

TEST REPORT

Applicant / address: Zhejiang Summerside Sanitary Ware Technology Co., Ltd
49 Chengnan Road, Longyou Economic Development Zone, Donghua Street,
Longyou, Quzhou, Zhejiang, China

Manufacturer / address: Same as applicant

Test laboratory / address: SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch
No.1177, Lingyun Road, Hi-Tech Zone, Ningbo, Zhejiang, China

Test specifications / Test standard : EN IEC 60598-1:2021; EN IEC 60598-2-1:2021
(only tests of clause 1.14 (9.2.0 and 9.2.5))

Test item description: Fixed Luminaire (LED Luminaire)

Trade mark: SUMMERSIDE / KODA

Model/Type reference: See model list

Ratings: See "General product information"

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 : According to client's requirement, clause 1.14 (9.2.0 and 9.2.5) of the above standards were conducted.



Leo Du

Leo Du
Reviewer
Safety Laboratory

Ruby Yu

Ruby Yu
Project Engineer



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Summary of testing:

According to the client's requirement, only tests of clause 1.14 (9.2.0 and 9.2.5) of the below standards were performed on the model H-1085F50L60XTRSF and H-1009L6T. The provided samples were found to meet the clause 1.14 (9.2.0 and 9.2.5) of the below standards:
EN IEC 60598-1:2021; EN IEC 60598-2-1:2021

Copy of marking plate:

N/A

Test item particulars

Classification of installation and use..... : Fixed; Normal

Supply Connection..... : Supply cord or Plug with supply cord

Possible test case verdicts:

- 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)

Testing

Date of receipt of test item..... : 2021-12-31

Date (s) of performance of tests..... : 2021-12-31 to 2022-01-24



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General product information:

The products were LED mirror for indoor use only, IP44, Class II.

Model/Type reference: H-abcdefgh

"H" stands for the abbreviation of client;

"a" could be 01-3999, stand for the shape of mirror (regular and irregular);

"b" could be F11-F50 or blank, stands for the power of Defogger, from 11 W to 50W, blank=no Defogger;

"c" could be L01-L60, stand for the power of LED strip, from 1W to 60 W;

"d" could be X or blank, X= with clock, blank= no clock;

"e" could be T or Blank, T=with touch switch, blank =without touch switch;

"f" could be R or Blank, R=with infrared sensor switch, blank = without infrared sensor switch;

"g" could be S or Blank, S=with mechanical switch, blank = without mechanical switch;

"h" could be cable plug. F=with cable plug, blank =without cable plug;

Example:

Model: H-190F50L60XTRSF, with 50W Defogger, with 60W led strip, with clock, with touch switch, with infrared sensor and mechanical switch, with cable plug, total power is max.110W.

Model: H-1009L6T, with 6 W LED strip, with touch switch, total power is max.6 W.

They shared same construction, circuit diagram except shape, power, appearance, size, with/without clock, with/without touch switch, with/without infrared sensor switch, with/without mechanical switch, with/without defogger and LED drivers.

The additional models were the same as the above models except for model names.

Model list:

Additional model	Maximum rated power (W)	Size (mm)	Corresponding to the above model
BR 8045 8704 S	8	450*800	H-1280L8S
BR 7080 8700 S	15	800*700	H-1282L15S
BR 70100 8701 S	15	1000*700	H-1284L15S
BR 70120 8702 S	20	1200*700	H-1285L20S
BR 70140 8703 S	20	1400*700	H-1286L20S
BR 7090 8711 S	70	900*700	H-1287F50L20S
BR 7075 8710 S	55	700*750	H-1288F40L15S
BT 0075 8712 S	50	750*750	H-2289F30L20S
980.835020	8	500*700	H-1293L8T
980.837020	8	700*700	H-1294L8T
980.839020	8	900*700	H-1295L8T
980.831120	8	1100*700	H-1296L8T



