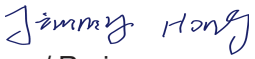


Prüfbericht-Nr.: <i>Test Report No.:</i>	50175355 001	Auftrags-Nr.: <i>Order No.:</i>	164137913	Seite 1 von 8 <i>Page 1 of 8</i>	
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2018-08-15		
Auftraggeber: <i>Client:</i>	Shenzhen Cansheng Industry Development Co., Ltd. No.20 JianLong Street, JianLong Village, HengGang Town, LongGang District, ShenZhen City, China.				
Prüfgegenstand: <i>Test item:</i>	LED STRIP				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	See model list				
Auftrags-Inhalt: <i>Order content:</i>	Type examination				
Prüfgrundlage: <i>Test specification:</i>	IP68 test according to Clause 9.2.2, Clause 9.2.9 of EN 60598-1:2015				
Wareneingangsdatum: <i>Date of receipt:</i>	2018-08-15	See photos in report.			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000792711 001-010				
Prüfzeitraum: <i>Testing period:</i>	2018-08-15 to 2018-08-24				
Ort der Prüfung: <i>Place of testing:</i>	See page 2.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von / tested by:		kontrolliert von / reviewed by:			
2018-08-31 Simon Zou / Engineer 		2018-08-31 Jimmy Hong / Reviewer 			
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>
Sonstiges / Other: 1. This report is issued according to client's requirement. 2. Attachment 1: 1 page of equipment list.					
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
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. <i>This test report only relates to the a. m. 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>					

Test item	
Description :	LED STRIP
Trademark :	N/A
Model and/or type reference.....:	See model list
Manufacturer	Same as the client
Rating(s).....:	12VDC/24VDC
Test case verdicts	
Test case does not apply to the test object	N /A
Test item does meet the requirement.....:	P(ass)
Test item does not meet the requirement.....:	F(ail)
.....:	
Testing	
Date of receipt of test item	See cover page
Date(s) of performance of test	See cover page
.....:	
General remarks	
This test report shall not be reproduced except in full without the written approval of the testing laboratory.	
The test results presented in this report relate only to the item tested.	
“(see remark #)” refers to a remark appended to the report.	
“(see appended table)” refers to a table appended to the report.	
Throughout this report a comma is used as the decimal separator.	
Summary of testing:	
Test: 1. This report is only for IP68 test. 2. Test condition: ta=25°C, R.H.=65%. 3. Models C-SF2J30C, C-SG2J30C, C-SI2J30C and C-SC5E60C were selected to perform the tests, for this model has the Max. power.	Test location: SHENZHEN ALPHA PRODUCT TESTING CO., LTD. Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

General product information:

Product : LED STRIP

Rating: 12VDC/24VDC, class III

All models have the same seal structure, only different in LED and power.

Model list:

Model No.	Power (W)	LED Model	LED quantity	Product length	Max. connecting length
C-**1AYYZ	3.0	2835	30	1m	10m
C-**1BYYZ	3.6	2835	36	1m	10m
C-**1CYYZ	4.8	2835	48	1m	10m
C-**1DYYZ	5.6	2835	56	1m	10m
C-**1EYYZ	6.0	2835	60	1m	10m
C-**1FYYZ	7.0	2835	70	1m	10m
C-**1GYYZ	7.2	2835	72	1m	10m
C-**1HYYZ	9.6	2835	96	1m	10m
C-**1IYYZ	12.0	2835	120	1m	10m
C-**1JYYZ	10.0	2835	140	1m	10m
C-**1KYYZ	10.0	2835	144	1m	10m
C-**1LYYZ	18.0	2835	180	1m	10m
C-**1MYYZ	16.0	2835	240	1m	10m
C-**1PYYZ	15.0	2835	192	1m	10m
C-**1QYYZ	12.6	2835	126	1m	10m
C-**1SYYZ	11.2	2835	112	1m	10m
C-**1UYYZ	16.0	2835	224	1m	10m
C-**1VYYZ	12.0	2835	128	1m	10m
C-**2AYYZ	3.0	3014	30	1m	10m
C-**2BYYZ	3.6	3014	36	1m	10m
C-**2CYYZ	4.8	3014	48	1m	10m
C-**2DYYZ	5.6	3014	56	1m	10m
C-**2EYYZ	6.0	3014	60	1m	10m
C-**2FYYZ	7.0	3014	70	1m	10m
C-**2GYYZ	7.2	3014	72	1m	10m
C-**2HYYZ	9.6	3014	96	1m	10m
C-**2IYYZ	12.0	3014	120	1m	10m
C-**2JYYZ	10.0	3014	140	1m	10m
C-**2KYYZ	10.0	3014	144	1m	10m
C-**2LYYZ	18.0	3014	180	1m	10m
C-**2MYYZ	16.0	3014	240	1m	10m
C-**2PYYZ	15.0	3014	192	1m	10m
C-**2QYYZ	12.6	3014	126	1m	10m
C-**2SYYZ	11.2	3014	112	1m	10m
C-**2UYYZ	16.0	3014	224	1m	10m
C-**2VYYZ	12.0	3014	128	1m	10m
C-**3AYYZ	6.0	3535	30	1m	10m
C-**3BYYZ	7.2	3535	36	1m	10m
C-**3CYYZ	9.6	3535	48	1m	10m
C-**3DYYZ	10.0	3535	56	1m	10m
C-**3EYYZ	12.0	3535	60	1m	10m
C-**3FYYZ	15.0	3535	70	1m	10m
C-**4AYYZ	6.0	5050	30	1m	10m
C-**4BYYZ	7.2	5050	36	1m	10m
C-**4CYYZ	9.6	5050	48	1m	10m
C-**4EYYZ	12.0	5050	60	1m	10m
C-**4FYYZ	10.0	5050	70	1m	10m
C-**4GYYZ	10.0	5050	72	1m	10m
C-**5AYYZ	6.0	5630	30	1m	10m
C-**5BYYZ	7.2	5630	36	1m	10m
C-**5CYYZ	9.6	5630	48	1m	10m
C-**5DYYZ	10.0	5630	56	1m	10m
C-**5EYYZ	12.0	5630	60	1m	10m

