

Test Report

Report No.: GZES190601843531

Date: 2020-03-24

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

Applicant: Allecot group limited
Room 02, 21/F., Hip Kwan Commercial Building, 38 Pitt Street, Yau Ma Tei,
Kowloon, Hongkong

Manufacturer: Leadsun Technology Co., Ltd.
West Area 1st floor, R&D building #1, Pingdong 1st Road, Nanping Science &
Technology Industrial Park, Zhuhai, Guangdong, China

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

Test object / Model: KV xxx (H) (AC)-VEGA xx, KV xxx (H) (AC)-RS xx, KV xxx xx (H)

Rating: —

Test specifications / Test standard: IP66 / Sub-Clause 9.2.2 and Sub-Clause 9.2.7 of IEC 60598-1: 2014 + A1: 2017

Purpose of examination: Test according to the test specification

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.
When determining for test conclusion, measurement uncertainty of tests has been considered.
This is a commission test report



Ivory Lu

Ivory Lu
Reviewer
E&E Safety Laboratory

Freddy Chen

Freddy Chen
Project Engineer



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch E&E Safety Laboratory

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Test Report

Report No.: GZES190601843531

Date: 2020-03-24

Test item particulars:	
Equipment mobility.....:	Fixed
Operating condition.....:	Continuous
Class of equipment.....:	Class III
Mass of equipment.....:	—
Supply construction.....:	Connector
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.....:	2019-12-10, 2020-03-12
Date (s) of performance of tests.....:	2019-12-10 to 2019-12-11 2020-03-12 to 2020-03-13
General product information:	
LED solar street light, Class III, non-user replaceable light sources.	
All models are identical except size, battery capacity and power different.	



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Test Results:

Clause 9 of IEC 60598-1 and/or EN 60598-1		
Clause	Remarks	Verdict
9.2.0 Solid-object-proof luminaires IP2X		N/A
9.2.0 Solid-object-proof luminaires IP3X		N/A
9.2.0 Solid-object-proof luminaires IP4X		N/A
9.2.1 Dust-proof luminaires IP5X		N/A
9.2.2 Dust-tight luminaires IP6X		P
9.2.3 Drip-proof luminaires IPX1		N/A
9.2.4 Rain-proof luminaires IPX3		N/A
9.2.5 Splash-proof luminaires IPX4		N/A
9.2.6 Jet-proof luminaires IPX5		N/A
9.2.7 Powerful water jet-proof luminaires IPX6	No electrical strength test was evaluated	P
9.2.8 Watertight luminaires IPX7		N/A
9.2.9 Pressure watertight luminaires IPX8		N/A



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Test Report

Report No.: GZES190601843531

Date: 2020-03-24

Photo documentation

Details of: General view for KV26080W similar to KV xxx xx (H).

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Luminaire part for KV260W- VEGA 100 similar to KV xxx (H) (AC)-VEGA xx.

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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Test Report

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Details of: Solar panels for KV260W- RS100 and KV260W- VEGA 100 similar to KV xxx (H) (AC)-VEGA xx and KV xxx (H) (AC)-RS xx, except for KV180U- VEGA xx and KV180U- RS xx.

View:

