

Test report

Report No.: GZES190601843631

Date: 2020-03-24

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

The standards: The requirement of IK08 of IEC 62262: 2002

Test item description: ALLECOT K5 series LED solar street light

Trade Mark: ALLECOT

Model/Type for test: KV xxx (H) (AC)-VEGA xx, KV xxx (H) (AC)-RS xx, KV xxx xx (H)

Ratings: —

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



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Copy of marking plate

—

Summary of testing:

As the client's request, IK08 was applied to the product.

After the test, the enclosure of test samples was not damaged.

The submitted appliance was found to be in compliance with the IK08 requirement of IEC 62262: 2002.



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Test item particulars:	
Lamp cap	—
Lamp identification	LED
Commission received from	Allecot group limited
Date	—
Electrical safety class	Class III
IP number	—
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.....:	2019-10-30, 2020-03-12
Date (s) of performance of tests	2019-10-30 to 2019-12-10 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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Date: 2020-03-24

Test Results:

Clause	Requirement – Test	Result - Remark	Verdict
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	SAFETY REQUIREMENTS		P
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4.2	Characteristic group numerals of the IK code and their meanings		
	IK00 (not protected according to this standard)		N/A
	IK01 0,14 J:		N/A
	IK02 0,2 J:		N/A
	IK03 0,35 J:		N/A
	IK04 0,5 J:		N/A
	IK05 0,7 J:		N/A
	IK06 1 J:		N/A
	IK07 2 J:		N/A
	IK08 5 J:	Not include the infrared sensors, connector and connection box	P
	IK09 10 J:		N/A
	IK10 20 J:		N/A

6	Test to verify the protection against mechanical impacts		
6.1	The test specified in this standard is a type test		P
6.2	In order to verify the protection against mechanical impacts, blows shall be applied to the enclosure to be tested.		P
6.3	During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use.		P



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Clause	Requirement – Test	Result - Remark	Verdict
6.4	The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard. The impacts shall be evenly distributed on the faces of the enclosure(s) under test. In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure. The relevant product standard shall specify the points of application of impacts		P
6.5	Test evaluation		P
	The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based, particularly: - admissible damages, - verification criteria relative to the continuity of the safety and reliability of the equipment	After the test, there was no damage to the enclosure	P

7	Test apparatus		
	The test shall be done by using one of the test apparatus described in IEC 60068-2-75:		P
	☐ pendulum hammer		N/A
	☐ spring hammer		N/A
	☒ vertical hammer		P



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ANNEX 1: 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



Test report

Report No.: GZES190601843631

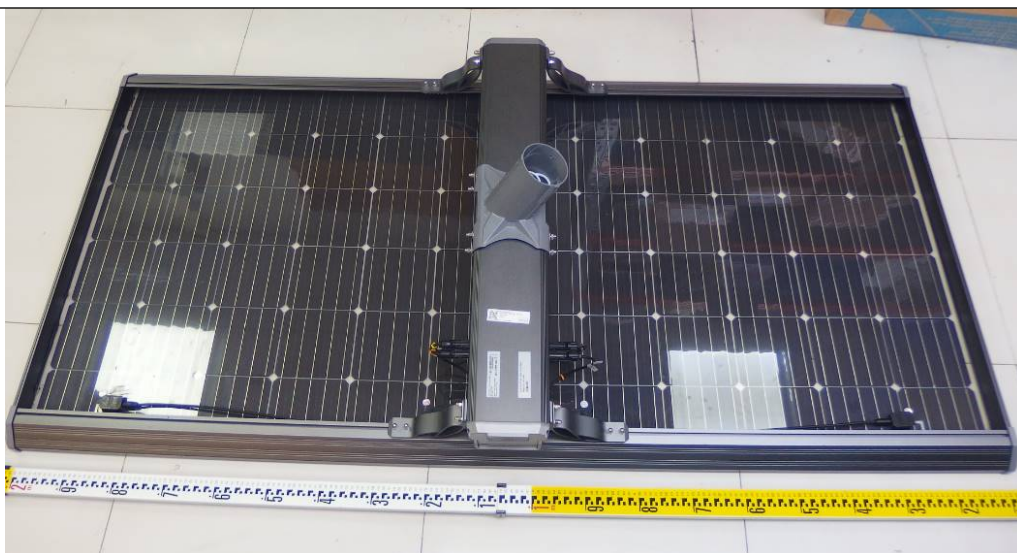
Date: 2020-03-24

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

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Cover for battery box

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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Details of: Cover for battery box (another end)

View:	
☒] general	
☐] front	
☐] rear	
☐] right	
☐] left	
☐] top	
☐] bottom	

Details of: Inlet view for all models

View:	
☒] general	
☐] front	
☐] rear	
☐] right	
☐] left	
☐] top	
☐] bottom	



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

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



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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.: GZES190601843631

Date: 2020-03-24

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

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



--- End of Report ---



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