

# **Listing Constructional Data Report (CDR)**

1.0 Reference and Address								
Report Number	150800441SHA-001	Original Issued:	20-Oct-2015	Revised: 23-Dec-2015				
Standard(s)	Portable Electric Luminaires – UL 153(13th Ed, March 03, 2014)							
Otandard(3)	Luminaires – CSA C22.2 No.12 (Issued: 1982/02/01 Ed: 4 (R2013) )							
Applicant	3/F NO 1525 Cao'An Road Jiading		Manufacturer	JIAXING GLORIOUS ELECTRIC CO.,LTD				
Address			Address	QuanTang Industry Zone, Pinghu City Zhejiang Province				
Country	P.R.China		Country	P.R.CHINA				
Contact	act Mr. James Lu		Contact	Mr. James Lu				
Phone	Phone +86-573-85807600*8206		Phone	+86-573-85807600*8206				
FAX	+86-573-85807622		FAX	+86-573-85807622				
Email	james@litinguniv.co	m e	Email	james@litinguniv.com				

2.0 Product Description **Product** Portable Luminaire Brand name The products covered by this report are portable luminaire for household use, they all Description connected to line voltage 120VAC. 120514(0756821); 120514F; 120514T; 120514A; 120515(0756828); 120515F; 120515T; 120515A; XF2002-2(0756827); XF2002-2C(0756833); 120519(0756822); 120516(0756829); 120525(0756824); 120526(0756831); 120517(0756826); 120518(0756832); 4327796; 1001F(0756823); 1001FC(0756830); XF151013, 430090170531; XF151013C, 430090170556; XF150515, 430090012675; Models XF150515C, 430090127713; XF151014, 500090000704; XF151014C, 500090000480; XF091408, 430090129693; XF091408C, 430090129701; XF091411, 500090000985; XF091411C, 500090000977; XF151101, 420090391368; XF151101C, 420090391640; XF091407, 420090127382; XF091407C, 420090127390; 120527, 0758071 120514(0756821) is consists of 120514F; 120514T; 120514A; 120515(0756828) is consists of 120515F; 120515T; 120515A. 120514F and 120515F are floor stand, 120514T; 120514A; 120515T; 120515A are table stand. They all have similar electric and mechanical construction. 120519(0756822); 120516(0756829); 120517(0756826); 120518(0756832) are floor stand, 120525(0756824); 120526(0756831); 4327796 are table stand. They all have similar electric and mechanical construction. XF2002-2(0756827); XF2002-2C(0756833) are DISCO BALLs with E12 cap. 1001F(0756823); 1001FC(0756830) are shelf floold stand lumiairesm just difference in model **Model Similarity** XF151014, 500090000704; XF151014C, 500090000480; XF091411, 500090000985; XF091411C, 500090000977; 120527, 0758071 are table stand. They all have similar electric and mechanical construction. XF151013, 430090170531; XF151013C, 430090170556; XF150515, 430090012675; XF150515C, 430090127713; XF091408, 430090129693; XF091408C, 430090129701; XF091411, 500090000985; XF091411C, 500090000977; XF151101, 420090391368; XF151101C, 420090391640; XF091407, 420090127382; XF091407C, 420090127390 are table stand. They all have similar electric and mechanical construction.

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2.0 Product Description 120V, 60Hz, AC ONLY, 120514(0756821) is consists of 120514F; 120514T; 120514A; 120514F: TYPE A E26 Max. 150W; 120514T: TYPE A E26 Max. 60W; 120514A: TYPE B E26 Max. 40W; 120515(0756828) is consists of 120515F; 120515T; 120515A; 120515F: CFL, E26 Max. 23W; 120515T: CFL E26 Max. 13W; 120515A: CFL E26 Max. 13W; 120519(0756822): E26 Max.60W(2pcs); 120516(0756829): CFL, E26 Max.13W(2pcs); 120525(0756824): E26 Max.40W(2pcs); 120526(0756831): CFL, E26 Max.13W(2pcs); 120517(0756826): E26 100W & E26 40W; Ratings 120518(0756832): CFL, E26 23W & E26 13W 4327796: E12, 40W 1001F(0756823): E26, Max. 100W; 1001FC(0756830): CFL, E26, Max 23W. XF2002-2(0756827): E26, Max. 25W; XF2002-2C(0756833): CFL, E12, Max. 13W 120527, 0758071: TYPE A E26 Max. 150W; XF151014, 500090000704; XF091411, 500090000985: TYPE A E26 Max. 60W; XF151101, 420090391368; XF091407, 420090127382; XF151013, 430090170531; XF150515, 430090012675; XF091408, 430090129693: TYPE A E26 Max. 40W; XF091411C, 500090000977; XF151014C, 500090000480; XF151101C, 420090391640; XF091407C, 420090127390; XF151013C, 430090170556; XF150515C, 430090127713; XF091408C, 430090129701: CFL, E26 Max.13W; Other Ratings NA

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Photo 1 - External view of 120517(0756826); 120518(0756832)



