

SPECIFICATION FOR APPROVAL

Model: FDR-84/54R

Direct Ring Illumination – Red

Model P/N: GL-FDR8454R

Customer:

Date : Jul. 23, 2013

Authorized Signature			
Approved By	Reviewed By	Prepared By	
李青松	馮國緯	陳學文	

丞基技研股份有限公司 3AMechatronic Co., LTD.

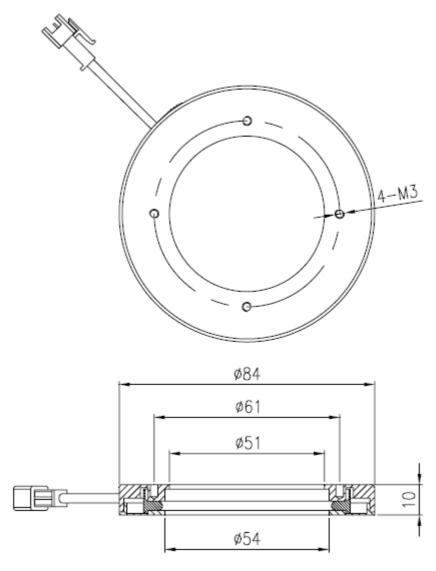
Add.: 7F-7, No. 12, Lane 609, Sec. 5, Chongxin Rd., Sanchong Dist.,

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-2Pin	
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 50% of its initial brightness within a year from the date of delivery.

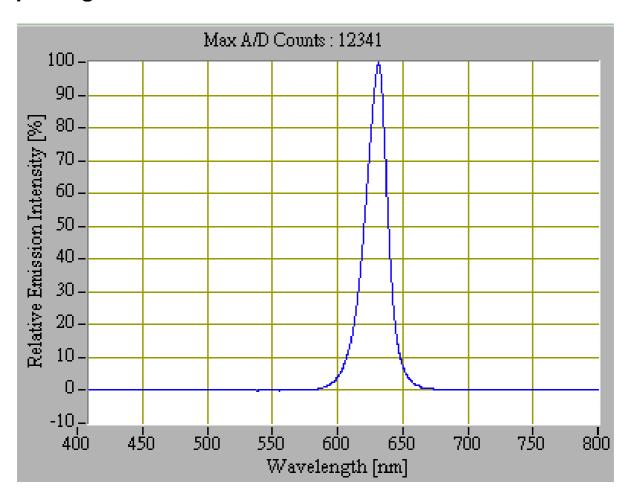
3. Specification

Input Voltage	DC 8.4 – 12.0V	Tolerance: ±0.1V
Max Power Consumption	1.92W	LED consumption only.
Operating Condition	Temperature	0 – 40°C
	Humidity	20 – 80%RH
	Cooling Method	Natural Air Cooling
Quantity of LEDs	48 pieces	

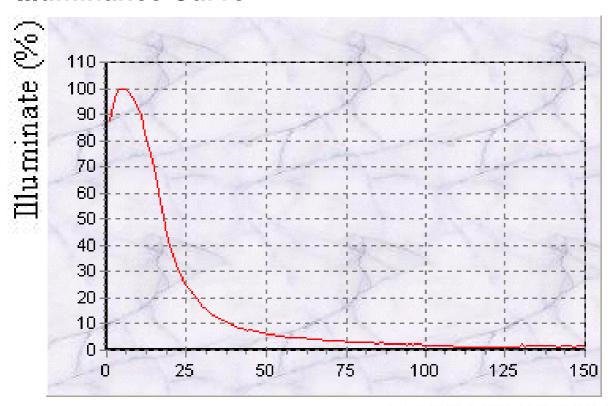
4. Specification of LED

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

Spectrogram:

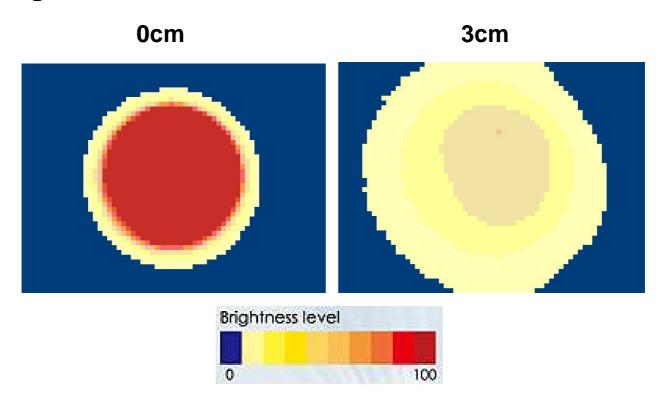


5. Illuminance Curve



Distance (mm)

6. Brightness Distribution for FDR8454 Series



7.CE Certification

SGS Taiwan Ltd. Electronics & Communication Laboratory

134, Wu Kung Road, WuKu Industrial. Zone, Talpei 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:



SGS TAIWAN LTD. Victor Wen

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Member of SGS Group (Societe Generale de Surveillance)

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Any other halder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not experied portion to a transaction from exercising all their rights and obligations

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.