

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

APPLICATION FOR CERTIFICATION

on Behalf of

Shanghai Viva Home Improvement Co., Ltd.

Electronic Ballast

Model No. : 84155

FCC ID. :OGB84155

Application No.: ACS-20F1

Jan. 12, 2000

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

APPLICATION FOR FCC CERTIFICATION

Applicant : *Shanghai Viva Home Improvement Co., Ltd.*
Equipment : *Electronic Ballast*
Model No. : *84155*
FCC ID. : *OGB84155*
EMC Report No. : *ACS-20F001*

Document List :

<i>LETTER OF AUTHORIZATION</i>	3
<i>LETTER OF MODIFICATION</i>	4
<i>EXHIBIT 1</i>	5
<i>LABEL DRAWING</i>	<i>MODEL NO: 84155</i> 6
<i>EXHIBIT 2</i>	7
<i>PHOTOGRAPHS</i>	7
<i>EXHIBIT 3</i>	11
<i>DESCRIPTION OF EUT</i>	12
<i>BLOCK DIAGRAM</i>	<i>MODEL NO.: OGB84155</i> 13
<i>EXHIBIT 4</i>	14
<i>TEST REPORT</i>	14
<i>EXHIBIT 5</i>	15
<i>USER'S MANUAL</i>	16

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

Letter of Authorization

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road,
Columbia, MD 21046

Date: Jan. 12, 2000

Dear Sir,

This is your letter of authorization to accept our appointment of Richard Mullen, Manager / Safety & Compliance Consulting as agent for the following company :

Company Name : **Shanghai Viva Home Improvement Co., Ltd.**
Address : **No.888, Zhangcao Rd, Caojing, Jinshan, Shanghai**

From now on, Richard Mullen will sign applications before the commission on our behalf, and receive exchange data between our company and the commission in connection with certification of the following: **Viva Home Improvement Co., Ltd.**

Equipment : **Electronic Ballast**
Model No. : **84155**
FCC ID : **OG84155**

Under FCC Docket Number 20780 and General Docket Number 89-103 pursuant to Part 18 Subpart C, of the Rules and Regulations of the FCC.

This authorization will expire one year from the date of this letter.

Sincerely Yours,

Jacky Wu

Jacky Wu

Viva Home Improvement Co., Ltd.

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

Letter of Modification

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road,
Columbia, MD 21046

Date: Jan. 12, 2000

Dear Sir,

This letter services as our declaration that all modifications listed below are implemented in the sample submitted for pre-grant testing. We further declare that the same modifications will be implemented into all production unit to enhance compliance of the unit to FCC limits.

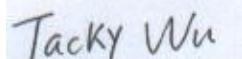
M/N: 84155

- 1) Add Cy^2 2200PF from the negative terminal of D3 to the positive terminal of C9.
- 2) Connect IC1 No.8 to IC2 No.1.

Please see Exhibit 2 from Page 8 to Page 10.

If you have any questions or need more information, Please do not hesitate to contact me.

Sincerely Yours,



Jacky Wu

Viva

Home

Improvement

Co.,

Ltd.

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

EXHIBIT 1

Label Drawing

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

*Label Drawing**Model No: 84155*

Model: 84155

Made in China

FCC ID : OGB84155

This device complies with part 18 of FCC Rules, Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Please refer Exhibit 2 Figure 2 for Label Placement Location

FCC Label located on ballast in-between lamp

Label located on ballast enclosure

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

EXHIBIT 2

Photographs

Photographs

From Page 8 to Page 10

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

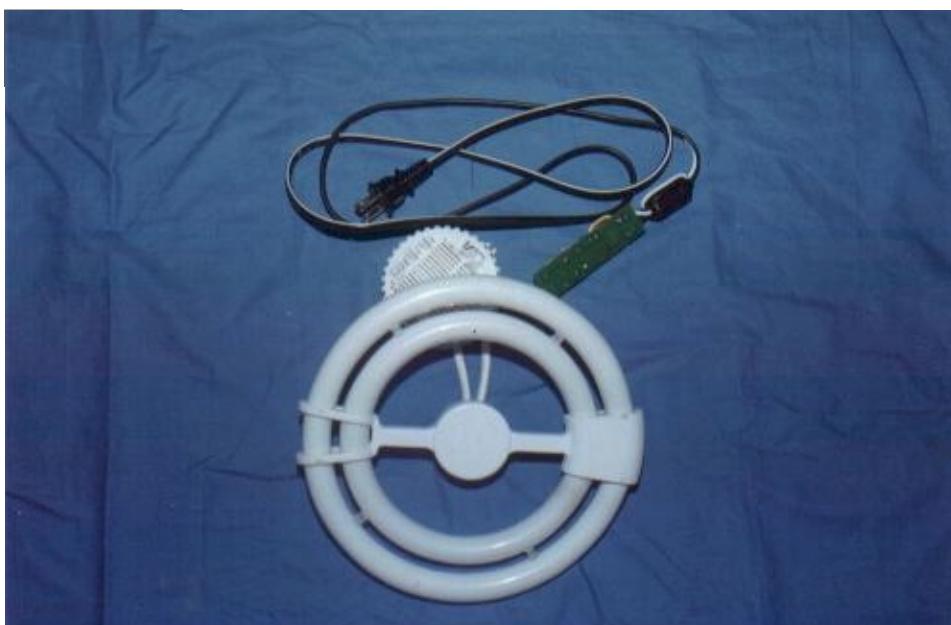
TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