Photo 2 - Plug view

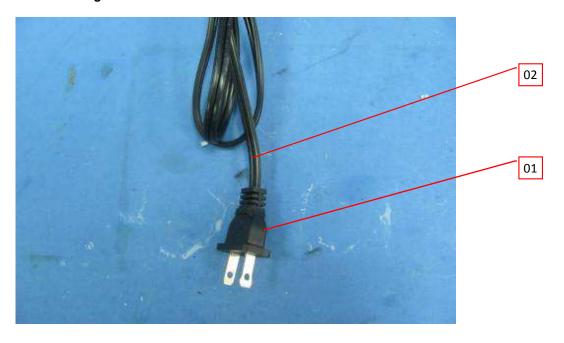


Photo 3 - Strain relief view

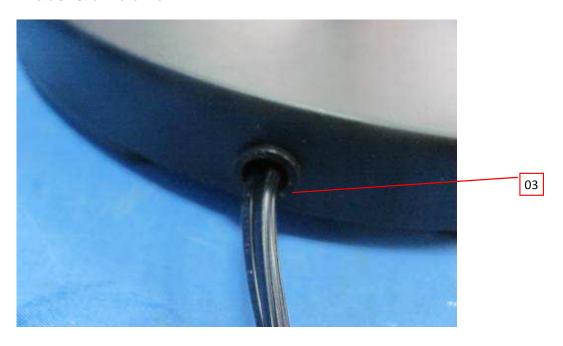


Photo 4 - Lampholder view



Photo 5 - Internal view of lampholder

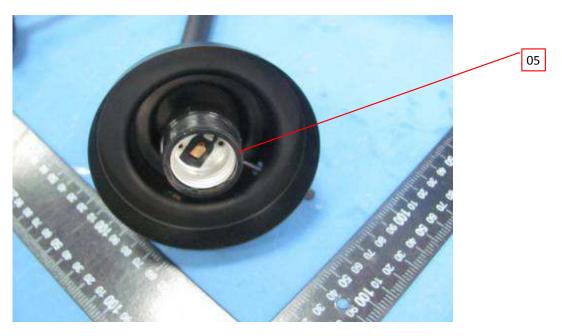


Photo 6 - lampholder view



Photo 7 - Lampholder view



Photo 8 - Internal view

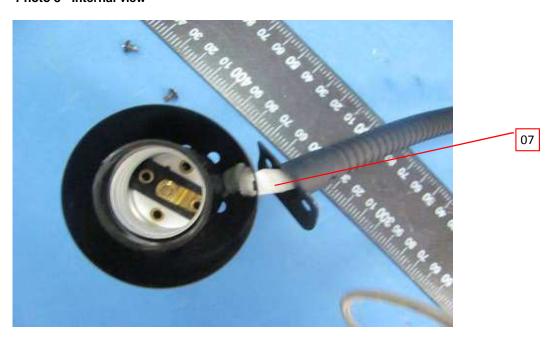


Photo 9 - External view of 120519(0756822); 120516(0756829)



Photo 10 - External view of 120525(0756824); 120526(0756831)



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Photo 11 - Supply cord view

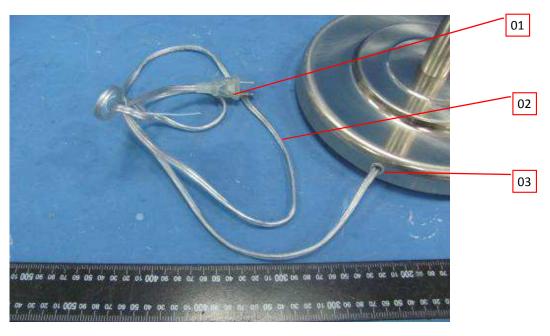


Photo 12 - Lampholder view



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Photo 13 - Lampholder view



Photo 14 - Lampholder view



Photo 15 - External view of 120514F, 120515F



Photo 16 - External view of 120514T, 120514A, 120515T, 120514A



Photo 17 - Plug view



Photo 18 - Internal view



Photo 19 - Internal view



Photo 20 - Lampholder view



Photo 21 - External view of 4327796



Photo 22 - plug view



Photo 23 - Internal view

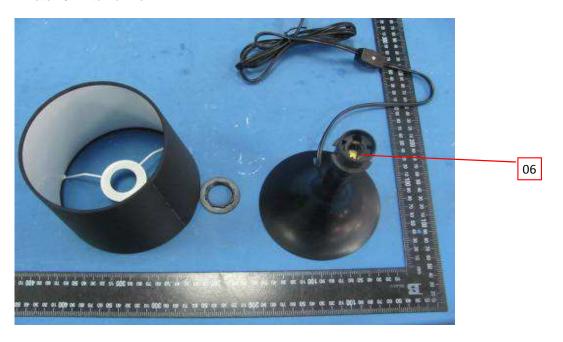


Photo 24 - Lampholder view



Photo 25 - External view of XF2002-2(0756827); XF2002-2C(0756833)



