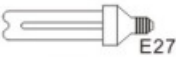







<b>TEST REPORT</b> <b>IEC 60598-2-4</b> <b>Luminaires - Part 2: Particular requirements –</b> <b>Section 4: Portable general purpose luminaires</b>	
<b>Report Number</b> .....	NBES150900111002
<b>Date of issue</b> .....	2015-09-29; Modification No. 1: 2016-07-12
<b>Total number of pages</b> .....	8
<b>Applicant's name</b> .....	Ningbo BEC Lighting Co., Ltd.
<b>Address</b> .....	Sanbei Industrial Zone, Cixi, Ningbo, Zhejiang, China
<b>Test specification:</b>	
<b>Standard</b> .....	EN 60598-2-4:1997 EN 60598-1:2015
<b>Test procedure</b> .....	CE_LVD
<b>Non-standard test method</b> .....	N/A
<b>Test Report Form No.</b> .....	IEC60598_2_4C
<b>Test Report Form(s) Originator</b> ....	UL (US)
<b>Master TRF</b> .....	2014-07
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<b>General disclaimer:</b>	
<p>The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.</p>	
<b>Test item description</b> .....	Portable luminaire (Outdoor PE floor lamps)
<b>Trade Mark</b> .....	BEC
<b>Manufacturer</b> .....	Same as applicant
<b>Model/Type reference</b> .....	303235-F-A, 303235-F-D, 303235-T-A, 303235-T-D, 303236-F-A, 303236-F-D, 303236-T-A, 303236-T-D, <b>303235-F, 303235-T, 303236-F, 303236-T, 303239-F, 303239-T, 303240-F, 303240-T</b>
<b>Ratings</b> .....	220 V – 240 V; 50 Hz, Max. 23 W with compact fluorescent lamp, IP64, Class II

<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>	
<input checked="" type="checkbox"/> <b>Testing Laboratory:</b>	SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch
<b>Testing location/ address.....:</b>	1-5/F West No. 4 Building, Lingyun Industry Park, No. 1177, Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, Zhejiang, China
<input type="checkbox"/> <b>Associated Testing Laboratory:</b>	
<b>Testing location/ address.....:</b>	
<b>Tested by (name, function, signature).....:</b>	Kevin Wang / Jone Xu <i>Kevin Wang Jone Xu</i>
<b>Approved by (name, function, signature)....:</b>	Leo Du <i>Leo Du</i>
<hr/>	
<input type="checkbox"/> <b>Testing procedure: TMP/CTF Stage 1:</b>	N/A
<b>Testing location/ address.....:</b>	
<b>Tested by (name, function, signature).....:</b>	
<b>Approved by (name, function, signature)....:</b>	
<hr/>	
<input type="checkbox"/> <b>Testing procedure: WMT/CTF Stage 2:</b>	N/A
<b>Testing location/ address.....:</b>	
<b>Tested by (name + signature).....:</b>	
<b>Witnessed by (name, function, signature) .:</b>	
<b>Approved by (name, function, signature)....:</b>	
<hr/>	
<input type="checkbox"/> <b>Testing procedure: SMT/CTF Stage 3 or 4:</b>	N/A
<b>Testing location/ address.....:</b>	
<b>Tested by (name, function, signature).....:</b>	
<b>Witnessed by (name, function, signature) .:</b>	
<b>Approved by (name, function, signature)....:</b>	
<b>Supervised by (name, function, signature) :</b>	



