

Test report No. 1/12.08.23./IK-07**Test report for determination of degrees of protection provided by enclosure for electrical equipment against external mechanical impacts (IK code – impact protection)**

Report reference No.	1/12.08.23./IK-07
Date of Issue	12.09.2023.
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Testing Laboratory	SIA Baltic Research Center
Address	Gaujas iela 11, Rīga, LV-1026, Latvia
Client	SIA VIZULO
Client number	1
Address	Bukultu iela 11, Rīga, LV-1005, Latvia
Testing specification	SIA Baltic Research Center test method is based on the requirements in the following standard: LVS EN 62262:2002
TRF originator	SIA Baltic Research Center, Ingmārs Felcis
Copyright blank test report	This report based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by SIA Baltic Research Center SIA Baltic Research Center takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.
Number of pages (Report)	3

Compiled and approved by:
Head of Laboratory, Ingmārs Felcis
(+signature)



Test object ID	011108202314	
Type of test object	LED luminaire	
Model and/or type reference	MRUE 050 740 L05 AA016 ZG1 (5mm clear glass without logo with Zhaga)	
Manufacturer	Same as above	
Address	Same as above	
Order Description	☒	Full test according to testing application
	☐	Partial test according to manufacturer's specification
	☐	Device check
	☐	Other ()
Date of order	10.08.2023.	
Date of receipt of test item	11.08.2023.	
Date(s) of performance of test	12.08.2023.	
Equipment used:	B004 ruler, T017 freefall hammer	
Test item particulars:	☒	full configuration
	☐	partial configuration (detail, cover etc.)
	☐	other ()
Size-length, height:	657 x 170 mm	
Rated IK code:	IK10	
Environment (temperature, air pressure):	24.5 °C, 102.1 kPa	
Designated impact locations:	From each side of test sample in operating position	

Comments:

Preparation of test object for tests: Visually evaluated (recorded in photographs) and placed on a table for impact testing.

Any deviation from the normal course of the test or any occurrence during the test: None.

Visual defects after test (mechanical damage, etc.): None.

General remarks:

Throughout this report, a point is used as the decimal separator.

The test results presented in this report relate only to the object tested.

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SIA Baltic Research Center is an accredited testing laboratory for determination of degrees of protection provided by enclosure for electrical equipment against external mechanical impacts (IK code – impact protection; IK06 until IK10) by LATAK (Latvian National Accreditation Bureau) acc. to EN 17025 using testing method based on LVS EN 62262:2002 standard.

Photo(s) of the sample:

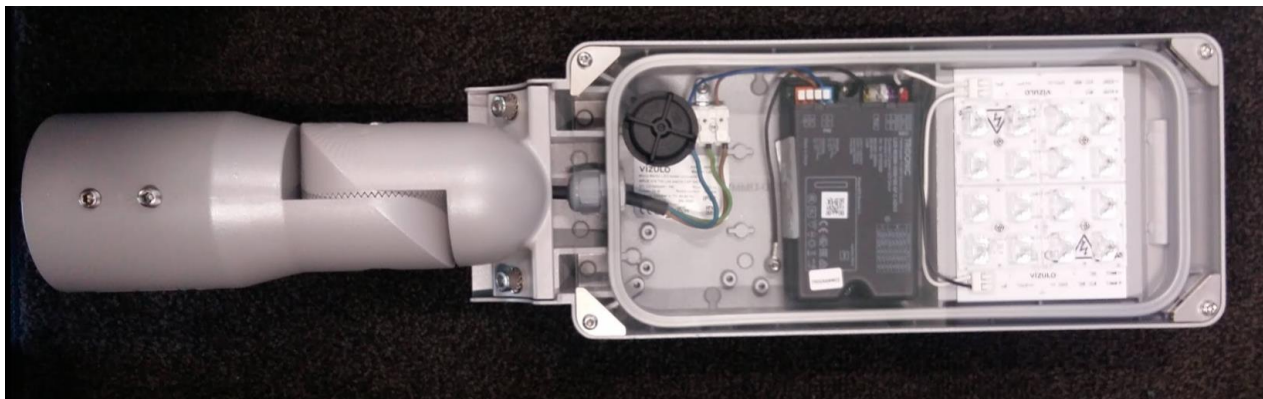


Photo No.1: test sample before testing

Results and determined IK code:

The manufacturer has rated the toughness of the test sample to withstand IK10. Test was performed using T017, which was placed 400 mm above the surface of the glass.

After testing and closer examination, the test object does not show any cracks or any other visual defect that might indicate its insecurity when used properly.

Based on test results and observations: The enclosure provides IK10-compliant security.

END OF TEST REPORT