☒ general

☐ front

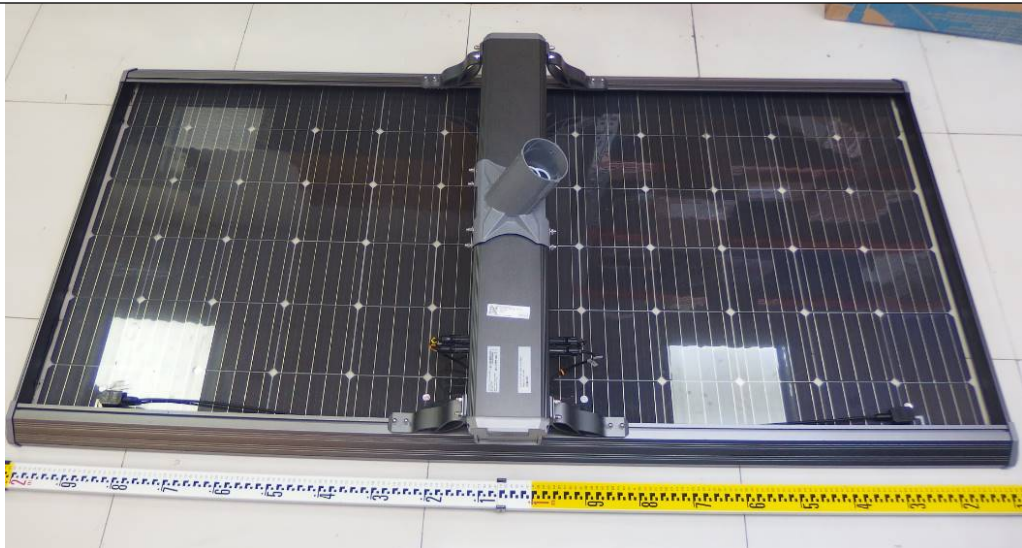
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Solar panels for KV180U- VEGA 100 and KV180U- RS 100 similar to KV180U- VEGA xx and KV180U- RS xx.

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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Test Report

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Date: 2020-03-24

Details of: Luminaire part for KV260W- RS100 similar to KV xxx (H) (AC)-RS xx.



Details of: Cover for battery box



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Test Report

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Date: 2020-03-24

Details of: Cover for battery box (another end)

View:

☒ [x] general

☐ [] front

☐ [] rear

☐ [] right

☐ [] left

☐ [] top

☐ [] bottom



Details of: Inlet view for all models (Solar panels)

View:

☒ [x] general

☐ [] front

☐ [] rear

☐ [] right

☐ [] left

☐ [] top

☐ [] bottom



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Test Report

Report No.: GZES190601843531

Date: 2020-03-24

Details of: Connector for all models, except KV180U- VEGA xx and KV180U- RS xx.

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Connection box for all models, except KV180U- VEGA xx and KV180U- RS xx (all installation gaps are sealed by glue).

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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Test Report

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Date: 2020-03-24

Details of: Inlet view for KV180U- VEGA xx and KV180U- RS xx.

View:

☒ general

☐ front

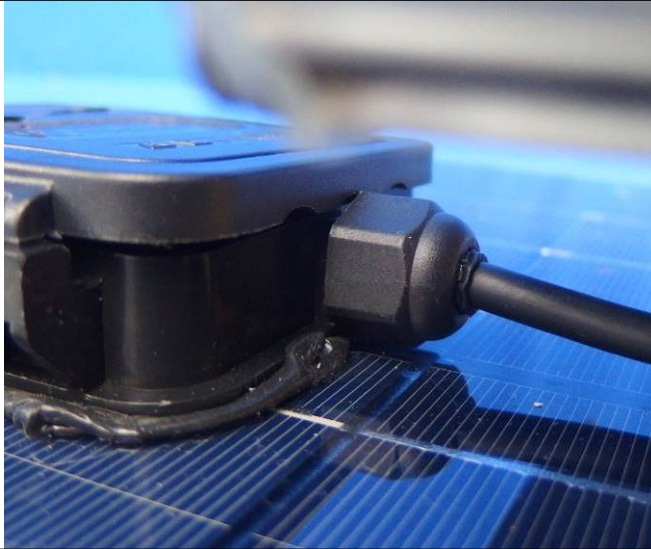
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Connection box for KV180U- VEGA xx and KV180U- RS xx.

