Test Report issued under the responsibility of:



TEST REPORT IEC 62262

Degree of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

4789813403
2021-03-12
8 including attachments
UL International Italia S.r.l.
LUG LIGHT FACTORY Sp. z o.o.
ul. Gorzowska 11 Zielona Gora, 65-127
PL
IEC 62262 (ed. 1) and IEC 60068-2-75 (ed. 2).
Informative Test Report
N/A
IEC62262-B
UL International Italia S.r.I.
2018-05

General disclaimer:

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

This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description:	LED Luminaire			
Trade Mark:	LUG LIGHT FACTORY Sp. z o.o.			
Manufacturer	Same as applicant			
Model/Type reference:	Urbino Plus			
Ratings	195 W 220-240 V ~ 5	0/60 Hz IP 66		
Responsible Testing Laboratory (as appli	cable), testing procedu	ure and testing location(s):		
Testing Laboratory:	UL International Italia S	.r.l.		
Testing location/ address	Via delle Industrie 5 & 6	6 20061 Carugate (MI) Italy		
Associated Testing Laboratory:				
Testing location/ address				
Tested by (name, function, signature)	Fausto Pedroni (Project Handler)	Fousto Recham		
Approved by (name, function, signature).	Walter Parmiani (Reviewer)	Helter Porceiani		
Iesting procedure: CTF Stage 1:				
Testing location/ address	Testing location/ address			
Tested by (name, function, signature)				
Approved by (name, function, signature).				
Testing procedure: CTF Stage 2:				
Testing location/ address				
Tested by (name + signature)				
Witnessed by (name, function, signature)				
Approved by (name, function, signature).				
Testing procedure: CTF Stage 3:				
Testing procedure: CTF Stage 4:				
Testing location/ address				
Tested by (name, function, signature)				
Witnessed by (name, function, signature)				
Approved by (name, function, signature).				
Supervised by (name, function,				

List of Attachments (including a total number of pages in each attachment):					
Photos	Photos (Enclosure 1): 2 pages				
Summary of	testing:				
Tests perform	ned (name of test and test clause):			Testing location:	
IK 09 (IEC 62262 with IEC 60068-2-75)	Degree of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	Applicable	Pass	UL International Italia S.r.I. Via delle Industrie 5 & 6 20061 Carugate (MI) Italy	
	TEST RESULTS WEF				
Ine measurement uncertainties stated in this Test Report are estimated according to the Quality Procedure 23-CL-G0025. If requested, UL International Italia S.r.I. will be able to estimate the uncertainty contribution for all the quantities stated in this Test Report. Where not otherwise specified or communicated in writing, statements of conformity (e.g. Pass/Fail) are established according to the following decision rule: Considering that the applied test standards take measurement uncertainty into account, acceptance limit equals the tolerance limit (Accuracy Method). This leads to a maximum 50 % of false accept or false reject when the measured value equals the tolerance limit. See ILAC-G8:09/2019 for further details. Test and measuring equipment used have been recorded into Internal UL Instrument's Database (Aurora project number 1001138039). Summary of compliance with National Differences: The product fulfils the requirements of EN 62262:2002 and EN 60068-2-75:2014 (IK 09 Test)					
Copy of marking plate:					

Test item particulars
Classification of installation and use Class I
Supply Connection
·
Possible test case verdicts:
- test case does not apply to the test object : N/A
- test object does meet the requirement P (Pass)
- test object does not meet the requirement : F (Fail)
Testing
Date of receipt of test item: 2021-02-09
Date (s) of performance of tests: 2021-03-01 to 2021-03-12
General remarks:
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.
Throughout this report a $oxtimes$ comma / $oxtimes$ point is used as the decimal separator.

General product information:

LED Luminaire for streetlighting equipped with 96 LEDs and integrated electronic control gear.

Tested model:

Luminaire code	Model Number	Electrical Ratings
Urbino Plus	130222.2L241.381.001	195 W 220-240 V~ 50/60 Hz

Table of components:

Component	Nr.	Manufacturer	Type / Model	Ratings / Technical data
LED Control gear	1	OSRAM	OT200/UNV/1A0 2DIM P7	120-277 V~ 50/60 Hz
LED Chip	96	CREE	XPG3	4000 K
Optic	1	-	-	Plastic
Glass	1	-	-	Transparent glass

Clause Requirement + Test	Result - Remark
---------------------------	-----------------

Degree by enclosu against externa	IEC 62262 (ed. 1) Degree of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)		
- Classification according to IK co	ode: IK 09	—	
- Impact Energy (J)	10	—	
- Impact test equipment	: Free fall (mass: 5 kg height: 200	, mm)	
- Number samples tested	1	_	
- Parts tested	: Light emitte and metallic	r surface (glass) — c enclosure.	
- Number of impact	5 on each e	xposed face. —	
- Ambient temperature (°C)	: 25	—	
- Precondition	: The luminai coordinated test at 60°C clause 12.3	res have been with endurance as requested in IEC/EN 60598-1	
- Test evaluation	After the tes No breakag enclosure, r glass and no hazardous p parts.	st: es on metallic no breakages on o access to parts and live	

Enclosure 1 Photos



Enclosure 1 Photos