C- ** 5FYYZ	15.0	5630	70	1m	10m
C- ** 7AYYZ	6.0	3030	30	1m	10m
C- ** 7BYYZ	7.2	3030	36	1m	10m
C- ** 7CYYZ	9.6	3030	48	1m	10m
C- ** 7DYYZ	10.0	3030	56	1m	10m
C- ** 7EYYZ	12.0	3030	60	1m	10m
C- ** 7FYYZ	15.0	3030	70	1m	10m

Note:

- ** can be SC, SF, SG or SI, means the structure of LED stripe.

YY=00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, or 15-99; (00 means Double color, 01 means RGBW , 02 means RGB Colorful, 03 means RGB, 04 means Red, 05 means Green, 06 means Blue, 07 means Yellow, 08 means Pink, 09 means Orange, 10 means Mixed color, 11 means Purple, other 15-99 means The white light color temperature 1500K-9900K, For example 15 means 1500K, 30 means 3000K and so on.)

Z=B or C; (B means input voltage is 12VDC, C means input voltage is 24VDC)

Clause	Requirement + Test	Result - Remark	Verdict
9.2	Tests for ingress of dust, solid objects and moisture		P
	Portable luminaires, wired as in normal use, shall be placed in the most unfavorable position of normal use.		P
	Fixing screws of covers, other than hand-operated fixing screws of glass covers, shall be tightened with a torque equal to two-thirds of that specified in Table 4.1.		N/A
9.2.1	Dust-tight luminaires tested in a dust chamber (For IP 6X)		P
	Dust-proof luminaires (first characteristic IP numeral 5) shall be tested in a dust chamber similar to that shown in Figure 6, in which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 µm and whose nominal free distance between wires is 75 µm. It shall not have been used for more than 20 tests		P
	no deposit of talcum powder inside enclosures for dust-tight luminaires		P
9.2.9	Pressure watertight luminaires (for IPX5)		P
	Pressure watertight luminaires (second characteristic IP numeral 8) are heated either by switching on the lamp or by other suitable means, so that the temperature of the luminaire enclosure exceeds that of the water in the test tank by between 5 °C and 10 °C		P
	The luminaire shall then be switched off and subjected to a water pressure of 1,3 times that pressure which corresponds to the rated maximum immersion depth for a period of 30 min.	Test depth: 1,3m	P
	rated maximum immersion depth:	1,0m	P
	No trace of water having entered in any part of a watertight or pressure watertight luminaire	No water entry	P
	No damage, for example, cracking or breakage of a protective shield or glass envelope, such that safety or protection against the ingress of moisture is impaired.	No damage	P
	Electric strength test		P
	AC 500 V (1min) is applied between current-carrying parts and accessible part.		P
	There is no flashover or breakdown occurred.	No flashover or breakdown	P

