

# SPECIFICATION FOR APPROVAL

Model : DR12060 Direct Ring Illumination -

Red, Green, Blue

Model P/N: GL-DR12060RGB-24

**Customer:** 

Date : May. 31, 2017

Authorized Signature			
Approved By	Reviewed By	Prepared By	
李青松	曾朝海	宣朝海	

#### 丞基技研股份有限公司 3AMechatronic Co.,Ltd.

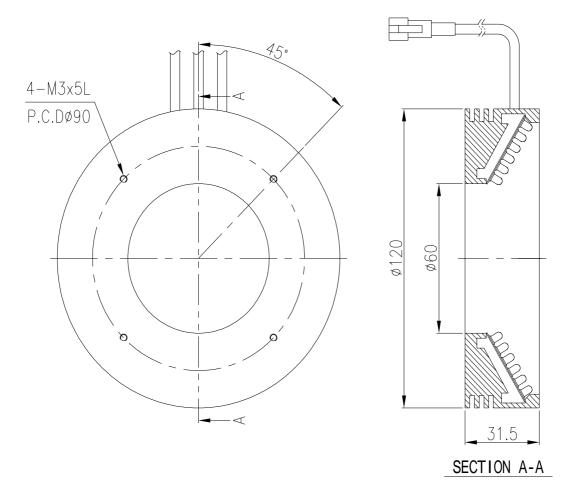
Add.: 7F-7, No. 12, Lane 609, Sec. 5, Chongxin Rd., Sanchong Dist.,

New Taipei City 241, Taiwan (R.O.C)

TEL: +886-2-29997331

**FAX:** +886-2-22787113

## 1. Dimensions



Material	Aluminum (Main Part)	
Surface Treatment	Anodic Treatment (Black, Main Part)	
Unit	mm	
Tolerance	±0.3	
Connector Type	J.S.T connector SM type-3Pin	
Connector Pin Def.	GND VCC	

Note: Owing to the different series of lights, the length of wires is about 25-30cm.

## 2. Guarantee

Under the normal use of the product, it will keep more than 80% of its initial brightness within a year from the date of delivery.

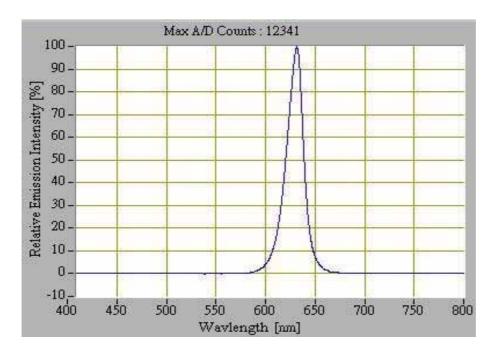
# 3. Specification

Input Voltage	DC 24V	Tolerance: ±0.1V
Max Power Consumption	13.44W	LED consumption only.
Operating Condition	Temperature	0~40°C
	Humidity	20~80%RH
	Cooling Method	Natural Air Cooling
Quantity of LEDs	360 pieces	Each color 120 pcs