Photo 26 - Plug view

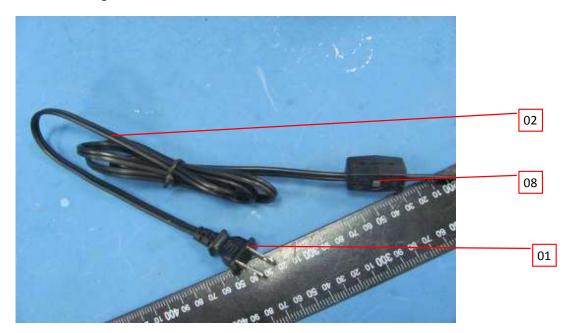


Photo 27 - Internal view

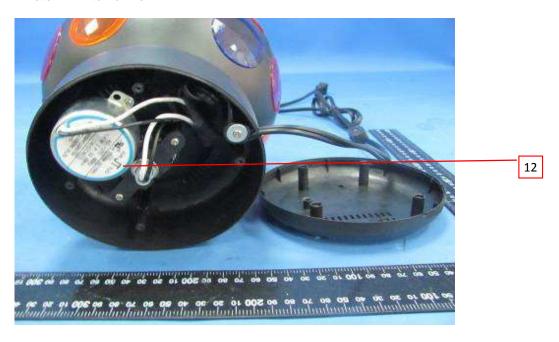


Photo 28 - Internal view

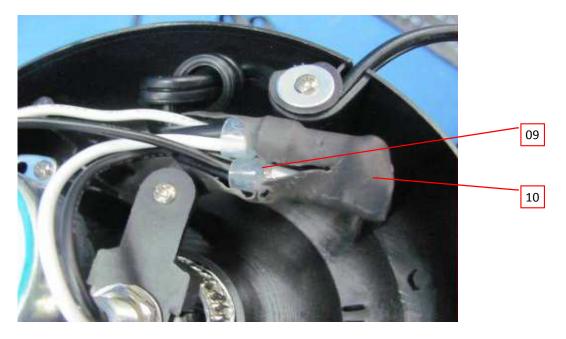


Photo 29 - Internal view

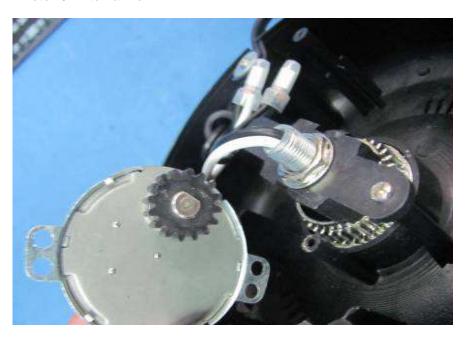


Photo 30 - Internal view



Photo 31 - External view of 1001F(0756823); 1001FC(0756830)



Photo 32 - Lampholder view



Photo 33 - Lampholder view

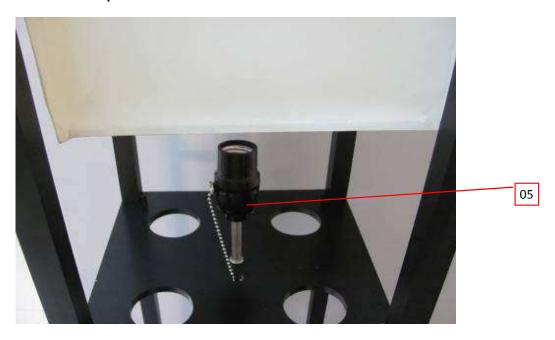


Photo 34 - Lampholder view



Photo 35 - External view of 120527, 0758071



Photo 36 - Base view of 120527, 0758071



Photo 37 - Strain relief view of 120527, 0758071



Photo 38 - lampholder view of 120527, 0758071

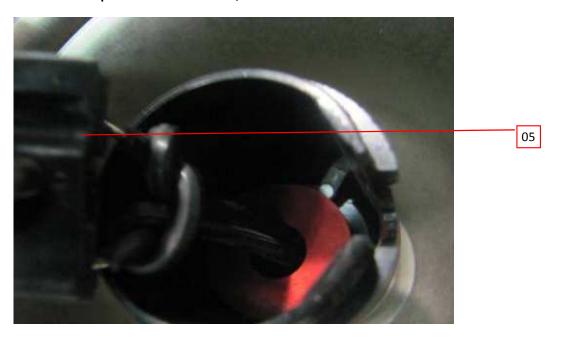


Photo 39 - External view of XF151014, 500090000704; XF151014C, 500090000480;



Photo 40 - Base view of XF151014, 500090000704; XF151014C, 500090000480;



Photo 41 - Lampholder view of XF151014, 500090000704; XF151014C, 500090000480;



Photo 42 - External view of XF091411, 500090000985; XF091411C, 500090000977;



Photo 43 - Base view of XF091411, 500090000985; XF091411C, 500090000977;



Photo 44 - Lampholder view of XF091411, 500090000985; XF091411C, 500090000977;

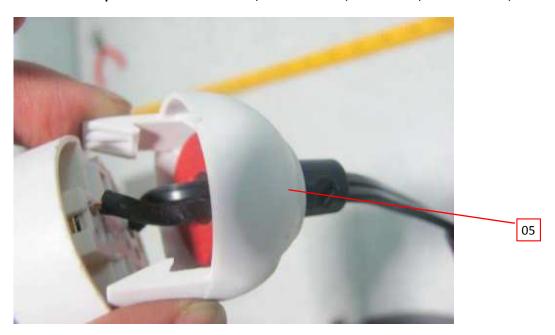


Photo 45 - External view of XF150515, 430090012675; XF150515C, 430090127713



Photo 46 - Base view of XF150515, 430090012675; XF150515C, 430090127713



0 Draduat Photographs

## 3.0 Product Photographs

Photo 47 - Lampholder view of XF150515, 430090012675; XF150515C, 430090127713



Photo 48 - External view of XF091408, 430090129693; XF091408C, 430090129701;



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Photo 49 - Switch view of XF091408, 430090129693; XF091408C, 430090129701;



Photo 50 - Lampholder view of XF091408, 430090129693; XF091408C, 430090129701;