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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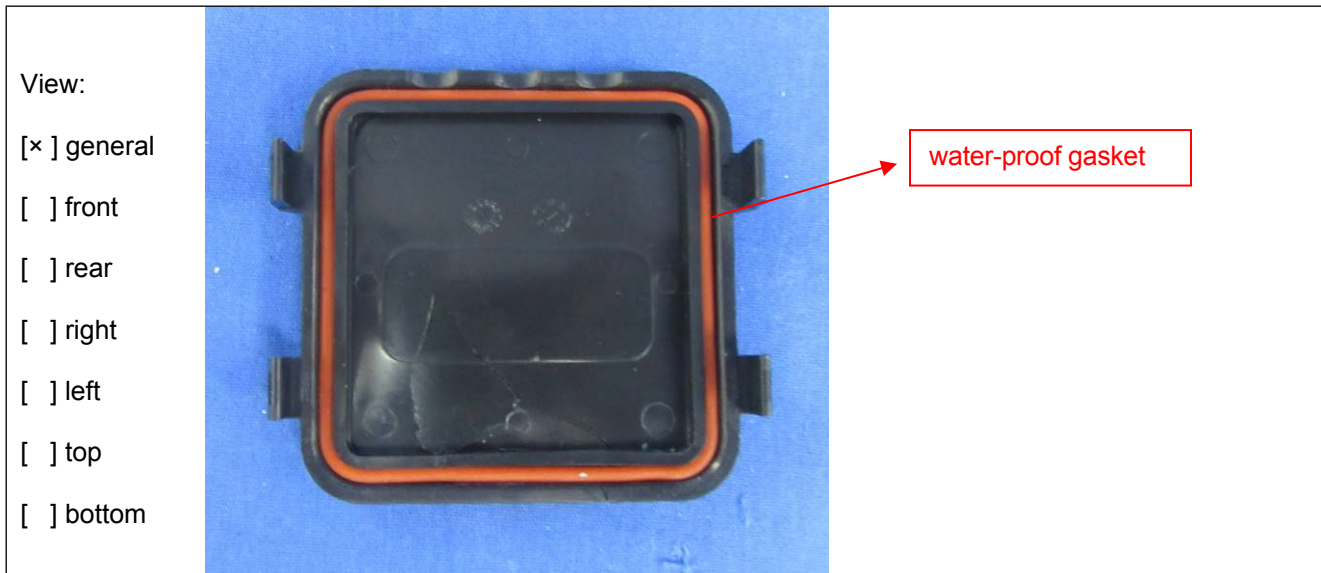
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Test Report

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Date: 2020-03-24

Details of: Cover for connection box



Details of: Connector for KV180U- VEGA xx and KV180U- RS xx.



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Test Report

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Details of: LED module for KV xxx (H) (AC)-RS xx, with water-proof gasket.



Details of: LED module for KV xxx (H) (AC)-VEGA xx x, with water-proof gasket.



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Details of: LED module for KV xxx xx (H), with water-proof gasket.

View:

[×] general

[] front

[] rear

[] right

[] left

[] top

[] bottom



Details of: Infrared sensor for KV xxx (H) (AC)-VEGA xx x

View:

[] general

[×] front

[] rear

[] right

[] left

[] top

[] bottom



Test Report

Report No.: GZES190601843531

Date: 2020-03-24

Details of: Internal view for Infrared sensor, sealed by glue

View:

☐ general

☐ front

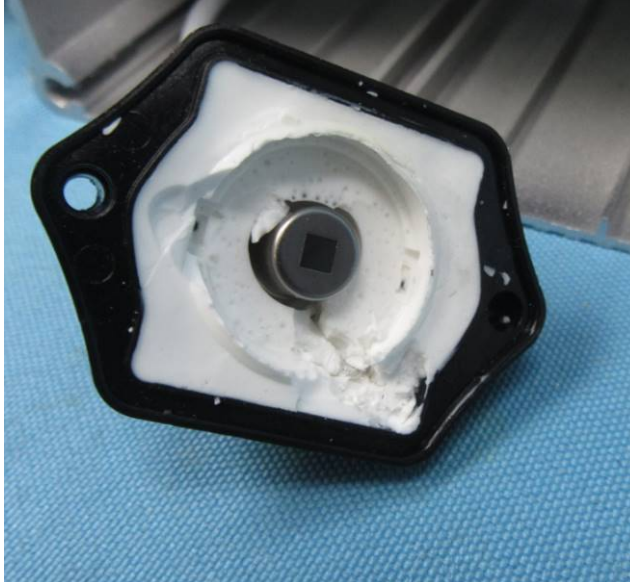
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Inlet view for KV xxx (H) (AC)-VEGA xx x (Luminaire part)

