



**TEST REPORT**  
**IEC 60598-2-18**  
**Luminaires**  
**Part 2: Particular requirements**  
**Section 18: Luminaires for swimming pools**  
**and similar applications**

**Report Number** .....: SHES190101045002

**Date of issue** .....: 2019-12-27

**Total number of pages** .....: 6

**Name of Testing Laboratory preparing the Report**.....: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

**Applicant's name**.....: Bestway (Hongkong) International Ltd.

**Address** .....: Suite 713, 7/Floor, East Wing, Tsim Sha Tsui Centre, 66 Mody Road, Kowloon, Hongkong

**Test specification:**

**Standard**.....: IEC 60598-2-18:1993/AMD1:2011 used in conjunction with IEC 60598-1:2014

**Test procedure** .....: SGS CSTC

**Non-standard test method**.....: N/A

**Test Report Form No**.....: IEC60598\_2\_18D

**Test Report Form(s) Originator**.....: Intertek Semko AB

**Master TRF** .....: 2017-02

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**General disclaimer:**

The test results presented in this report relate only to the object tested.

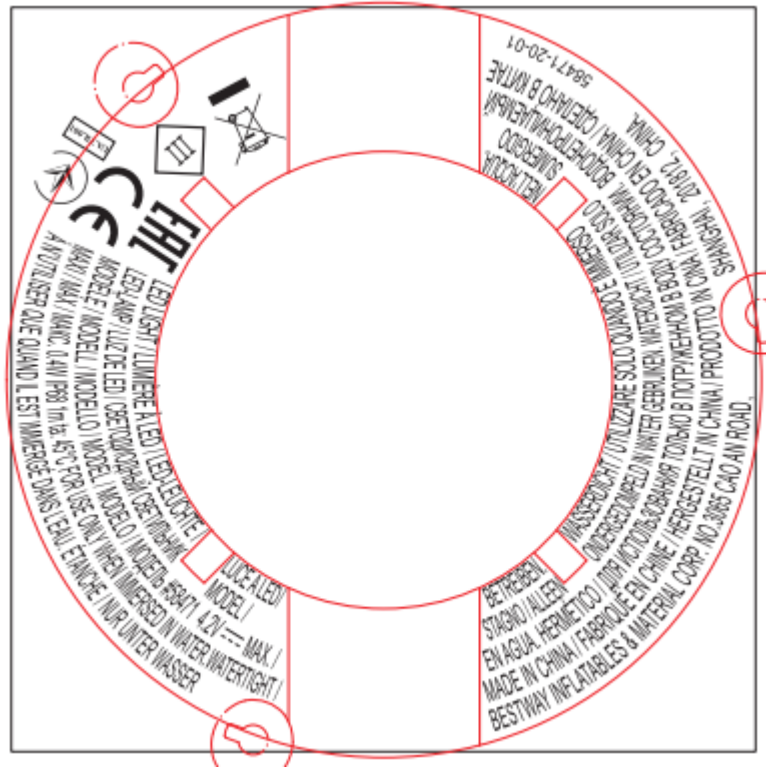
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<b>Test item description .....</b>	LED Light	
<b>Trade Mark .....</b>	-	
<b>Manufacturer .....</b>	Same as applicant	
<b>Model/Type reference .....</b>	58471, 60302	
<b>Ratings .....</b>	4,2 V; Max. 0,4 W; IP68 (1m); ta: 45 °C; Class III	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
<b>Testing location/ address .....</b>		588 West Jin Road, Xinciao, Songjiang, 201612 Shanghai, China.
<b>Tested by (name, function, signature) .....</b>		Lisa Li 
<b>Approved by (name, function, signature) ...:</b>		Henry HU 02
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Approved by (name, function, signature) ...:</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<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>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<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>		

<b>List of Attachments (including a total number of pages in each attachment):</b> None	
<b>Summary of testing:</b>	
<b>Tests performed (name of test and test clause):</b> None	<b>Testing location:</b> SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China
<b>Summary of compliance with National Differences:</b> <b>List of countries addressed</b> European Group Differences: Yes  <input checked="" type="checkbox"/> <b>The product fulfils the requirements of</b> EN 60598-2-18: 1994 + A1: 2012 EN 60598-1: 2015 EN 62493: 2015	

**Copy of marking plate:**

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective National Certification Body that own these marks.



<b>Test item particulars .....</b>	
<b>Classification of installation and use .....</b> Use only when immersed in water	
<b>Supply Connection .....</b> .....	
<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> 2019-01-25	
<b>Date (s) of performance of tests .....</b> 2019-01-25 to 2019-02-26	
<b>General remarks:</b>	
<p>"(See Enclosure #)" refers to additional information appended to the report.  "(See appended table)" refers to a table appended to the report.</p> <p><b>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</b></p> <p>Clause numbers between brackets refer to clauses in IEC 60598-1</p> <p>This document is issued by the Company subject to its General Conditions of Service, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.</p> <p>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. This document cannot be reproduced except in full, without prior written approval of the Company. 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.</p> <p>Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 1 month only.</p>	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60598-1:</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>	

**Name and address of factory (ies) .....**: Bestway (Nantong) Recreation Corp  
No. 8 Hui Min West Road, Economic Development  
Zoe, Rugao, Jiangsu 226500, P.R.China

**General product information:**

The luminaire used only when immersed in water, it is supplied by water pressure.

**Amendment 1 Report (SHES190101045002)**

The original Test Report Ref. No. SHES190101045001 dated 2019-02-28, was modified on 2019-12-27 to include the following changes, which were considered technical modification:

1. Added alternative model 60302

The added model was same as model 58471, the difference is only model name.

After review, no test was considered necessary.

-End of Report-