













Test Report No.:	28225868 001	Page 1 of 11																								
Client:	Havells-Sylvania Europe Ltd. BN9 0ED Newhaven, Avis Way, United Kingdom																									
Manufacturer:	Lumino-Tech Világítástechnikai Kft. 1037 Budapest, Kunigunda útja 18., Hungary																									
Test item:	Luminaire for road and street lighting																									
Identification:	LONDON LED LANTERN 650 22900/740 157W IP66 210-250V 50-60Hz IK08	Serial No.: 4170450																								
Receipt No.:	2015/00012/002	Date of receipt: 2015-01-19																								
Testing location:	TÜV Rheinland InterCert Kft., MEEI Division H-1135 Budapest, Béke utca 43., Hungary																									
Test specification:	---																									
Test result:	The requested parameters were measured; the test results are listed in the test report.																									
Testing laboratory	TÜV Rheinland InterCert Kft., MEEI Division H-1132 Budapest, Váci út 48/A-B., Hungary																									
<table style="width: 100%; border: none;"> <tr> <td colspan="3">Tested by:</td> <td colspan="3">Reviewed by:</td> </tr> <tr> <td style="width: 15%;">2015-01-20</td> <td style="width: 30%;">Balázs György trainee</td> <td style="width: 20%; text-align: center;"></td> <td style="width: 15%;">2015-01-20</td> <td style="width: 30%;">Imre Király testing engineer</td> <td style="width: 20%; text-align: center;"></td> </tr> <tr> <td>2015-01-20</td> <td>Tamás Novotny testing engineer</td> <td style="text-align: center;"></td> <td>2015-01-20</td> <td>Imre Király testing engineer</td> <td style="text-align: center;"></td> </tr> <tr> <td>Date</td> <td>Name / Position</td> <td>Signature</td> <td>Date</td> <td>Name / Position</td> <td>Signature</td> </tr> </table>			Tested by:			Reviewed by:			2015-01-20	Balázs György trainee		2015-01-20	Imre Király testing engineer		2015-01-20	Tamás Novotny testing engineer		2015-01-20	Imre Király testing engineer		Date	Name / Position	Signature	Date	Name / Position	Signature
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Date	Name / Position	Signature	Date	Name / Position	Signature																					
Other Aspects: Rated data: 210-250V; 50-60Hz; 157W; Class I; IP66; IK08																										
Abbreviations: <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;">P(ass)</td> <td style="width: 10%;">=</td> <td style="width: 80%;">passed</td> </tr> <tr> <td>F(ail)</td> <td>=</td> <td>failed</td> </tr> <tr> <td>N/A</td> <td>=</td> <td>not applicable</td> </tr> <tr> <td>N/T</td> <td>=</td> <td>not tested</td> </tr> </table>			P(ass)	=	passed	F(ail)	=	failed	N/A	=	not applicable	N/T	=	not tested												
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<p>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</p>																										

Note(s):

- The luminaire can be equipped with a Philips Xitanium 150W 0.10-1.05A Prog+ GL-F sXt.
- Tested luminaire was stabilized 5 min before all of tests.
- The manufacturer declares that the device only has automatic dimming function, performing automatic dimming with internal timer in two dimming states: 50% and 100%. These two dimming states were set manually on the driver using a resistor.
- During the test, the lamp was measured from stabilized power supply and the active power and total power were measured in the voltage range of 210V to 250V in 10V steps.

Manufacturing location: Lumino-Tech Világítástechnikai Kft.
1037 Budapest, Kunigunda útja 18., Hungary

Contents:

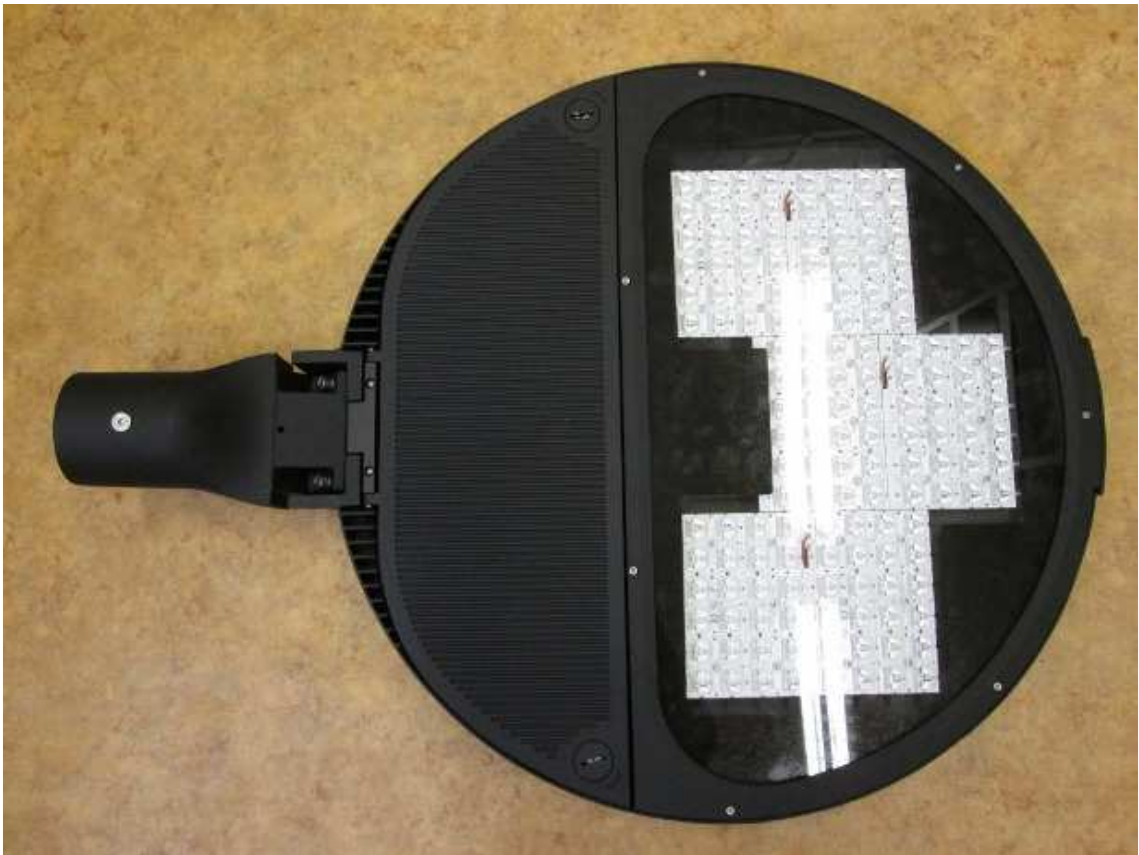
LONDON LED LANTERN (Sample 1)	6
LONDON LED LANTERN (Sample 2)	7
LONDON LED LANTERN (Sample 3)	8
LONDON LED LANTERN (Sample 4)	9
LONDON LED LANTERN (Sample 5)	10

Rated plate (example):