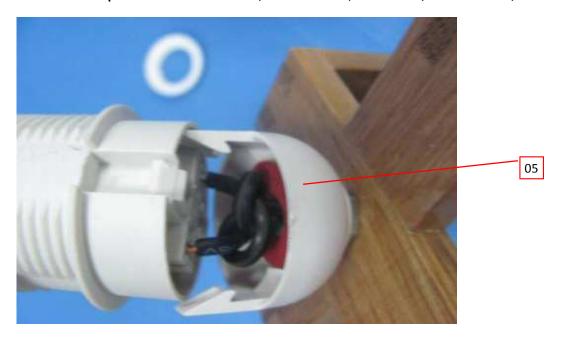


Photo 51 - External view of XF091407, 420090127382; XF091407C, 420090127390



Photo 52 - Base view of XF091407, 420090127382; XF091407C, 420090127390

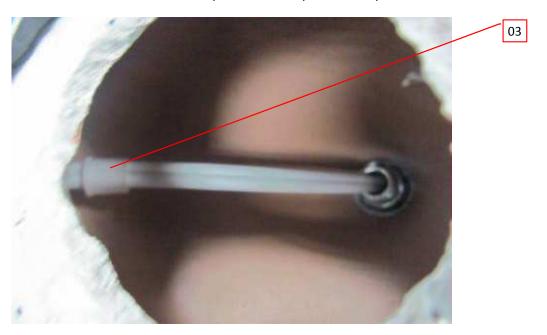


Photo 53 - lampholder view of XF091407, 420090127382; XF091407C, 420090127390



Photo 54 - External view of XF151101, 420090391368; XF151101C, 420090391640



Photo 55 - Base view of XF151101, 420090391368; XF151101C, 420090391640

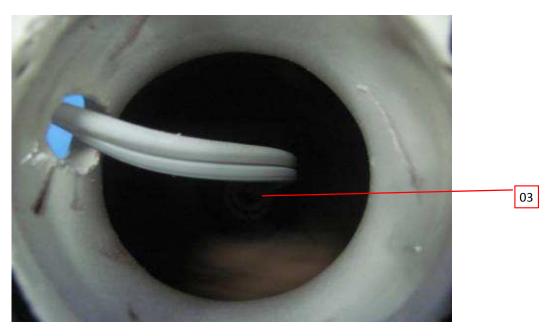


Photo 56 - Base view of XF151101, 420090391368; XF151101C, 420090391640



Photo 57 - External view of XF151013, 430090170531; XF151013C, 430090170556

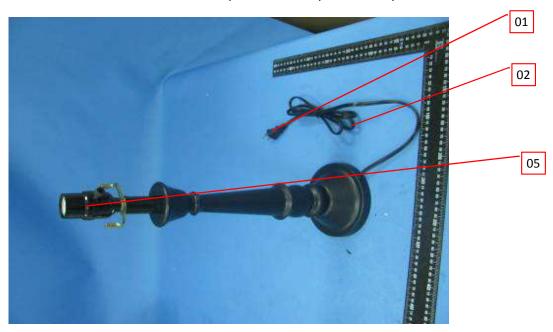


Photo 58 - Baseview of XF151013, 430090170531; XF151013C, 430090170556



4.0 (	4.0 Critical Components							
Photo #	Item no.1	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>		
2, 11, 17, 22, 26,	1, 7, 2, 6, 1, 5, 1,	Plug	JIANGXI KUNCHENG WIRE & CABLE CO LTD	KC-001	10A, 125V	cULus		
31, 36, 40, 43,			KUNSHAN BAIDELI ELECTRONICS CO LTD	BDL-001	10A, 125V	cULus		
45, 49, 51, 54, 57			Anhui Haomin Electric Co Ltd	HM-03	10A, 125V	cULus		
2, 11, 17, 22, 26,		Supply cord	JIANGXI KUNCHENG WIRE & CABLE CO LTD	SPT-2	18AWG, VW-1, 300V, 105°C	cULus		
31, 36, 40, 43,	2		KUNSHAN BAIDELI ELECTRONICS CO LTD	SPT-2	18AWG, VW-1, 300V, 105°C	cULus		
45, 49, 51, 54, 57			Anhui Haomin Electric Co Ltd	SPT-2	18AWG, VW-1, 300V, 105°C	cULus		
3, 11, 17, 37, 41, 43, 46, 52, 55, 58	3	Bushing	HEAVY POWERCO LTD	4N-4	94V-2	cURus		
4	4	lamp shade	CHI MEI CORPORATION	PA-760A(+)	V-2, Min thk 2mm	cURus		

4.0 (	4.0 Critical Components							
Photo #	Item no.1	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>		
5, 13, 18, 33, 38, 41, 44, 47, 50, 53, 56,	5	Lampholder (E26)	ZHONGSHAN CITY HENGLAN TOWN RUICHENGHOME ELECTRIC APPLIANCE  YahFei Electric Lighting Co.Ltd  RICH BRAND INDUSTRIES LIMITED	E26-RC21 E26-RC22 E26-RC23 E26-RC24 E26-S1A E26-51A E26-51C YF-604 YF-608-1-A YF-608-2R YF-608-3A YF 608-4-A WA-021 C-12 WA-203 WA-202 WA-208 WA-210 WA-217	250W, 250V 250W, 250V 250W, 250V 250W, 250V 250W, 250V 250W, 250V 250W, 250V 660W 250V. 250W, 250V 660W 250V 660W 250V 660W 250V 660W 250V 660W 250V. 250W, 250V 250W, 250V	cULus		
23, 30	6	Lampholder (E12)	ZHONGSHAN CITY HENGLAN TOWN RUICHENG HOME ELECTRIC APPLIANCE FITTING Zhongshan	E12-105 E12-205	75W, 125V, 105°C 75W, 125V, 105°C	cULus		
			Jiazhan elec.co.Ltd	E12	75W, 125V, 105°C			
			YahFei Electric Lighting Co.Ltd	YF-212	75W, 125V, 105°C	-		
			INDUSTRIES LIMITED	E12H-A	75W, 125V, 105°C			
				SL-12	75W, 125V, 105°C			
8	7	Glass sleeving	Various	Various	Min.thickness:0.25mm	NR		
22, 26, 49	8	Swtich	DONGGUAN XIANGHUI ELEC ENGINEERING MATERIAL CO LTD	XH-06C	6A 120VAC	- cURus		
			Ting sheng industrial co ltd	TS-09C	6A 120VAC			
			Foshan shande Ojun Electrical Co ,Ltd	OJ-09C	6A 120VAC			
28	9	Connector	HEAVY POWERCO LTD	PA-CE2; PA-CE5	VW-1, 125°C, 300V	cURus		

