

Report No.: 90

Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts (IK08)

Applicant	TEBA for development industries
Address	10 th Of Ramadan
Product Covered	Street light
Representative (tested) model	8150
Testing Standard	IEC62262-2-75 , IEC 60068
Testing Results	Passed

Test item particular :

Test no.	Test Method	Sample serial No.	Pass/Fail
1	Clause 5 IEC 60068-2-75	8150	Pass

Electrical rating:

Model No.	Voltage	Frequency	Power
8150	220 V	50 HZ	150 W

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Test Results:

· IK08 Test:

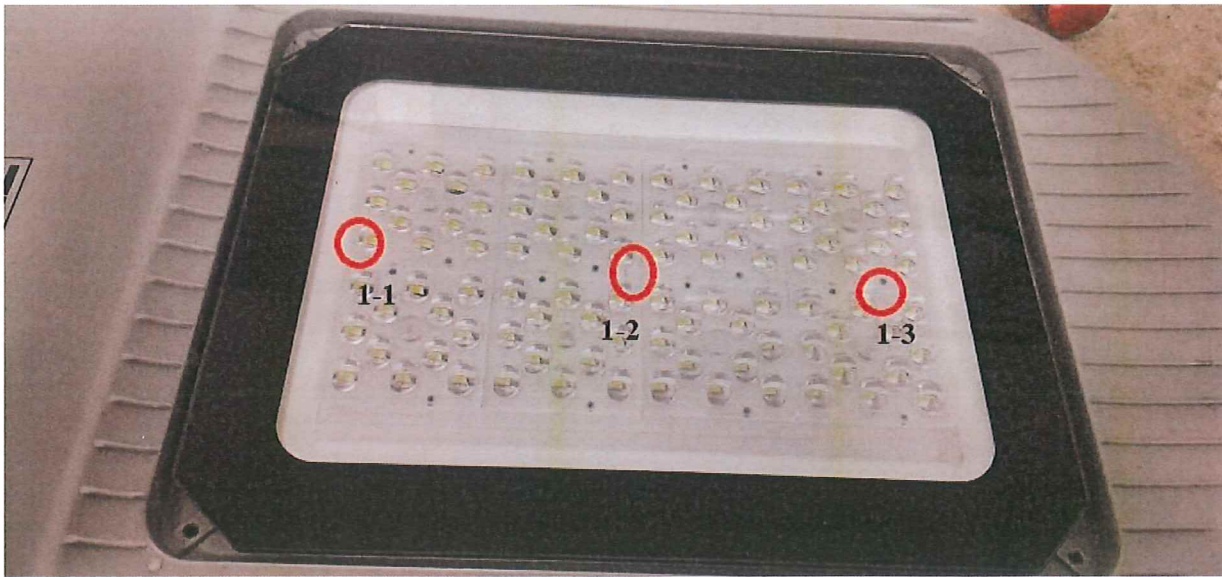
Fixture model(s) tested	IK code tested	Impact energy	Passed/Failed (P/F)
8150	08	5 J	Pass



Table 1 –Relation between IK code and impact energy

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy. J	0	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20
*Not protected according to this standard											
Note 1 When higher impact energy is required. The value of 50 j is recommended											
Note 2 A characteristic group numeral of two figures has been chosen to avoid confusion with some national standards which used a single numeral for a specific impact energy											

Impact Locations: :



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Result:

There was no accessibility of contact of uninsulated live parts, or internal wiring becoming accessible to contact, as determined by the accessibility probe;
There was no reduction of spacing to values below the minimum acceptable values;
There was no reduction in the effectiveness of strain relief means;
There was no cracking or denting of the enclosure that might reduce the effectiveness of the enclosure to keep out water or dust

Approved by :

Report No.91

Fragmentation test for flat glass

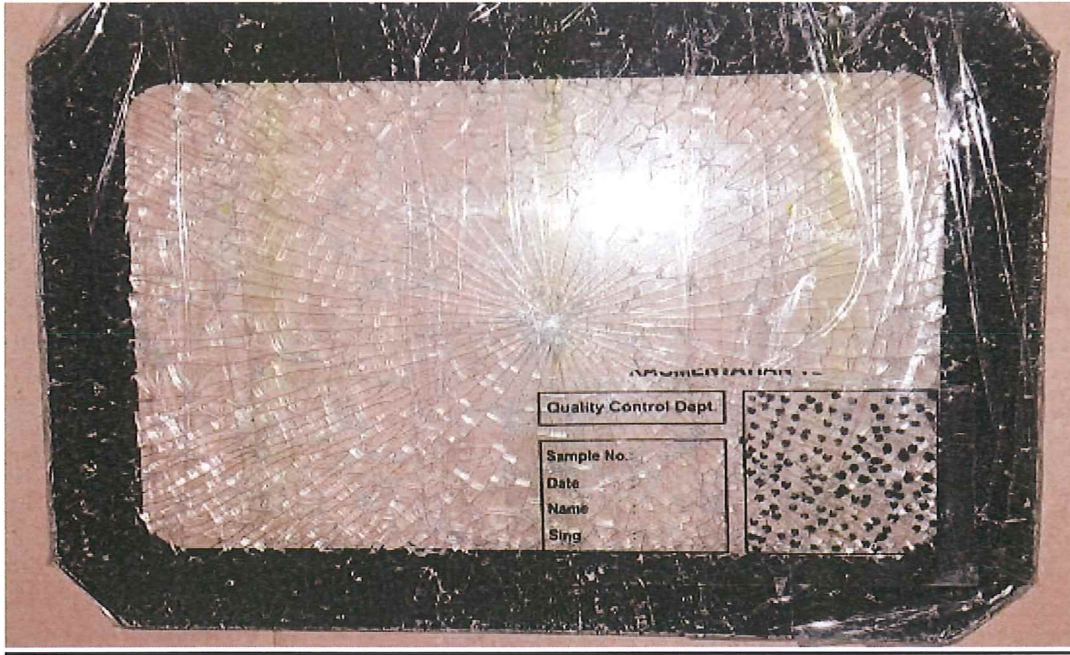
Applicant	TEBA for development industries
Address	10 th Of Ramadan
Product Covered	Street light
Representative (tested) model	8150
Testing Standard	EN 12150-1
Testing Results	Passed

Test Results:

Fixture model(s) tested	test criteria	Result	Passed/Failed (P/F)
8150	The counting of Fragments : 40 to 350	102	Pass

Sample photo :

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Approved by :