Test Report issued under the responsibility of:

PARTIAL TEST REPORT
IEC 60598-2-3
Luminaires
Part 2: Particular requirements
Section 3: Luminaires for road and street lighting

Report Number. ..... :	**4791757619.1**
Date of issue ..... :	2025-07-09
Total number of pages ..... :	8 including attachments
Name of Testing Laboratory preparing the Report ..... :	UL International Italia S.r.l.
Applicant's name ..... :	**Exalight ApS**
Address ..... :	**Hejreskovvej 15** **Kvistgaard** **Denmark**
Test specification:	
Standard ..... :	Only Clauses 3.12 (Endurance Test) and 3.13 (IP 66 Test) of IEC 60598-2-3 (ed. 3) in conjunction with IEC 60598-1 (ed. 9).
Test procedure ..... :	Informative Test Report
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC60598-2-3-IP-C
Test Report Form(s) Originator .... :	UL International Italia S.r.l.
Master TRF ..... :	2019-12

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 for streetlighting		
Trade Mark ..... :	Exalight		
Manufacturer ..... :	Same as applicant		
Model/Type reference ..... :	Shell LN30		
Ratings ..... :	220-240 V AC – 50-60 Hz – 15 W – Class II		
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
☒ **Testing Laboratory:**	UL International Italia S.r.l.		
Testing location/ address.....:	Via delle Industrie 5, 6 & 7 - 20061 Carugate (MI) - Italy		
☐ **Associated Testing Laboratory:**			
Testing location/ address.....:			
Tested by (name, function, signature).....:	Giovanni Di Martino (Project Handler)		
Approved by (name, function, signature)...:	Luca Nobile (Reviewer)		
☐ **Testing procedure: CTF Stage 1:**			
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, signature) :			

List of Attachments (including a total number of pages in each attachment):

Photos (Enclosure 1): 1 pages

Summary of testing:

Tests performed (name of test and test clause):				**Testing location:**
3.12	Endurance Test	Applicable	Pass	UL International Italia S.r.l. Via delle Industrie 5, 6 & 7 - 20061 Carugate (MI) Italy
3.13	Resistance to dust, solid objects	Applicable	Pass	

TEST RESULTS WERE FAVOURABLE

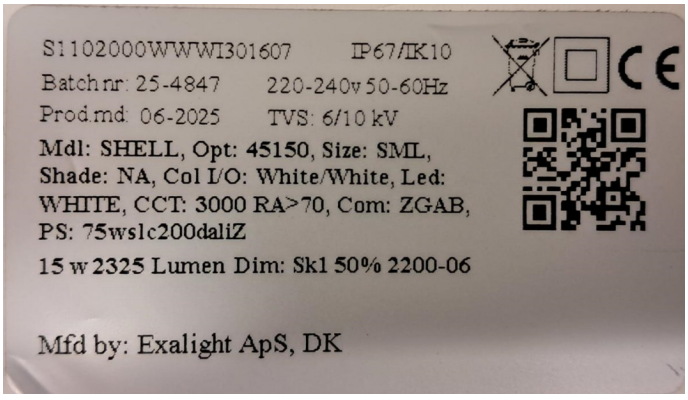
The measurement uncertainties stated in this Test Report are estimated according to the Quality Procedure 23-CL-G0025.
If requested, UL International Italia S.r.l. will be able to estimate the uncertainty contribution for all the quantities stated in this Test Report.
Where not otherwise specified or 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 1001292628).

Summary of compliance with National Differences:

☒ The product fulfils the requirements of EN 60598-2-3:2003 + A1:2011 (Only clauses 3.12 (Endurance Test) and 3.13 (IP 66 Test) used in conjunction with EN 60598-1:2015 + A11:2022

Copy of marking plate:



Test item particulars ..... :	
Classification of installation and use ..... :	Class II
Supply Connection ..... :	Supply leads
..... :	
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 ..... :	2025-06-10
Date (s) of performance of tests ..... :	2025-06-17 to 2025-07-02

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 ☒ comma / ☐ point is used as the decimal separator.

Clause numbers between brackets refer to clauses in IEC 60598-1.

General product information:

LED luminaire for streetlighting with pole mounting installation. The luminaire is provided with 368 LEDs rated 3000 K CRI 83.

