

TEST REPORT

Report No.: GZES220500867231

Date: 2022-05-18

The following sample(s) was/were submitted and identified on behalf of the client as:

Applicant: Blueview Elec-optic Tech Co., Ltd.
1000, Section 2, 2nd Konggang Road, Southwest Aviation Industrial Development Zone, Chengdu, Sichuan, China

Manufacturer: Same as applicant

Testing location/address: SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
198 Kezhu Road, Science City, Economic & Technology Development Area, Guangzhou, Guangdong, China

The standards: Clause 12.4 of EN IEC 60598-1: 2021

Test item description: Lighting chain (LED strip)

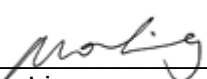
Trade Mark: /

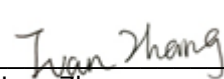
Model/Type reference: FWT-Flex-266-24V

Ratings: Input: DC 24 V; 83,9 W; Ta: 40 °C

Test result: In the opinion of SGS – CSTC the presented appliance was found to be **in compliance with** the test specification as indicated in the details on the following pages.

Remark: Throughout this report a comma is used as the decimal separator.
No decision rule is specified by standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method").


Mon Liang
Reviewer
E&E Safety Laboratory


Ivan Zhang
Project Engineer



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Copy of marking plate	/
Summary of testing: - The test was carried out at 1.0 Un and 1.1 Un according to the client's special requirement. - The submitted sample was found to be in compliance with the clause 12.4 of EN IEC 60598-1 according to the client's requirement.	

Test item particulars	
Equipment mobility.....	Portable
Operating condition.....	Continuous
Class of equipment.....	Class III
Degree of protection	IP20
Mass of equipment.....	/
Supply construction.....	Supply cord
Possible test case verdicts:	
- test case does not apply to the test object	N/A (not applicable)
- test object does meet the requirement.....	P (Pass)
- test object does not meet the requirement.....	F (Fail)
Testing	
Date of receipt of test item	2022-05-11
Date (s) of performance of tests.....	2022-05-11 to 2022-05-16
General product information:	
LED light chain with a non-detachable supply cord, Class III, use for indoor only.	



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Test Results:

IEC / EN IEC 60598-1		
Clause	Remarks	Verdict
12.4 Normal thermal tests	See ANNEX 1	P



SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch, IEC Laboratory

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ANNEX 1: temperature measurements, thermal tests of Section 12

	Type reference	FWT-Flex-266-24V				—	
	Lamp used.....	LED				—	
	Lamp control gear used	—				—	
	Mounting position of luminaire.....	As normal use				—	
	Supply wattage (W)	72,0 / 114,4				—	
	Supply current (A).....	3,0 / 4,33				—	
	Calculated power factor	1,0				—	
	Table: measured temperatures corrected for ta = 40 °C:					P	
	- abnormal operating mode	—				—	
	- test 1: rated voltage	24 V d.c.				—	
	- test 2: 1,1 times rated voltage or 1,05 times rated wattage.....	1,1 x 24 V = 26,4 V d.c.				—	
	- test 3: Load on wiring to socket-outlet, 1,06 times voltage or 1,05 times wattage	—				—	
	- test 4: 1,1 times rated voltage or 1,05 times rated wattage.....	—				—	
	Through wiring or looping-in wiring loaded by a current of A during the test	—				—	
	Test to determine suitability of conductors having a reduced cross-sectional area (clause 5.4)	—				—	
Temperature measurements, (°C)							
Part	Ambient	Clause 12.4 – normal				Clause 12.5 – abnormal	
		test 1	test 2	test 3	limit	test 4	limit
DC connector	40,0	43,9	47,1	—	Ref.	—	—
Input wire	40,0	55,4	59,0	—	80	—	—
Inter-connecting cable	40,0	52,8	58,9	—	80	—	—
Plastic enclosure of LED chain	40,0	82,8	110,6	—	Ref.	—	—
End-cover of LED lamp chain	40,0	56,1	65,5	—	Ref.	—	—



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LED	40,0	81,6	108,7	—	Ref.	—	—
Mounting surface	40,0	71,9	83,1	—	90	—	—
Light objected (0,1)	40,0	43,5	46,8	—	90	—	—

Supplementary information: The above temperature limits of Input wire and Inter-connecting cable are provided by the client.



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ANNEX 2: Photo documentation

Details of: General view



Details of: General view



- - - End of Report - - -



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