Photographs

Figure 1.
General Appearance, Front View



Figure 2.
General Appearance, Rear View



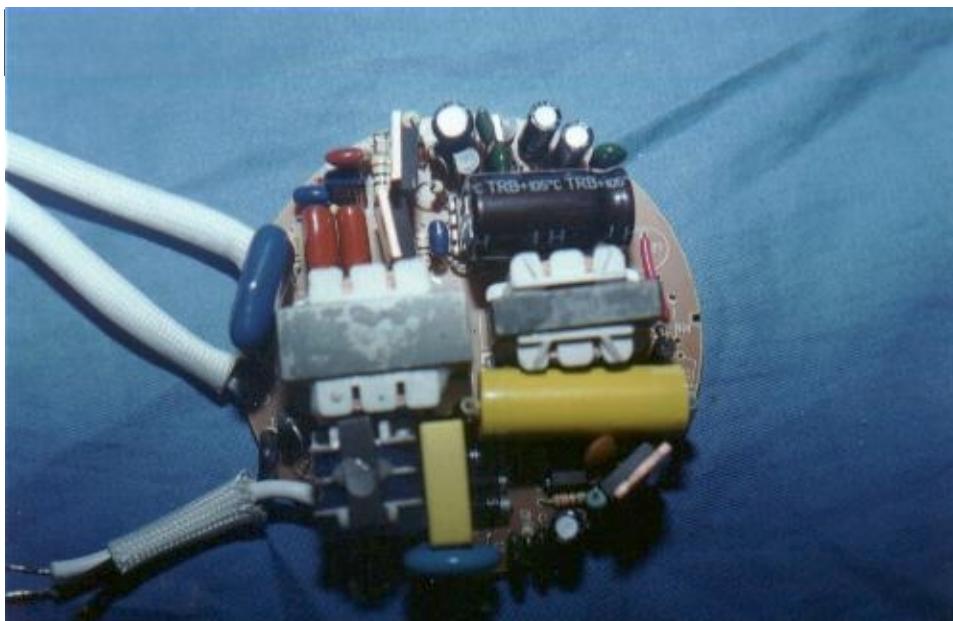
VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

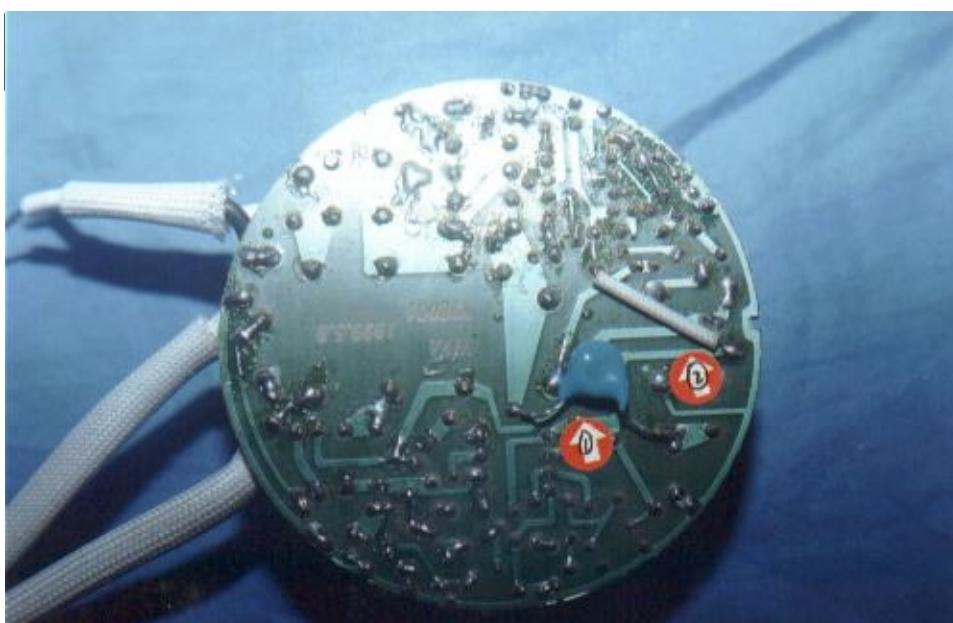
TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

Figure 3.

