

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                     |            |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>CN25POOO 001</b>                                                                | <b>Auftrags-Nr.:</b><br><i>Order no.:</i>                                           | 170424929  | Seite 1 von 4<br>Page 1 of 4 |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   | N/A                                                                                | <b>Auftragsdatum:</b><br><i>Order date:</i>                                         | 2025.07.15 |                              |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                        | Waldemar Behn GmbH /<br>Kadekerweg 2, Eckernförde, Germany                         |                                                                                     |            |                              |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                   | LED Club Light                                                                     |                                                                                     |            |                              |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                            | 066660-D                                                                           |                                                                                     |            |                              |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                              | Reaction to fire test                                                              |                                                                                     |            |                              |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | DIN 4102-1:1998 Class B1                                                           |                                                                                     |            |                              |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                  | 2025.07.15                                                                         |  |            |                              |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                             | A004043085-001                                                                     |                                                                                     |            |                              |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                | 2025.07.21 – 2025.08.07                                                            |                                                                                     |            |                              |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | Guangzhou                                                                          |                                                                                     |            |                              |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                        | TÜV Rheinland<br>(Guangdong) Ltd.                                                  |                                                                                     |            |                              |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pass                                                                               |                                                                                     |            |                              |
| <b>geprüft von:</b><br><i>tested by:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u>X</u>                                                                           | <b>genehmigt von:</b><br><i>authorized by:</i>                                      | <u>X</u>   |                              |
| <b>Datum:</b><br><i>Date:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2025.08.08                                                                         | <b>Ausstellungsdatum:</b><br><i>Issue date:</i>                                     | 2025.08.08 |                              |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Test Engineer                                                                      | <b>Stellung / Position:</b>                                                         | Reviewer   |                              |
| <b>Sonstiges /</b><br><i>Other:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                           | Supplier Art. No.: LS012025<br>Country of destination: Germany                     |                                                                                     |            |                              |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                        | Prüfmuster vollständig und unbeschädigt<br><i>Test item complete and undamaged</i> |                                                                                     |            |                              |
| <p>* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet<br/>         * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>                                                                                                                                                                     |                                                                                    |                                                                                     |            |                              |
| <p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br/> <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p> |                                                                                    |                                                                                     |            |                              |

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**Anmerkungen**  
*Remarks*

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>                                                                                                                                                                                                                                                                                       |

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**Produktbeschreibung**  
Product description

|   |                                                           |                                                                                                                                                      |
|---|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Produktdetails</b><br>Product details                  | LED Club Light                                                                                                                                       |
| 2 | <b>Maße / Gewicht</b><br>Dimensions / Weight              | Thickness: 4 mm                                                                                                                                      |
| 3 | <b>Bedienelemente</b><br>Operating elements               | N/A                                                                                                                                                  |
| 4 | <b>Ausstattung / Zubehör</b><br>Equipment / Accessories   | N/A                                                                                                                                                  |
| 5 | <b>Verwendete Materialien</b><br>Used materials           | N/A                                                                                                                                                  |
| 6 | <b>Sonstiges</b><br>Other                                 | Test sample(s), as well sample information, description, product details and intended usage was provided by customer.                                |
| 7 | <b>Prüfmusterbereitstellung:</b><br>Test sample obtaining | <input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group<br><input type="checkbox"/> others: |

Pic. 1: Front view



Pic. 2: Side view



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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks                                                                                                                                                                       | Ergebnis<br>Result                                                                                                                                      |                                               |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| *1               | <b>DIN 4102-1:1998</b><br>Fire behaviour of building materials and elements<br>Part 1: Classification of building materials<br>Requirements and testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>DIN 4102-15:1990</b><br><br>Fire behaviour of building materials and elements<br>'Brandschacht'<br><b>&amp;</b><br><b>DIN 4102-16:1998</b><br>Fire behaviour of building materials and elements<br>Part 16: 'Brandschacht' test | The individual value for the residual length (cm): 62;<br>The mean value for the residual length (cm): 65;<br>The mean effluent temperature (°C): 107.3 | Test result:<br>Pass<br>Classification:<br>B1 |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>DIN 4102-1:1998 Clause 6.2 Class B2 materials</b>                                                                                                                                                                               | Flaming doesn't reach the gage mark (150mm marks) within 20s after flame application                                                                    |                                               |
|                  | <p>DIN 4102-1:1998 Criteria for classification</p> <p>1) All materials, except flooring, may be classed as B1 materials if they meet the following requirements a) and b):</p> <p>a) The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if</p> <ul style="list-style-type: none"><li>– The mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause 9.1 of DIN 4102-16) of each specimen is at least 15 cm and no individual values are lower than 0 cm,</li><li>– The mean effluent temperature does not exceed 200 °C in any test,</li><li>– The requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.</li></ul> <p>b) Pass DIN 4102-1: 1998 sub-clause 6.2.5 Ignitability Test if</p> <p>For each specimen, flaming doesn't reach the gage mark within 20s after flame application.</p> <p>2) Materials may be classed as B2 materials if they pass the ignitability test specified in DIN 4102-1:1998 subclause 6.2.5.</p> <p>For each specimen, flaming doesn't reach the gage mark (150mm marks) within 20s after flame application.</p> <p>Combustible materials which cannot be classed as B1 or B2 materials shall be classed as B3 materials.</p> |                                                                                                                                                                                                                                    |                                                                                                                                                         |                                               |

\*\*\* End of test report \*\*\*