4.0 Critical Components Photo # Manufacturer/ Mark(s) of Item Technical data and securement Type / model<sup>2</sup> Name no.1 trademark<sup>2</sup> means conformity<sup>3</sup> SHENZHEN Heat-shrinkable WOLIDA 10 28 RSFR-H cURus 600V, 125°C tube TRADING CO LTD DONGGUAN YUE YANG WIRE & 1015 18AWG, VW-1, 600V, 105°C cURus CABLE CO LTD 14 11 Internal wire JIANGXI KUNCHENG WIRE & CABLE 1015 18AWG, VW-1, 600V, 105°C cURus CO LTD NINGBO WEIXING TYD 27 Electric motors **ELECTRIC** 120V 60Hz 30r/min cURus **APPLIANCE** TOOLS CO LTD SHANGHAI QIAOPU WIRE & Electric motors 1007 AWM 22AWG 300V 80°C 27 13 cURus CABLE CO wire LTD 25 14 Enclosure Qimei PH-874A V-2, Min thk 1mm cURus Suitable for aluminium surface; Label material Max. Temp: 100°C; Min. Temp: Various 1 15 Various cURus (Not shown) -10°C; Affix to enclosure; For indoor use.

#### NOTES:

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<sup>1)</sup> Not all item numbers are indicated (called out) in the photos, as their location is obvious.

<sup>2) &</sup>quot;Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

<sup>3)</sup> Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

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## 5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

#### 6.0 Critical Features

<u>Recognized Component</u> - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

<u>Listed Component</u> - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

<u>Unlisted Component</u> - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

<u>Critical Features/Components</u> - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

<u>Construction Details</u> - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

- 1. <u>Spacing</u> In primary circuits, 6.4 mm minimum spacing are maintained through air and 9.5mm over surfaces of insulating material between current-carrying parts of opposite polarity and between such current-carrying parts and dead-metal parts.
- Mechanical Assembly Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
- 3. <u>Corrosion Protection</u> All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
- 4. <u>Accessibility of Live Parts</u> All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
- 5. Grounding This product is not provided with a means of grounding as it is not required in standard.
- 6. <u>Schematics</u> Refer to Illustration 3 schematics requiring verification during Field Representative Inspection Audits.
- 7. Markings The product is is indelibly printed on the enclosure as follows:
  - the manufacturer's identification; the rated voltage or voltage range; and electrical ratings (volts, amperes & frequency), refer to ILL.1
- 8. <u>Installation, Operating and Safety Instructions</u> Instructions for installation and use of this product are provided by the manufacturer, refer to ILL.2.

## 7.0 Illustrations

## Illustration 1 - Label (as representative)



#### Label A

#### Note:

1, Label A was attached on outer surface of the enclosure, ETL logo shall be at least 8 mm high. "US" should be at least 2mm high. "Intertek" shall be at least 3mm high, The control No. shall be at least 2mm high. other letters shall be 1.6mm high. "Date" is the manuafacturing date code.

#### Illustration 2 - Instruction

The instruction shall include the following information:

Instructions for proper assembly. The instructions shall describe a method of assembling the lamp that does not introduce a risk of fire, electric shock, or injury to persons during or after its assembly. Other warning that will not lead to misuse.

#### Note:

Both English and French instructure should be provided.

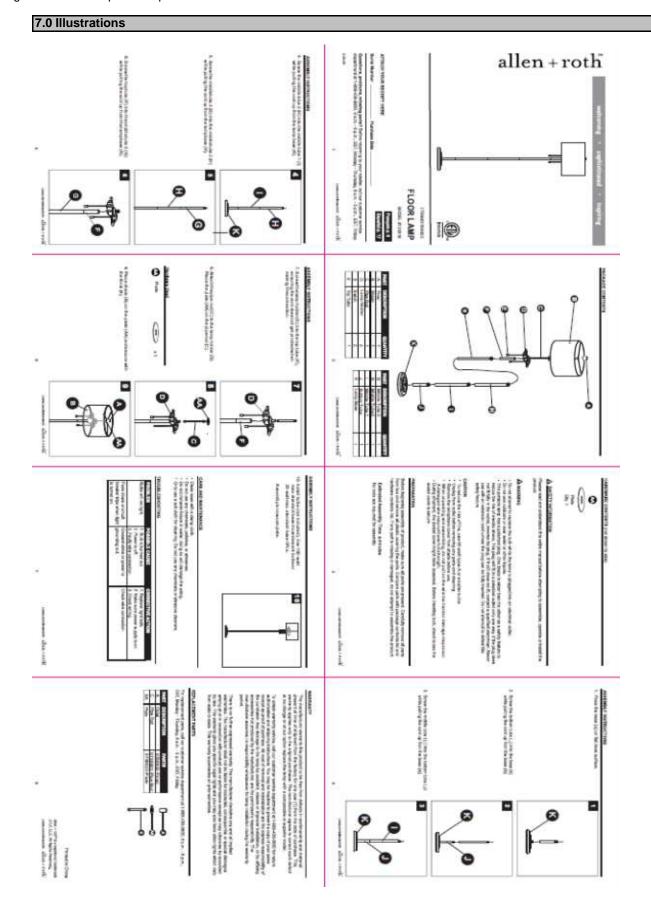
## Illustration 3 - See below for details.

CAUTION - RISK OF FIRE, USE 150 WATT OR SMALLER, TYPE A ⊌ BULB. ATTENTION - RISQUE D'INCENDIE. UTILISEZ DES AMPOULES A \$\infty\$150WATT OU PLUS FAIBLE. MADE IN CHINA / FABRIQUÉ EN CHINE

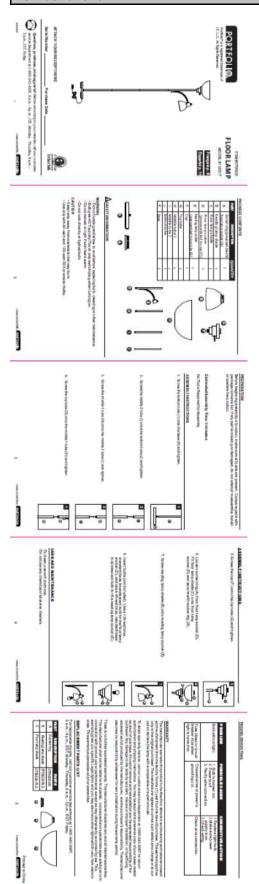
CAUTION - RISK OF FIRE, USE 25 WATT OR SMALLER, TYPE T W BULB. ATTENTION - RISQUE D'INCENDIE. UTILISEZ DES AMPOULES T 3 25 WATT OU PLUS FAIBLE. MADE IN CHINA / FABRIQUÉ EN CHINE

CAUTION: RISK OF FIRE, USE 23 WATT MAX. MEDIU M-BASE CFL BULB ATTENTION: RISQUE D'INCENDIE UTILISEZ UNE AMPOULE FLUOCOMPACTEÀ CULOT MOYEN D' UN MAXIMUM DE 23WATTS MADE IN CHINA / FABRIQUÉ EN CHINE

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# 7.0 Illustrations

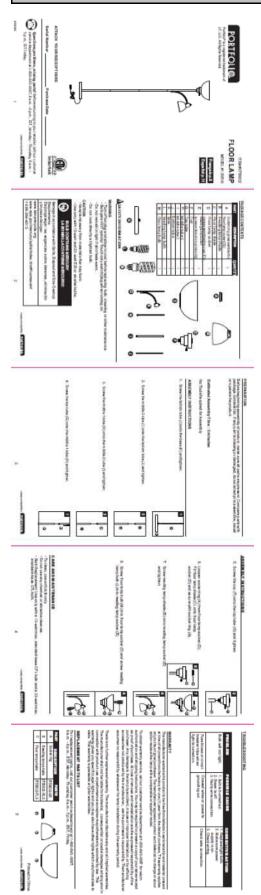


7.0 Illustrations allen + roth

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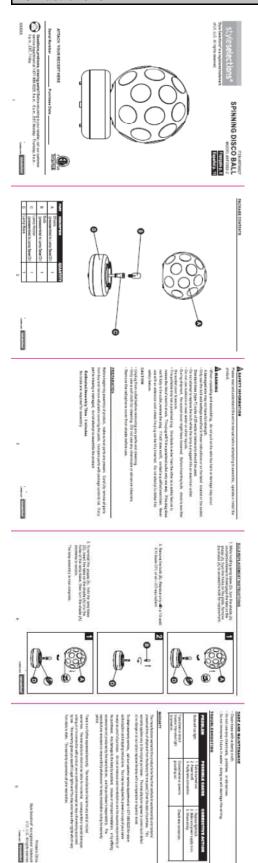


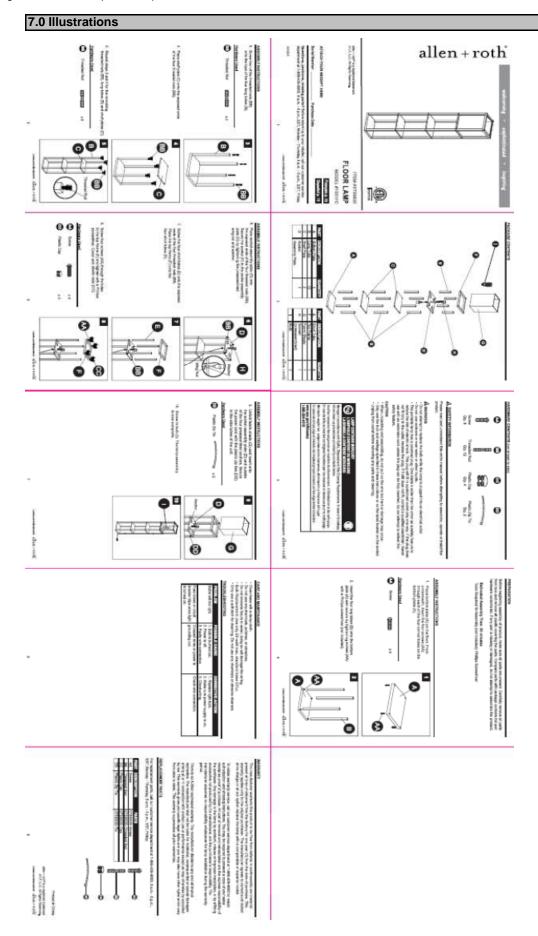
7.0 Illustrations allen + roth FLOOR LAMP 10