View:

☒ general

☐ front

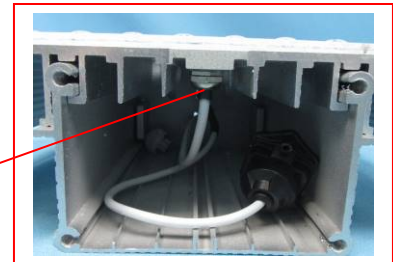
☐ rear

☐ right

☐ left

☐ top

☐ bottom

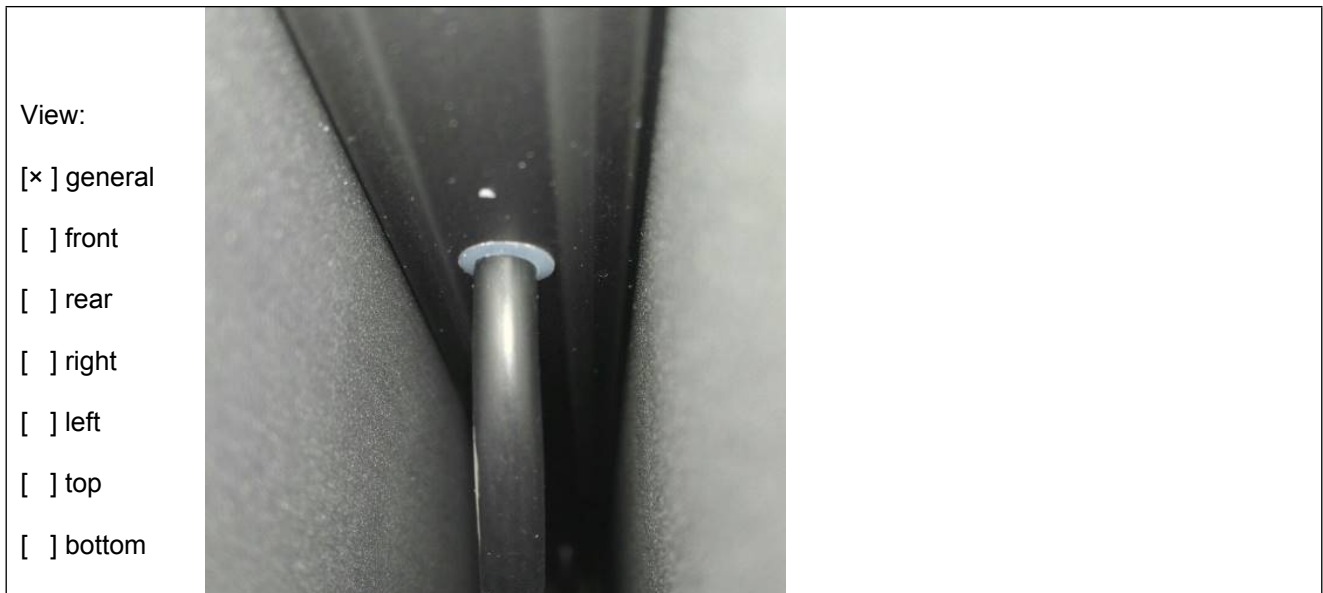


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Date: 2020-03-24

Details of: Inlet view for KV xxx (H) (AC)-RS xx and KV xxx xx (H) (Luminaire part)



Details of: Connector for all models, except KV xxx xx (H).



--- End of Report ---