LONDON LED LANTERN 650
22900/740 157W IP66
210-250V 50-60Hz IK08
SERIAL Nr.: 4170450



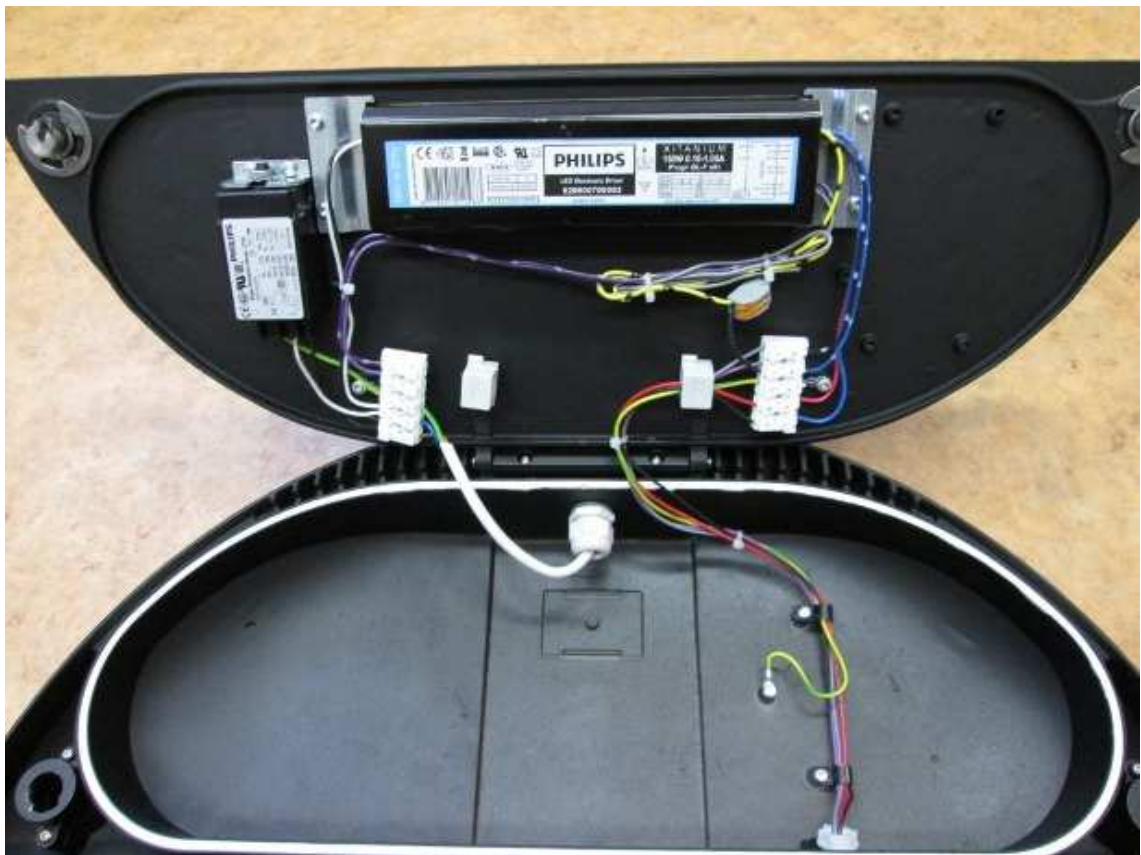

Photo of the luminaire:



Internal photos:

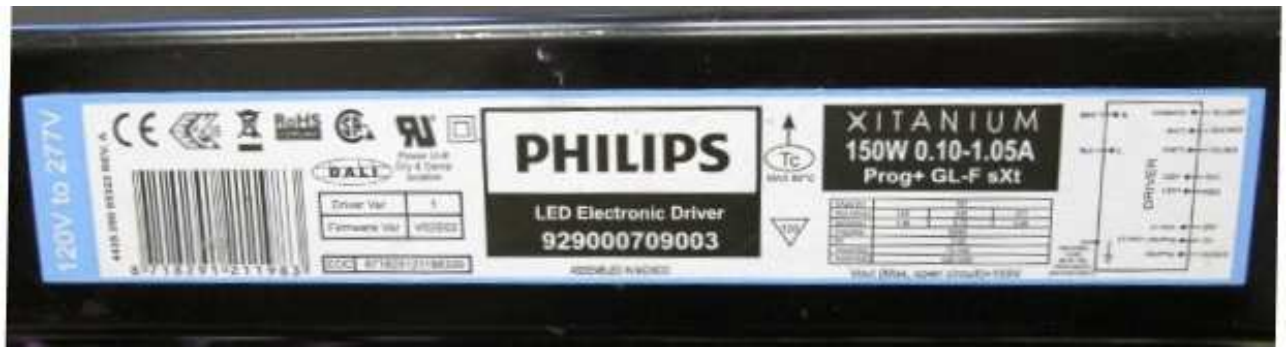


(Maximal dimmer state)



(Minimal dimmer state)

Rated plate of the driver used:



Philips driver (Xitanium 150W 0.10-1.05A Prog+ GL-F sXt)

Measurement ref. No.: <div style="text-align: right; margin-top: 5px;">28225868 001</div>	LONDON LED LANTERN (Sample 1)																																			
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Test instruments used:

Denomination	Manufacturer	Type	Serial No.	Next calibration	Applied
Power supply	Kikusui	PCR 2000L	A0000449	2015-06	<input checked="" type="checkbox"/>
Digital flickermeter -real time harmonic analyser	PMM	PMM 1000	H90598	2015-07	<input checked="" type="checkbox"/>

Note(s): ---

Photo(s) on the measuring arrangement:

