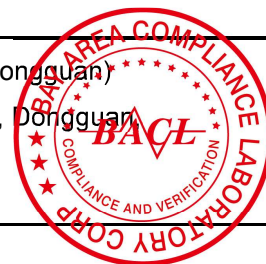


TEST REPORT IEC 62471:2006 and EN 62471:2008 Photobiological safety of lamps and lamp systems	
Report reference No	2602T58190E-SF
Compiled by (+ signature)	Engineer: Max Li <i>MAX Li</i>
Approved by (+ signature)	Team Leader: Harrison Huang <i>Harrison Huang</i>
Date of issue	2026-05-29
Testing laboratory	Bay Area Compliance Laboratories Corp. (Dongguan)
Address	No.12, Pulong East 1 st Road, Tangxia Town, Dongguan, Guangdong, China
Testing location	Same as above
Applicant	Astera LED Technology GmbH
Address	Schatzbogen 60, 81829 Munich, Germany
Standard	IEC 62471:2006 EN 62471:2008
Test sample(s) received.....	2026-05-14
Test in period.....	2026-05-18
Procedure deviation	N.A.
Non-standard test method	N.A.
Type of test object	Titan Tube BTB
Trademark	N.A.
Model/type reference	FP1-BTB
Manufacturer.....	Astera Manufacturing Limited 101, 201, 301, 401, 501, Bldg. 3, CLT Science & Technology Park, No. 7, GanLiliu Road, Jihua subdistrict, Longgang District, Shenzhen, Guangdong Province, P.R. China
Rating	Input: 24VDC, 2.0A, 48W.
Copy of marking plate:	None



Test item particulars :

Tested lamp:Titan Tube BTB
 Tested lamp system:N.A.

Lamp classification group.....:Exempt Group

Lamp cap:N.A.
 Bulb.....:N.A.
 Rated of the lamp:See rating
 Furthermore marking on the lamp.....:N.A.
 Seasoning of lamps according EN standard: No seasoning
 Temperature by measurement.....:24.1°C
 Information for safety use.....:N.A.

Possible test case verdicts:

-test case does not apply to the test object.....:N(.A.)
 -test object does meet the requirement.....:P(ass)
 -test object does not meet the requirement.....:F(all)

General remarks:

The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
 "(See Enclosure #)" refers to additional information appended to the report.
 "(See appended table)" refers to a table appended to the report.
 Throughout this report a point is used as the decimal separator.

Remark:

Appendix A - EUT photos