Main Board, Component Side

**Figure 4.**

Main Board, Component Side



VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

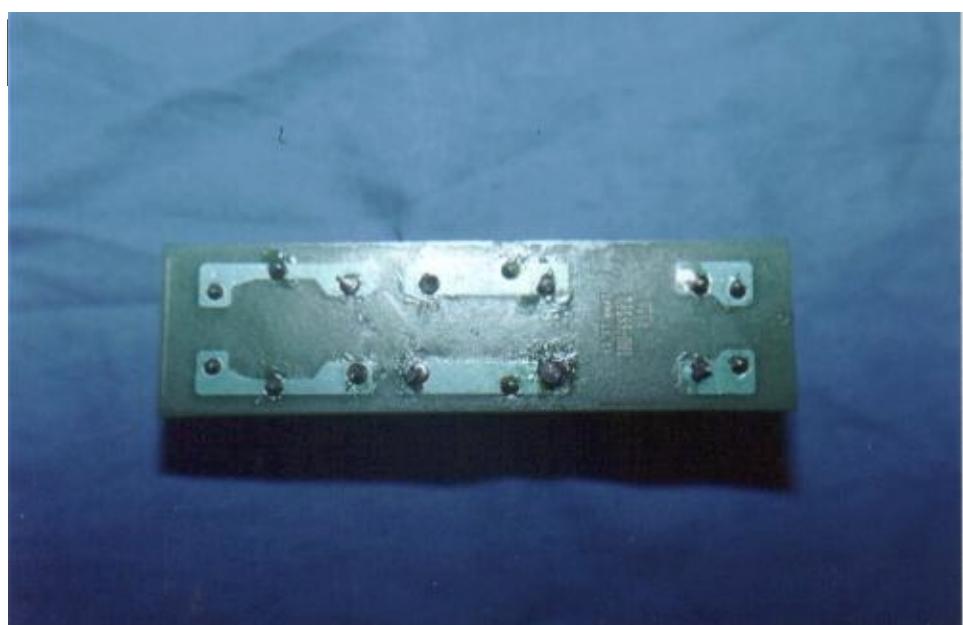
TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

Figure 5.

Main Board, Component Side

**Figure 6.**

Main Board, Component Side



VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

EXHIBIT 3*EUT and Simulators Configuration**Block Diagram*

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

EUT CONFIGURATION***Description of EUT***

Applicant : [Shanghai Viva Home Improvement Co., Ltd.
No.888, Zhangcao Rd, Caojing, Jinshan,
Shanghai](#)

Manufacturer : [Elec-Mart Co., Ltd.
4th, Ind. Zone, Paisha, Humen,
Dongguan,](#)

Product Name : [Electronic Ballast](#)

Model Number. : [84155](#)

FCC ID : [OGB84155](#)

EMC Report No. : [ACS-20F001](#)

