will automatically reduce the output current to control the temperature rise of the substrate, when the substrate temperature is too high.
- ✧ Using SMD6060 patch LED bead, color rendering index is more than 80.
- ✧ There is no EMI, through the CCC, CE, EMC, LVD, SAA, UL, FCC, ROHS certification, etc.
- ✧ No ultraviolet, electromagnetic wave radiation.
- ✧ PCB size can be customized according to customer requirements.
- ✧ No need to drive, wiring can be, 3 years replacement, full light, no flash screen.

□ Scope of application

Ceiling lights, panel lights, ceiling lights, mining lights, street lights, LED down lights, fluorescent lights flood lights, etc.



□ Product technical parameters

Type	MZF1801	luminous	1885.6 lm
Input Voltage	AC220-240V 50HZ	luminous efficiency	106.2 lm/w
Input Current	0.128A	CCT	5000-6500K
Power	18W	Ra	85.2
Power Factor	0.598	Size	148*148*24mm
Insulation Class	ACW>2KV	Weight	112 g
Operating tempeture	-20~45°C	Thermal Conductivity	1.0W/m. K

□ installation guide

1. Clean the installation surface, evenly apply the heat-conducting silicone grease to the bottom of the LED module, and fix the LED module and radiator with screws.
2. Attach the lens and screw it in place.
3. Ac 220V power supply is introduced for power test.

□ Use advice

- 1) This product has over temperature protection function, when the whole lamp temperature is too high, IC will automatically reduce the power to control the temperature rise, it is suggested to choose qualified high quality radiator. When the ambient temperature is 25°C, the Tc temperature at the temperature measurement point on the substrate surface should be <60°C. When the ambient temperature is 50°C, Tc<85°C.
- 2) Industrial and mining lamps, throwing light lamps, street lamps and other high-power projection lamps light efficiency to the distribution photometer shall prevail; Bulb lamp, lamp tube and other light efficiency to integral ball shall prevail.
- 3) It is recommended to use an insulating gasket at the bottom of the screw.

□ Certificate

sit

Certificate of Compliance

CERTIFICATE NO.: SIT130606205L

Product : 2W LED Bulb
 Model : DS-2527, DS-2538
 Trade Name : N.A.
 Applicant : iSource Engineering Co., Ltd
 Address : 5th Building, the 5th Industrial Zone, Heshuikou Village, Gongming Street Office, Guangming New District, Shenzhen City, P.R.C.
 Manufacturer : iSource Engineering Co., Ltd
 Address : 5th Building, the 5th Industrial Zone, Heshuikou Village, Gongming Street Office, Guangming New District, Shenzhen City, P.R.C.

This is to certify that, on the basis of the tests undertaken as per Report No.: SIT130606205LR, the submitted sample of the above item complies with:

EN 60968:1990+A1:1993+A2:1999
 EN 62471:2008
 EN 62031:2008

And fulfills testing requirement of the LVD directive 2006/95/EC.

CE

Authorized Signer: 
 Date: 

Shenzhen SIT Testing Technology Co., Ltd
 Tel: (86)-0755-29173399 Fax: (86)-0755-29179933 Http://www.sit-cert.com

sit

Certificate of Compliance

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 Manufacturer : iSource Engineering Co., Ltd
 Address : 5th Building, the 5th Industrial Zone, Heshuikou Village, Gongming Street Office, Guangming New District, Shenzhen City, P.R.C.

This is to certify that, on the basis of the tests undertaken as per Report No.: SIT130606205RR, the submitted sample of the above item complies with:

EPA 3050B:1996, EN1122:2001,
 EPA 3052:1996, EPA 3060A,
 EPA 7196, EPA 3540C, EPA 8270C

And fulfills testing requirement of the RoHS directive 2011/65/EU.

RoHS

Authorized Signer: 
 Date: 

Shenzhen SIT Testing Technology Co., Ltd
 Tel: (86)-0755-29173399 Fax: (86)-0755-29179933 Http://www.sit-cert.com

sit

Certificate of Compliance

CERTIFICATE NO.: SIT130606205E

Product : 2W LED Bulb
 Model : DS-2527, DS-2538
 Trade Name : N.A.
 Applicant : iSource Engineering Co., Ltd
 Address : 5th Building, the 5th Industrial Zone, Heshuikou Village, Gongming Street Office, Guangming New District, Shenzhen City, P.R.C.
 Manufacturer : iSource Engineering Co., Ltd
 Address : 5th Building, the 5th Industrial Zone, Heshuikou Village, Gongming Street Office, Guangming New District, Shenzhen City, P.R.C.

This is to certify that, on the basis of the tests undertaken as per Report No.: SIT130606205ER, the submitted sample of the above item complies with:

EN 55015:2006+ A1:2007 +A2:2009
 EN 62493:2010
 EN 61547:2009
 EN 61000-3-2:2006+A1:2009 +A2:2009
 EN 61000-3-3:2008

And fulfills testing requirement of the EMC directive 2004/108/EC.

CE

Authorized Signer: 
 Date: 

Shenzhen SIT Testing Technology Co., Ltd
 Tel: (86)-0755-29173399 Fax: (86)-0755-29179933 Http://www.sit-cert.com

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IES LM-79-08
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Measurements of Solid-State Lighting Products

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 Floor 4-5, SA building 5th industry area, Heshuikou Village, Gongming Town, shenzhen, China

For products:
Two-Foot Linear Replacement Lamps

Models:
DS-0901-UQ-9W-54(4000K)

Test date: Mar 18, 2014
 Test laboratory: LCTECH (Zhongshan) Testing Service Co. Ltd
 2/F, Technology and Enterprise Development Center, Guangyan Road, Xiaolan, Zhongshan, Guangdong, China
 Laboratory note: This report was based on report LCGP14030158, there is no variation except for applicant and model number.

Compiled by: *Tim Tan* Reviewed by: *Richard Li*
 Project Engineer Technical Manager
 April 30, 2014 April 30, 2014

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