

Laboratory Test report

FORM L-54 V2



713-TEST

NBN EN ISO/IEC 17025 :2017

Schröder
Experts in lightability™

Laboratoire Schröder
Rue de Mons 3 - B-4000 Liège - BELGIUM
Tél.: +32.4.224.75.40

Mechanical impact resistance test

General information

Subject : IZYLUM LT 2 - 4mm flat glass - Zhaga socket

Asked by : CSIKÓS Balázs

Created on : 12/10/2023

Started on : 12/10/2023

Test number : D231241

Reference norm : 62696 Ed1 (2011); IEC/EN 60598-1 Ed9 (2021) + A11 (2022)

Sample(s) : E220611, E220619, E220626, E220632, E220633

Test conditions

Luminaire : IZYLUM LT 2

Protector Material : Glass Extra Clear wide serigraphy

Protector Shape : Flat

Protector Thickness (mm) : 4

Testing facility : BER – SCHREDER

Operator : KOY Fiston



IMG_9481

Conclusion



Success

Conclusion :

Statement of conformity according to TR 62696 Ed1 (2011) and section 4.13 of IEC/EN 60598-1 Ed9 (2021) +A11 (2022):
IK08 passed.

Validated by :
Maghe Laurent

Duplicate to : PELSŐCZI Zoltán, GÖRGÉNYI Emese, HORVÁTH Balázs,
SZÜGYI János Péter, LÁMFALUSI Ferenc, CSIKÓS Balázs, CSENKI Máté
LAB : 12/10/2023

D231241

1/3

The publication of this report in another form than the original one is not allowed without agreement of the laboratory. This report concerns type tests on one or a series of specimens. All information but the measurements results are provided by the customer.

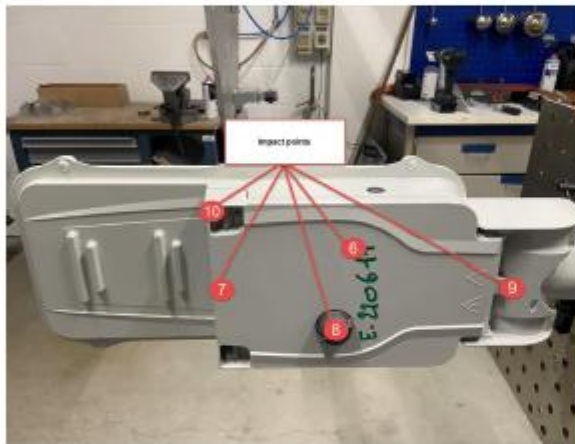
Test(s) details

Test(s)

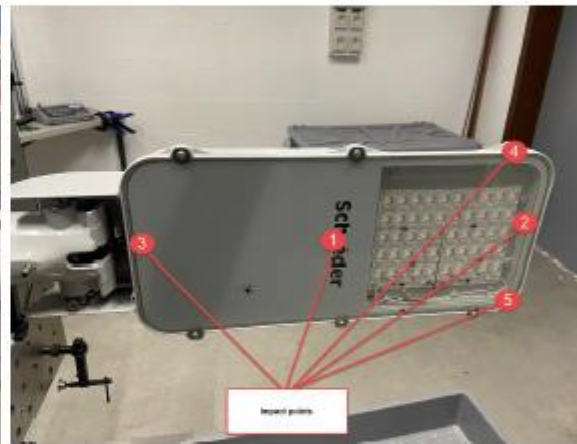
Name	Description	Verdict
Impact points	At pendulum hammer 10 impact points distributed on luminaire surface One impact on each point 2 supplementary impacts on the most fragile point	Success
IK08 on Zhaga	Impact energy : 5 joules Hammer weight : 1.7 Kg Height of fall : 30 Cm	Success
IK08	Impact energy : 5 joules Hammer weight : 1.7 Kg Height of fall : 30 Cm	Success

Impact points

Detail(s)



IMG_9485



IMG_9484

IK08 on Zhaga

Verdict(s)

Result: PASS

IK08

Verdict(s)

Result: PASS

Test room temperature (°C) :

23.1

Measurement equipment :

Pendulum hammer with chariot (M062)

Thermometer (A039/3)

Electronic scale 120kg (M057)

Dynamometric key (M075)

Quantities measured :

For IK 04/05/06: Verification of the mechanical strength of a luminaire according to PT-S-13

For IK07/08/09/10/10+: Verification of the mechanical strength of a luminaire according to PT-S-05

Uncertainties :

Temperature: 0,6 °K

Mass: 0,25 %

Dynamometric key :

From 0.5 to 2.5 Nm : 0,15 Nm

From 2.5 to 5 Nm : 0,22 Nm

From 5 to 25 Nm : 0,83 Nm

From 25 to 60 Nm : 2,73 Nm

From 60 to 100 Nm : 3,55 Nm

For IK 04/05/06, Impact energy: $\pm 10\%$

For IK07/08/09/10/10+, Impact energy: $\pm 1\%$

Decision rules :

Pass/fail criteria for individual test statement of conformity (Verdict) according to GDE-GUI-003:

By visual inspection (or other means if necessary):

Luminaire shows dangerous behavior: fail

Luminaire shows no dangerous behavior: success

When several luminaires are tested, 4 out of 5 samples need to show positive result for compliance of the batch

Pass/fail criteria for the test report statement of conformity (Conclusion):

At least one of the individual test statements of conformity (Verdict) is successful: success, the highest achieved IK is reported

Otherwise: fail

End of accredited report :