<p><b>List of Attachments (including a total number of pages in each attachment):</b>          This Amendment to the original report Ref. No. NBES140200008201 Contains:          1. Test report – 8 Pages.          2. Attachment A – Photo documentation –attachment 4 pages</p>	
<p><b>Summary of testing:</b></p>	
<p><b>Tests performed (name of test and test clause):</b>          6° stability test and 15° stability test were performed on the model 303236-F.</p>	<p><b>Testing location:</b>          Refer to p.2</p>
<p><b>Summary of compliance with National Differences:</b>          - List of countries addressed: N/A          - EU Group Differences: Yes          The product fulfils the above requirements.          EN 60598-2-4: 1997          EN 60598-1: 2015</p>	
<p><b>Copy of marking plate:</b>  <b>The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.</b></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Model No.: 303236-T-D  E27              220-240V ~ 50Hz Max.23W     IP64              Ningbo BEC Lighting CO.,LTD</p> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Manufacturer: Ningbo BEC Lighting Co., Ltd.              Postal address: Sanbei Industrial Zone, Cixi, Ningbo, Zhejiang, China              Importer name:              Postal address</p> </div>	
<p>Copy of marking plates for other models were the same as above ones except for model names and ratings.</p> <p>Note:          1. As declared by the applicant, the importer's name, registered trade name or registered trade mark and the postal address were not decided at the time of application, but will be marked on the products before being place on the market. The contact details shall be in a language easily understood by end-users and market surveillance authorities.          2. Marking on the packaging or in a document accompanying the electrical equipment is only acceptable if it is not possible to place such markings on the product.</p>	

<b>Test item particulars</b> .....: Portable luminaire (Outdoor PE floor lamps)																	
<b>Classification of installation and use</b> .....: Portable appliance																	
<b>Supply Connection</b> .....: Plug																	
.....:																	
<b>Possible test case verdicts:</b>																	
- test case does not apply to the test object.....: N/A																	
- test object does meet the requirement.....: P (Pass)																	
- test object does not meet the requirement.....: F (Fail)																	
<b>Testing</b> .....:																	
<b>Date of receipt of test item</b> .....: 2015-09-02; 2016-07-08																	
<b>Date (s) of performance of tests</b> .....: 2015-09-02 to 2015-09-29; 2016-07-08 to 2016-07-12																	
<b>General remarks:</b>																	
<p>"(See Annex #)" refers to additional information appended to the report.          "(See appended table)" refers to a table appended to the report.  <b>Throughout this report a comma point is used as the decimal separator.</b>          This document is issued by the company under its General Conditions of Service accessible at <a href="http://www.sgs.com/terms_and_conditions.htm">http://www.sgs.com/terms_and_conditions.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated: (a) the results shown in this document refer only to the sample(s) tested and (b) such sample(s) are retained for 3 months. This document cannot be reproduced except in full, without prior approval of the company.</p>																	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC60598-2-40:</b>																	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided .....:	<input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>Not applicable</b>																
<b>When differences exist; they shall be identified in the General product information section.</b>																	
<b>Name and address of factory (ies)</b> .....: Same as applicant																	
<b>General product information:</b>																	
There were 8 models in the report. They shared same circuit diagram and similar construction. Details see photo documentation and below table.																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Model</th> <th style="width: 25%;">Lamp cover</th> <th style="width: 25%;">Table or Floor</th> <th style="width: 25%;">Support</th> </tr> </thead> <tbody> <tr> <td>303236-T-D</td> <td>cylinder</td> <td>table</td> <td>crossed</td> </tr> <tr> <td>303236-F-D</td> <td>cylinder</td> <td>floor</td> <td>crossed</td> </tr> <tr> <td>303236-T-A</td> <td>cylinder</td> <td>table</td> <td>pivoted</td> </tr> </tbody> </table>		Model	Lamp cover	Table or Floor	Support	303236-T-D	cylinder	table	crossed	303236-F-D	cylinder	floor	crossed	303236-T-A	cylinder	table	pivoted
Model	Lamp cover	Table or Floor	Support														
303236-T-D	cylinder	table	crossed														
303236-F-D	cylinder	floor	crossed														
303236-T-A	cylinder	table	pivoted														

303236-F-A	cylinder	floor	pivoted
303235-T-D	trapezoid	table	crossed
303235-F-D	trapezoid	floor	crossed
303235-T-A	trapezoid	table	pivoted
303235-F-A	trapezoid	floor	pivoted

**Modification 1 Report: NBES150900111002**

The original Test Report Ref. No. NBES150900111001, dated 2015-09-29 were modified on 2016-07-12 to include the following changes and additions, which were considered technical modification.