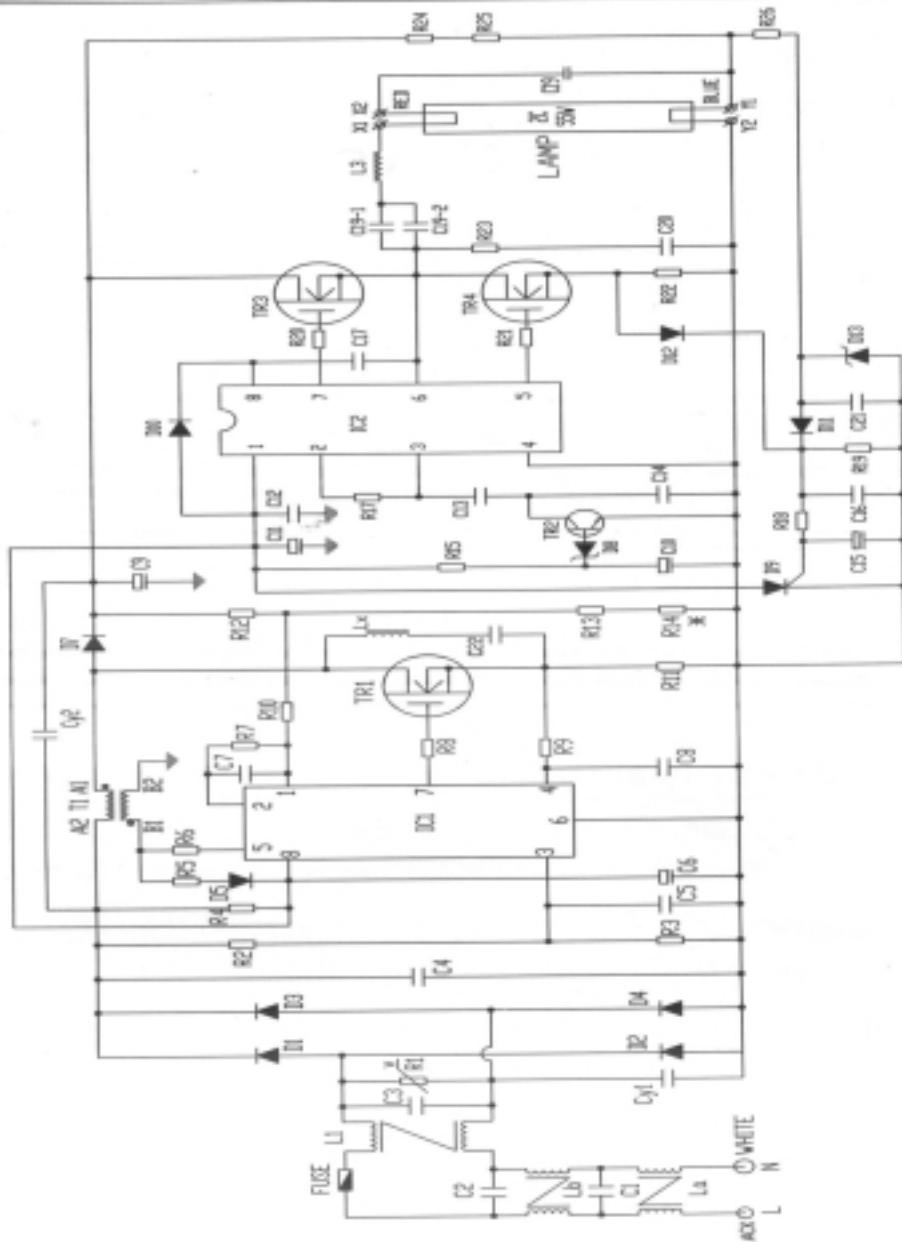
VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

Block Diagram

Model No.: OGB84155



VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

EXHIBIT 4

Test Report

Test Report

ACS-20F001

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

EXHIBIT 5

User's Manual

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

User's Manual

Instruction Manual Federal communication commission interference statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, used and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

FCC Caution : Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

ELELTRONIC BALLAST MODEL 84155

1. ENVITONMENT CONDITON

- 1) Rate:120~60Hz.
- 2) Use in the temperature range: -15°~+15°.
- 3) Relative humidity required: •85%.
- 4) Caution: Turn off power before installation.

2. TECHNICAL SPECIFICATIONS

- 1) Rated power: 55W±10%
- 2) Input Voltage: 120~
- 3) Input Current: 0.47A
- 4) Power Factor: >0.95
- 5) Pre-heating Starter: <1 Second
- 6) Crest Factor: <1.5
- 7) THD: 10%

3. INSTRUCTION

This 55W/120V~Electronic Ballast is designed for 55W Double Caroline Fluorescent tube. Connect 2 input wires (which and black)

VIVA HOME IMPROVEMENT CO., LTD.

NO.888, ZHANGCAO RD. CAOJING, JINSHAN, SHANGHAI

TEL: +86 (021) 57250333 FAX: +86 (021) 57251999

into 120V~Power source: While the 2 blue wires and 2 red wires are output wires. Which are connected with socket of the lamp through G10q or GR10a lamp base.

It has the advantages of energy saving. No flickering low crest factor & THD, but high powers factor, hence produce no interference to power networks during operation.

ELELTRONIC BALLAST MODEL 84155

1.ENVITONMENT CONDITON

- 1) Rate:120~60Hz.
- 2) Use in the temperature range: -15•~50• .
- 3) Relative humidity required: •85%.
- 4) Caution: Turn off power before installation.

2.TECHNICAL SPECIFICATIONS

- 1) Rated power: 55W±10%
- 2) Input Voltage:120~
- 3) Input Current: 0.47A
- 4) Power Factor: >0.95
- 5) Pre-heating Starter: <1 Second
- 6) Crest Factor: <1.5
- 7) THD: 10%

3.INSTRUCTION

This 55W/120V~Electronic Ballast is designed for 55W Double Caroline Fluorescent tube. Connect 2 input wires (which and black) into 120V~Power source: While the 2 blue wires and 2 red wires are output wires. Which are connected with socket of the lamp through G10q or GR10a lamp base.

It has the advantages of energy saving. No flickering low crest factor & THD, but high powers factor, hence produce no interference to power networks during operation.