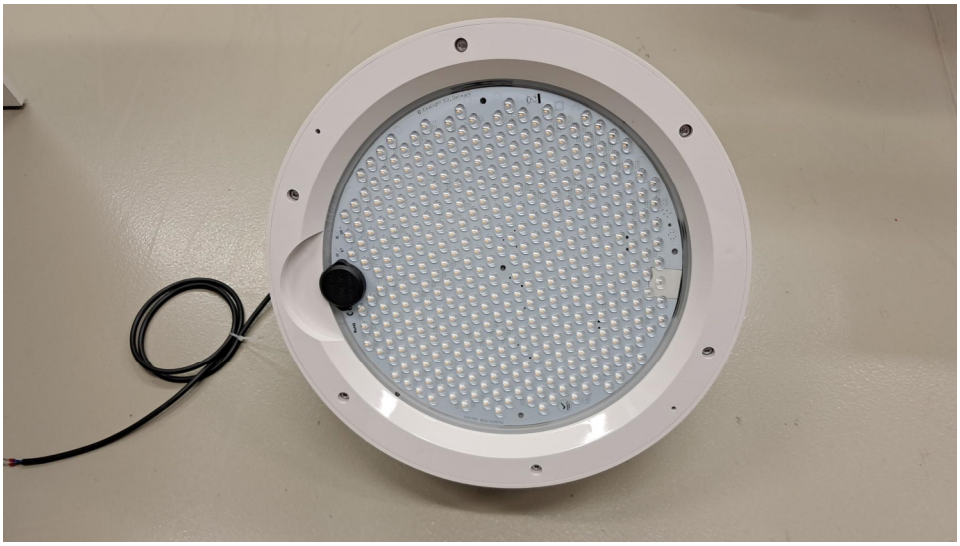
Clause	Requirement + Test	Result - Remark	Verdict
3.12 (12)	**ENDURANCE TEST AND THERMAL TEST**		**P**
3.12.2 (-)	If IP > IP 20 relevant test of (12.4), (12.5) and (12.6) after (9.2) before (9.3) specified in 3.13		—
3.12 (12.3)	**Endurance test:**		**P**
	a) mounting-position .....:	Pole arm	—
	b) test temperature (°C) .....:	35	—
	c) total duration (h) .....:	240	—
	d) supply voltage (V) .....:	1,1 x 240 V = 264 V	—
	d) if not equipped with controlgear, constant voltage/current (V) or (A) .....:	-	—
	e) luminaire ceases to operate		—
3.12 (12.3.2)	After endurance test:		P
	- no part unserviceable		P
	- luminaire not unsafe		P
	- no damage to track system		N/A
	- marking legible		P
	- no cracks, deformation etc.		P

3.13 (9)	**RESISTANCE TO DUST AND MOISTURE**		**P**
3.13.1 (-)	If IP > IP 20 the order of tests as specified in clause 3.12		P
3.13 (9.2)	Tests for ingress of dust, solid objects and moisture:		-
	- classification according to IP .....:	IP 66	—
	- mounting position during test.....:	Pole arm	—
	- fixing screws tightened; torque (Nm) .....:	-	—
	- tests according to clauses .....:	9.2.2 and 9.2.7	—
	- electric strength test afterwards	2960 V	P
	a) no deposit in dust-proof luminaire		N/A
	b) no talcum in dust-tight luminaire	No traces of talcum inside	P
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard		N/A
	c.1) For luminaires without drain holes – no water entry	No traces of water inside	P
	c.2) For luminaires with drain holes – no hazardous water entry		N/A
	d) no water in watertight or pressure watertight luminaire		N/A
	e) no contact with live parts (IP 2X)		P

Clause	Requirement + Test	Result - Remark	Verdict
	e) no entry into enclosure (IP 3X and IP 4X)		P
	e) no contact with live parts through drain holes and ventilation slots (IP3X and IP4X)		N/A
	f) no trace of water on part of lamp requiring protection from splashing water		N/A
	g) no damage of protective shield or glass envelope		P

Enclosure 1	Photos

Photograph No. 1 General view of the luminaire



Photograph No. 2 General view of the luminaire