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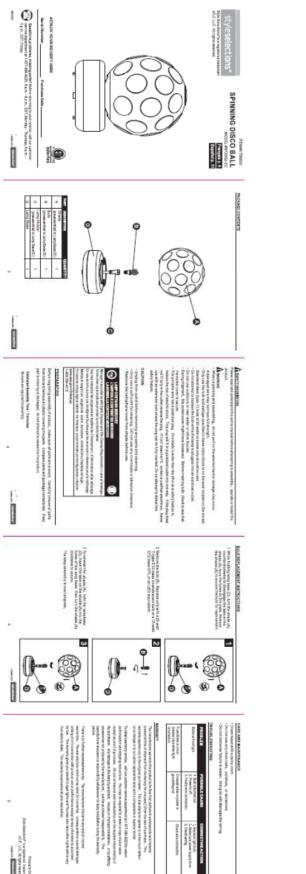
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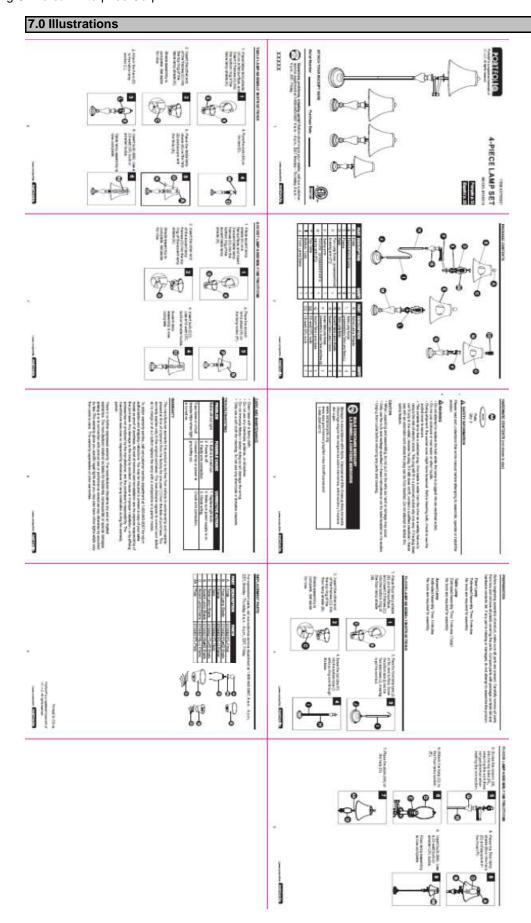
# 7.0 Illustrations





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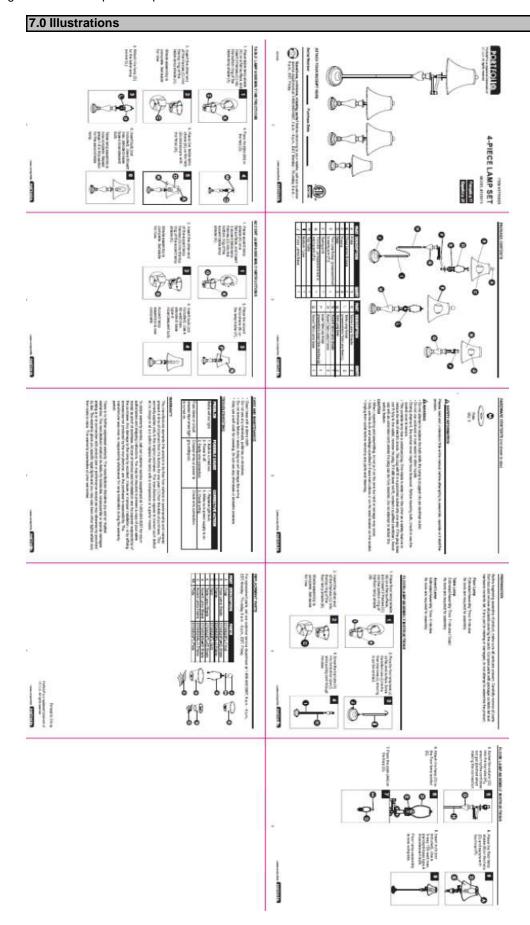




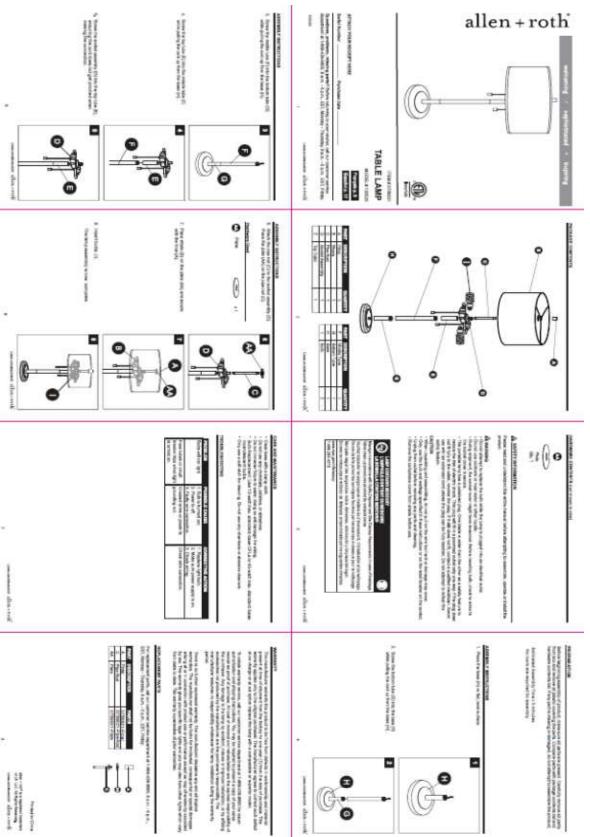
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Issued: 20-Oct-2015 Liting Universal Enterprise Corp. Revised: 23-Dec-2015 8.0 Test Summary Project No. 150800441SHA Evaluation Period 18-Sep-2015 to 20-Oct-2015 0150918-35-001 Sample Rec. Date 18-Sep-2015 Condition Production Sample ID to 010 Test Location Intertek Testing Services Shanghai Limited. Test Procedure Testing Lab Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. The following tests were performed: UL 153 (13th Ed, March | CSA C22.2 No.12-03, 2014) 1982 (R2013) /Clause Test Description /Clause 125-126 Normal temperature test 6.3 Strain relief 133 6.8 Dielectric Voltage test 137 6.15 Leakage Current 6.14 Mechanical Strength 6.16 **Evaluation Period** 1-Dec-2015 to 23-Dec-2015 Project No. 151200033SHA 0151201-25-001 Sample Rec. Date 1-Dec-2015 Condition Production Sample ID to 010 Test Location Intertek Testing Services Shanghai Limited. Test Procedure Testing Lab Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. The following tests were performed:

	03, 2014)	(Issued: 1982/02/01 Ed: 4 (R2013))
Test Description	/Clause	/Clause
Normal temperature test	125-126	6.3
Strain relief	133	6.8
Dielectric Voltage test	137	6.15
Leakage Current		6.14
Mechanical Strength		6.16

# 8.1 Signatures

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.