1. The 8 new models (303235-F, 303235-T, 303236-F, 303236-T, 303239-F, 303239-T, 303240-F, 303240-T) were added in the report.

They shared same circuit diagram and similar construction with the original models except for the appearance.

Model	Lamp cover	Table or Floor	Support
303235-T	cylinder	table	pivoted
303235-F	cylinder	floor	pivoted
303236-T	cylinder	table	pivoted
303236-F	cylinder	floor	pivoted
303239-T	trapezoid	table	pivoted
303239-F	trapezoid	floor	pivoted
303240-T	trapezoid	table	pivoted
303240-F	trapezoid	floor	pivoted

2. Alternative plug and power cords (plug and power cord for all models: Ningbo Linsheng: LA016B, H05RN-F; plug for all models: Ningbo Qiaopu: D02-F; Shanyu Jintao: JT002-F; power cord for all models: Ningbo Liansheng, H05RN-F) which were certified and used within their specified ratings were listed. See updated annex 1.

3. The requirements of Low Voltage Directive 2014/35/EU were evaluated. Modified labels added.

After review, partial tests were performed on samples, see “Summary of testing”.

This Amendment is not valid without the original Test Report Ref. No.NBES150900111001.

IEC 60598-2-4			
Clause	Requirement + Test	Result - Remark	Verdict
<b>4.6 (4)</b>	<b>CONSTRUCTION</b>		
4.6.3 (-)	Stability (6°)		P
<b>4.12 (12)</b>	<b>ENDURANCE TEST AND THERMAL TEST</b>		
4.12 (-)	Test overturned position (overturns < 15°)		P

IEC 60598-2-4			
Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>	
Plug	C	Ningbo Yaoyang Electron Cable Co., Ltd.	YY-2A	250 V~, 16 A, 2P, IP 44	DIN VDE 0620-1	VDE* (40024161)	
<b>(Alternative)</b>	<b>D</b>	<b>Ningbo Qiaopu Electric Co., Ltd.</b>	<b>D02-F</b>	<b>250 V~, 16 A, 2P, IP 44</b>	<b>DIN VDE 0620-1</b>	<b>VDE* (40003058)</b>	
(Alternative)	D	Shangyu Jintao Electron Co., Ltd.	JT003-F	250 V~, 16 A, 2P, IP 44	DIN VDE 0620-1	VDE* (40023469)	
<b>(Alternative)</b>	<b>D</b>	<b>Shangyu Jintao Electron Co., Ltd.</b>	<b>JT002-F</b>	<b>250 V~, 16 A, 2P, IP 44</b>	<b>DIN VDE 0620-1</b>	<b>VDE* (40023910)</b>	
(Alternative)	D	Shanghai Chuangqi Cable Co., Ltd.	CQ-02	250 V~, 16 A, 2P, IP 44	DIN VDE 0620-1	VDE* (40026354)	
<b>(Alternative)</b>	<b>D</b>	<b>Ningbo Linsheng Electric Co., Ltd.</b>	<b>LA016B</b>	<b>250 V~, 16 A, 2P, IP 44</b>	<b>DIN VDE 0620-1</b>	<b>VDE* (40005775)</b>	
Supply cord	C	Ningbo Yaoyang Electron Cable Co., Ltd.	H05RN-F	2 X 1,0 mm <sup>2</sup>	EN 50525-2-21	VDE* (40013636)	
(Alternative)	D	Shangyu Jintao Electron Co., Ltd.	H05RN-F	2 X 1,0 mm <sup>2</sup>	EN 50525-2-21	VDE* (40018106)	
(Alternative)	D	Shanghai Chuangqi Cable Co., Ltd.	H05RN-F	2 X 1,0 mm <sup>2</sup>	EN 50525-2-21	VDE* (40025408)	
<b>(Alternative)</b>	<b>D</b>	<b>Ningbo Linsheng Electric Co., Ltd.</b>	<b>H05RN-F</b>	<b>2 x 1,0 mm<sup>2</sup></b>	<b>EN 50525-2-21</b>	<b>VDE* (40027485)</b>	
<b>(Alternative)</b>	<b>D</b>	<b>Ningbo Liansheng Wire &amp; cable Co., Ltd.</b>	<b>H05RN-F</b>	<b>2 x 1,0 mm<sup>2</sup></b>	<b>EN 50525-2-21</b>	<b>VDE* (40033764)</b>	
E27 lampholder	C	Yarncin Lighting Technology Co., Ltd.	YX78F	250 V~, 4 A, T 210°C	DIN VDE 0616-1 EN 60238	VDE* (40013631)	
(Alternative)	D	Kangrong Fine Ceramic Co., Ltd.	K327K	250 V~, 4 A, T 210°C	DIN VDE 0616-1 EN 60238	VDE* (40028752)	
Lamp cover	C	Ningbo BEC Lighting Co., Ltd.	PP	Min. 1,1 mm	EN 60598-2-4 EN 60598-1	Tested with appliance	
Heating shrinkable tube	C	Shenzhen Woer Heat-Shrinkable Material Co., Ltd.	RSFR-H	600 V, 125 °C	EN 60598-2-4 EN 60598-1	UL* (E203950)+ tested with appliance	