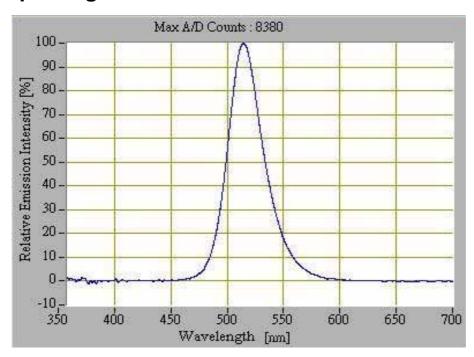
# 4. Specification of LED

Chip Source: NICHIA, CREE, OSRAM, SAMSUNG, or PHILIPS

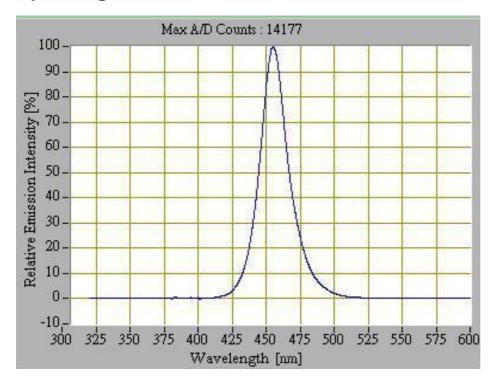
### **Spectrogram of Red LED:**



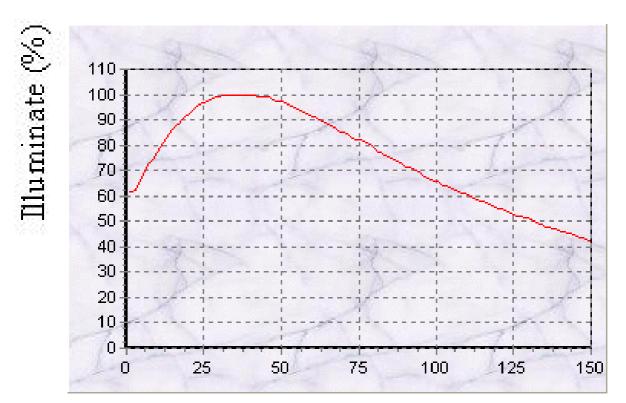
### **Spectrogram of Green LED:**



### **Spectrogram of Blue LED:**

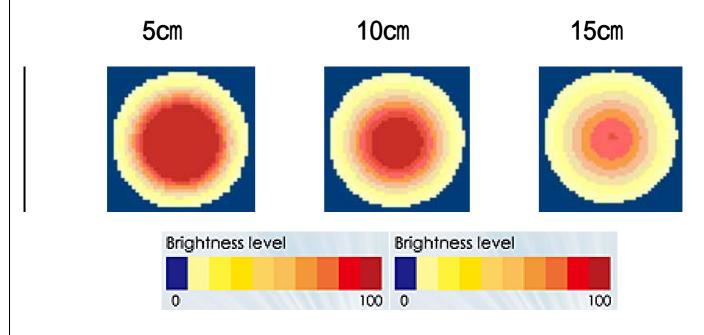


# **5.Illuminance Curve**



Distance (mm)

# **6. Brightness Distribution**



#### 7. CE Certification

#### SGS Taiwan Ltd. **Electronics & Communication** Laboratory

134, Wu Kung Road, WuKu Industrial, Zone Taipei County, Taiwan 248 Tel: +886-2-2299-3279 Fax: +886-2-2298-2698



Verification No.: EM/2007/70058C

#### VERIFICATION OF EMC COMPLIANCE

Model No.

3AM-DR-90/50W; 3AM-PR-136/108-W; 3AM-DO-54/11W; 3AM-DM-60/60W; 3AM-LDM-60/60W; 3AM-IFV-50W

Added Model(s)

Please see the ANNEX(-)

Product Name

: LED LIGHT

Applicant

: 3A MECHATRONIC CO., LTD.

Address of Applicant

: 7FL.-7, NO.12, LANE 609, SEC.5, CHUNGSHIN RD., SANCHUNG CITY,

TAIPEI, TAIWAN 241, R.O.C.

Based on SGS EMC Test Report Number(s): EM/2007/70058

Date of Receipt

: 17 July 2007

Date of Test(s)

17 July ~ 21 August 2007

Date of Issue

21 August 2007

Test(s) Required Standards:

EN55015 : 2000+A1:2001+A2:2002

EN61547: 1995+A1:2000

IEC61000-4-2: 1995+A1:1998+A2:2000

IEC61000-4-3: 2002+A1:2002

IEC61000-4-8: 1993+A1:2000

Conclusion

The apparatus meets the requirements of the above standards and hence fulfills the requirements of EMC Directive 2004/108/EC requirements.

\*This certificate is only valid for the equipment and configuration described, and in conjunction with the test report as detailed above. Authorized Signatory:



TAIWAN LTD Victor Wen

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SGSPAPER 04249853



All of our LED lights have obtained CE certification.

#### 8. RoHS Certification



8, Lane 29, Wen-Ming Rd., Lo-Shan Tsun Kui-Shan, Taoyuan County, Taiwan 33383 http://www.etc.org.tw 03-328-0026

# Certificate

of Conformity for Directive 2002/95/EC (RoHS)

This is to certify enclosure(s) are in compliance with Directive 2002/95/EC on the Restriction of The Use of Certain Hazardous Substance (RoHS) in Electrical and Electronic Equipment.

Applicant: 3A Mechatronic Co., Ltd.

7F-7, No. 12, Lane 609, Chung-Hsin Rd., Sec. 5, San-Chung City, Taipei Hsien, Taiwan

Product/Sample: Shadowless Type LED

Style/Type: PR-67/39R . PR-67/39W . PR-67/39B . PR-67/39G .

PR-67/39Y · PR-67/39UV · PR-67/39IR · PR-90/58R · PR-90/58W · PR-90/58B · PR-90/58G · PR-90/58Y · PR-90/58UV · PR-90/58IR · PR-136/108R · PR-136/108W ·

PR-136/108B · PR-136/108G · PR-136/108Y · PR-136/108UV - PR-136/108IR

Certificate No: 08-09-QAC-186 Date of Issue: October 17, 2008

This certificate of conformity is based on evaluated sample(s) of the product mentioned above. It does not imply the assessment of production of the product. The result of this evaluation is available on the RoHS Assessment Report, which is in conformity with 2005/618/EC Article 1, amending RoHS Directive 2002/95/EC.

Peter Huang Manager

**Electronics Testing Center, Taiwan** 

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To pursue excellence in service quality with a dedicated working attitude.

All of our LED lights have obtained RoHS certification.