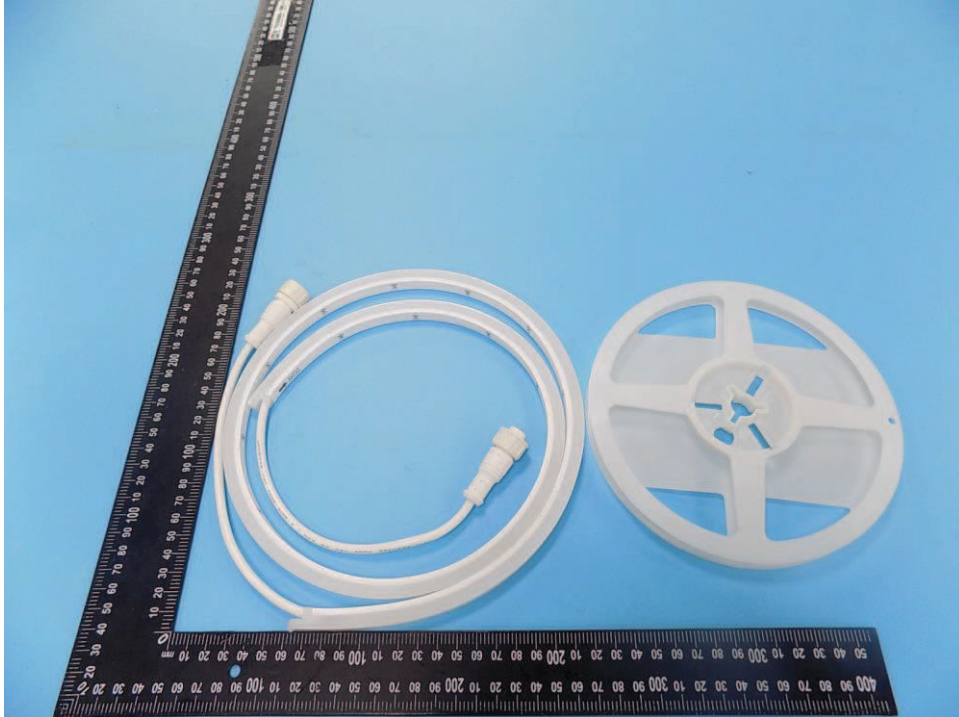
Photo



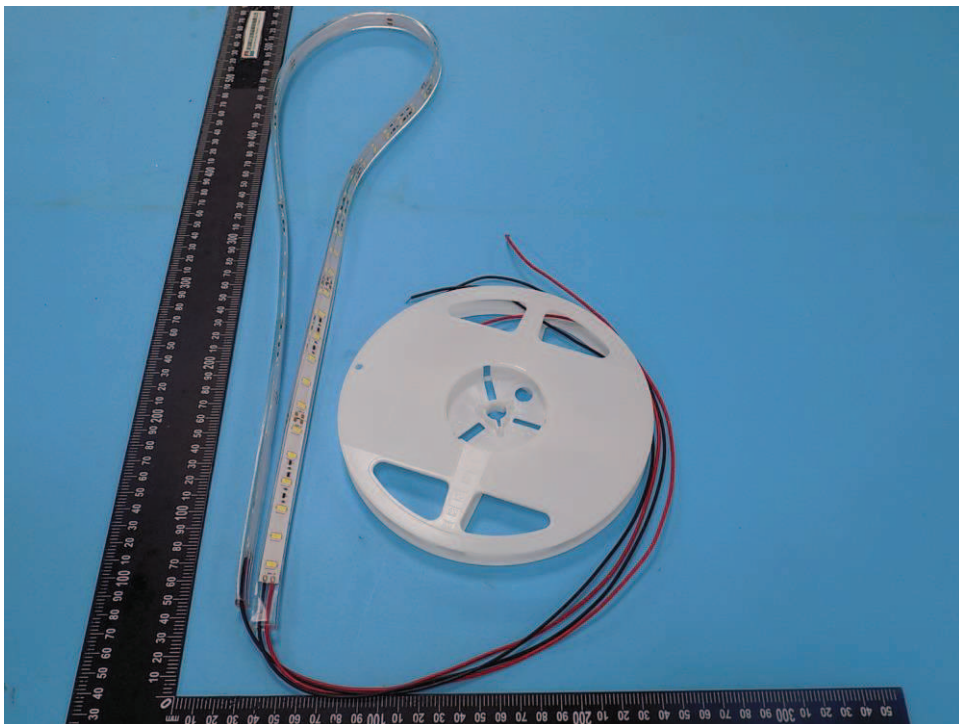
Picture 1: Over view of C-SF2J30C



Picture 2: Over view of C-SG2J30C



Picture 3: Over view of C-SI2J30C



Picture 4: Over view of C-SC5E60C



Picture 5: Over view of connector

=== End of report ===