IEC 60598-2-4			
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:  
 Remark: The supply socket-outlet arrangement is required to provide the appropriate protection for the plug used together with relevant portable luminaire.  
 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.  
 The codes above have the following meaning:  
 A - The component is replaceable with another one, also certified, with equivalent characteristics  
 B - The component is replaceable if authorised by the test house  
 C - Integrated component tested together with the appliance  
 D - Alternative component

--- End of test report---



Attachment A  
Photo documentation  
Portable luminaire  
303235-F, 303235-T, 303236-F, 303236-T, 303239-F, 303239-T, 303240-F, 303240-T

Report No.: NBES150900111002

Detail of: 303235-F

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Detail of: 303235-T

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Attachment A  
Photo documentation  
Portable luminaire  
303235-F, 303235-T, 303236-F, 303236-T, 303239-F, 303239-T, 303240-F, 303240-T

Report No.: NBES150900111002

Detail of: 303236-F



Detail of: 303236-T



Attachment A  
Photo documentation  
Portable luminaire  
303235-F, 303235-T, 303236-F, 303236-T, 303239-F, 303239-T, 303240-F, 303240-T

Report No.: NBES150900111002

Detail of: 303239-F

<p>View:</p> <p><input checked="" type="checkbox"/> general</p> <p><input type="checkbox"/> front</p> <p><input type="checkbox"/> rear</p> <p><input type="checkbox"/> right</p> <p><input type="checkbox"/> left</p> <p><input type="checkbox"/> top</p> <p><input type="checkbox"/> bottom</p>		
--	---	--

Detail of: 303239-T

<p>View:</p> <p><input checked="" type="checkbox"/> general</p> <p><input type="checkbox"/> front</p> <p><input type="checkbox"/> rear</p> <p><input type="checkbox"/> right</p> <p><input type="checkbox"/> left</p> <p><input type="checkbox"/> top</p> <p><input type="checkbox"/> bottom</p>		
--	--	--

Attachment A  
Photo documentation  
Portable luminaire  
303235-F, 303235-T, 303236-F, 303236-T, 303239-F, 303239-T, 303240-F, 303240-T

Report No.: NBES150900111002

Detail of: 303240-F



Detail of: 303240-T