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Additional model	Maximum rated power (W)	Size (mm)	Corresponding to the above model
980.835021	15	500*700	H-1297L15T
980.837021	15	700*700	H-1298L15T
980.839021	20	900*700	H-1299L20T
980.831121	20	1100*700	H-1300L20T
980.831421	20	1400*700	H-1301L20T
S17-FSP06-700X600EK	15	600*700	H-1302L15T
S17-FSP08-700X700EK	15	700*700	H-1303L15T
S17-FSP10-700X800EK	15	800*700	H-1304L15T
S17-FSP12-700X900EK	20	900*700	H-1305L20T
S17-FSP14-700X1000EK	20	1000*700	H-1306L20T
S17-FSP20-700X1200EK	20	1200*700	H-1307L20T
FEENS2170EK	20	700*700	H-2291L20T
980.836024	15	600*600	H-2292L15T
980.836023	15	600*800	H-1308L15R
980.837023	15	700*900	H-1309L15R
980.835022	15	500*700	H-1310L15XT
980.837022	15	700*700	H-1311L15XT
980.839022	20	900*700	H-1312L20XT
980.831122	20	1100*700	H-1313L20XT
1162275-120	9	1200*500	H-1093L9
1162275-100	9	1000*500	H-1094L9
1162275-90	9	900*500	H-1095L9
1162275-80	9	800*500	H-1096L9
1162275-60	9	600*500	H-1097L9
1162258	15	800*600	H-1086L15
1162261-60	15	600*500	H-1087L15
1162261-80	15	800*500	H-1088L15
1162261-90	15	900*500	H-1089L15
1162261-100	15	1000*500	H-1090L15
1162261-120	15	1200*500	H-1091L15

After review, tests of IP44 were performed on model H-1085F50L60XTRSF and H-1009L6T.



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TEST RESULTS:

Clause	Requirement + Test	Remarks	Verdict
1.14(9.2.0)	IP4X Test	—	P
1.14(9.2.5)	IPX4 Test	—	P

ELECTRIC STRENGTH MEASUREMENTS:

Test voltage applied between:	Voltage(V)	Breakdown (Yes/No)
SELV		
- between current-carrying parts and mounting surface	500	No
- between current-carrying parts and accessible parts	500	No
Other than SELV		
- between live parts of different polarity	1480 V	No
- between live parts and mounting surface	2960 V	No
- between live parts and metal parts	2960 V	No
- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts	1480 V	No



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ANNEX I: Photo documentation

Details of: H-1085F50L60XTRSF

View:

☒ **general**

☐ front

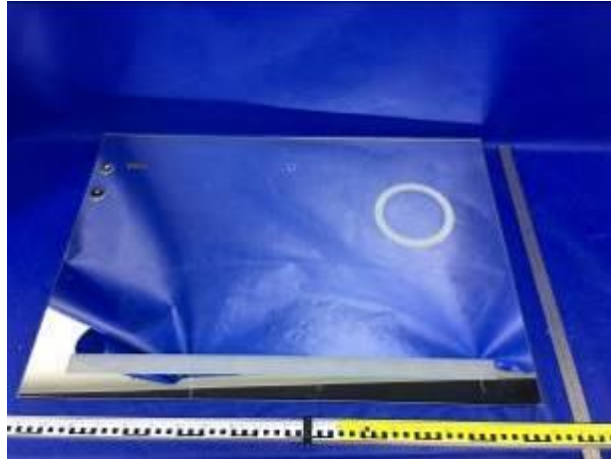
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Details of: H-1085F50L60XTRSF

View:

☒ **general**

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Details of: H-1009L6T

View:

☒ **general**

☐ front

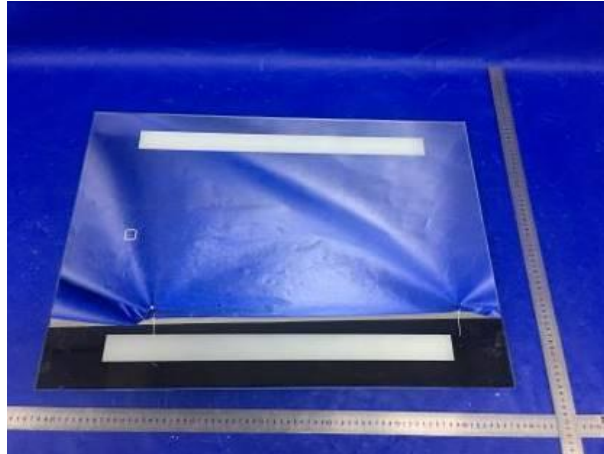
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Details of: H-1009L6T

View:

☒ **general**

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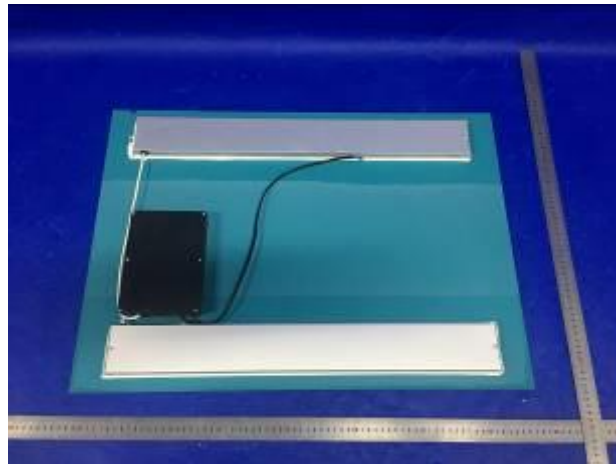
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Details of: H-1293L8T

View:

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Details of: H-1293L8T

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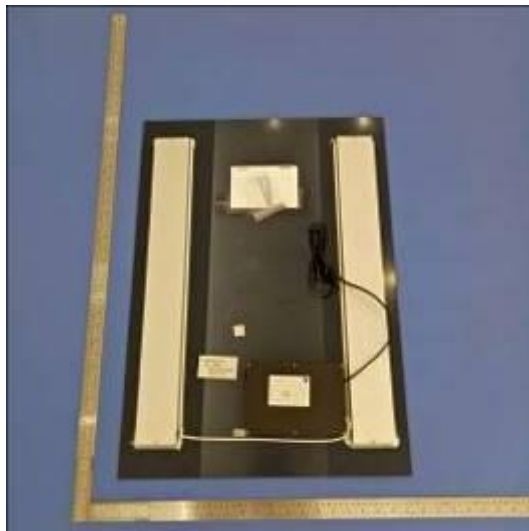
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Details of: H-1302L15T

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Details of: H-1302L15T

View:

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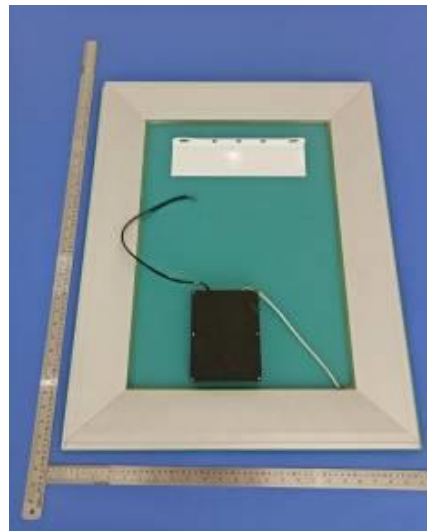
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Details of: H-2291L20T

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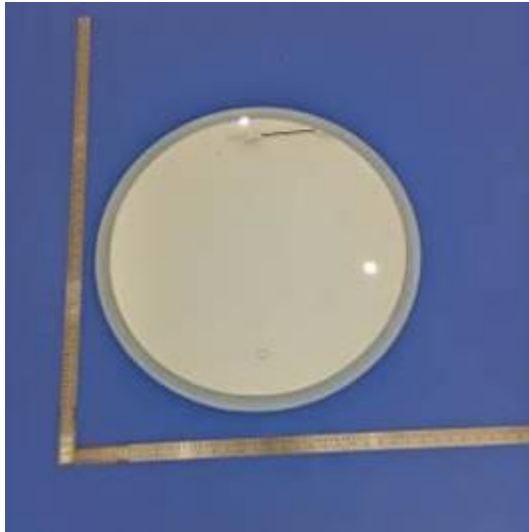
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Details of: H-2291L20T

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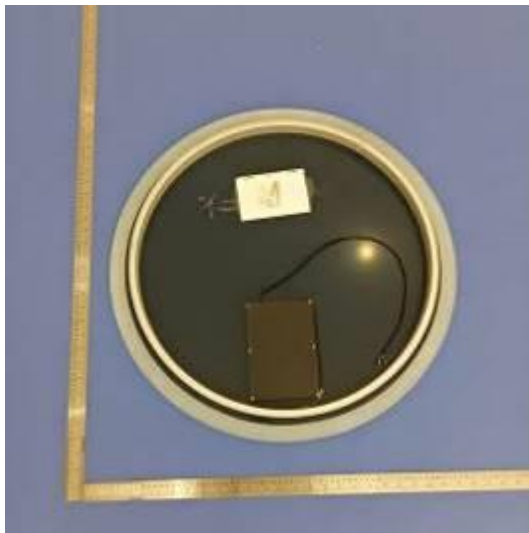
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