Completed by:	Steven Zong	Reviewed by:	Vens Zhu	
Title:	Certification Engineer	Title;	Reviewer	
Signature:	92 Zu	Signature:	Und.	

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program. Liting Universal Enterprise Corp. **BASIC LISTEE** 3/F,NO.1525 Cao'An Road, Jiading Address District, Shanghai P.R.CHINA Country Portable Luminaire Product MULTIPLE LISTEE 1 None Address Country **Brand Name** ASSOCIATED **MANUFACTURER** Address Country MULTIPLE LISTEE 1 MODELS **BASIC LISTEE MODELS** MULTIPLE LISTEE 2 None Address Country **Brand Name ASSOCIATED** MANUFACTURER Address Country MULTIPLE LISTEE 2 MODELS BASIC LISTEE MODELS MULTIPLE LISTEE 3 None Address Country **Brand Name ASSOCIATED** MANUFACTURER Address Country MULTIPLE LISTEE 3 MODELS **BASIC LISTEE MODELS** 

Issued: 20-Oct-2015

Revised: 23-Dec-2015

#### 10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

### COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

#### LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

**For US standards**, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

**For Canadian standards**, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use. The facsimile need not have a control number. A control number will be issued after signed Certification Agreements have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

### MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

#### FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

- 1. Conformance of the manufactured product to the descriptions in this Report.
- 2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
- 3. Manufacturing changes.
- 4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

- 1. Correct the non-conformance.
- 2. Remove the ETL Mark from non-conforming product.
- 3. Contact the issuing product safety evaluation center for instructions.

# 10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to: Intertek Testing Services Shanghai Limited ETL Component Evaluation Center Building No. 86, 1198 Qinzhou Road (North) Shanghai 200233, China

Attn: Ms. Dansy Xu

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return <u>must</u> accompany the initial component shipment.

# 11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

## **Required Tests**

Dielectric Voltage Withstand Test Polarity Test

# 11.1 Dielectric Voltage Withstand Test

### Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contractors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

### Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 a voltmeter in the primary circuit;
- 2 a selector switch marked to indicate the test potential; or
- 3 a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:		
<u>Product</u>	Test Voltage	Test Time
All products covered by this Report.	1000V	60 s
	or	
	1200V	1 s

### **11.2 POLARITY TEST**

#### Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

Each product listed below shall be checked as routine production-line test to verify that there is electrical continuity between the grounded supply-circuit conductor of the attachment plug - wide blade of a 2-wire type - and the part of the product that is intended to be connected to the grounded supply-circuit conductor of the attachment plug (for example, screw shell of an incandescent lampholder).

The continuity shall be determined either visually or through the use of an electrical test. Equivalently, continuity is able to be verified between the ungrounded supply-circuit conductor of the attachment plug and the part of the product that is intended to be connected to the ungrounded conductor (for example, the center contact of an incandescent lampholder).

## Test Equipment

A visual or electrical test (ohmmeter, buzzer, etc.) may be used to indicate the continuity.

## **Products Requiring polarity Test**

### **Product**

All products covered by this Report.

## **Products Requiring Grounding Continuity Test:**

At least Once per quarter for all products covered by this report.

<u>Test location</u> <u>Allowable value</u>

Between the point of grounding means and any dead metal part < 0.10 ohm

<b>12.0 Revision Summary</b> The following changes are in compliance with the declaration of Section 8.1:						
Date/	Project Handler/	l a la				
Proj # Site ID	Reviewer	Section	Item	Description of Change		
23-Dec-2015	Steven Zong / كمر Vens Zhụ	P11		Added new revise date: 23-Dec-2015.		
151200033S HA	Uss.	2	-	Added new Models and Model Similarity: XF151013, 430090170531; XF151013C, 430090170556; XF150515, 430090012675; XF150515C, 430090127713; XF151014, 500090000704; XF151014C, 500090000480; XF091408, 430090129693; XF091408C, 430090129701; XF091411, 500090000985; XF091411C, 500090000977; XF151101, 420090391368; XF151101C, 420090391640; XF091407, 420090127382; XF091407C, 420090127390; 120527, 0758071		
		3	35-58	Added new photos for new models: XF151013, 430090170531; XF151013C, 430090170556; XF150515, 430090012675; XF150515C, 430090127713; XF151014, 500090000704; XF151014C, 500090000480; XF091408, 430090129693; XF091408C, 430090129701; XF091411, 500090000985; XF091411C, 500090000977; XF151101, 420090391368; XF151101C, 420090391640; XF091407, 420090127382; XF091407C, 420090127390; 120527, 0758071.		
		4	1, 2, 3, 5, 8	Updated Components List for new models: XF151013, 430090170531; XF151013C, 430090170556; XF150515, 430090012675; XF150515C, 430090127713; XF151014, 500090000704; XF151014C, 500090000480; XF091408, 430090129693; XF091408C, 430090129701; XF091411, 500090000985; XF091411C, 500090000977; XF151101, 420090391368; XF151101C, 420090391640; XF091407, 420090127382; XF091407C, 420090127390; 120527, 0758071.		
		8	-	Added new Test Summary for new models: XF151013, 430090170531; XF151013C, 430090170556; XF150515, 430090012675; XF150515C, 430090127713; XF151014, 500090000704; XF151014C, 500090000480; XF091408, 430090129693; XF091408C, 430090129701; XF091411, 500090000985; XF091411C, 500090000977; XF151101, 420090391368; XF151101C, 420090391640; XF091407, 420090127382; XF091407C, 420090127390; 120527, 0758071.		
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