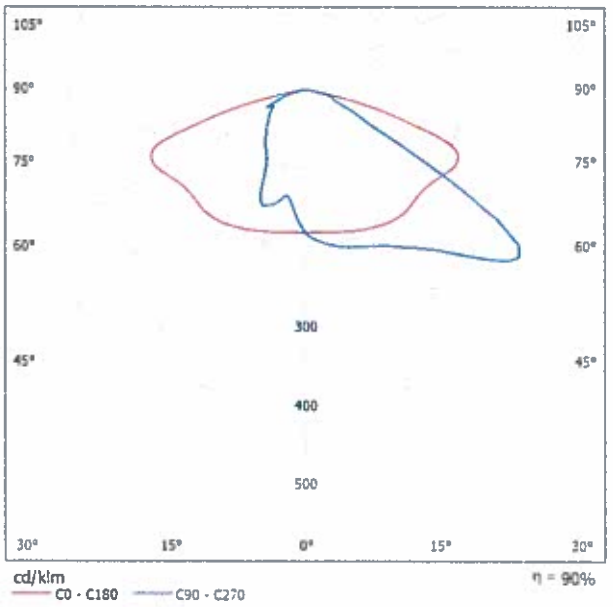
Zpracovatel
Telefon
Fax
e-mail

PHILIPS BGP615 T25 DW10 / Datový list svítidla

Výstup světla 1:

Obrázek svítidla najdete v našem katalogu svítidel.



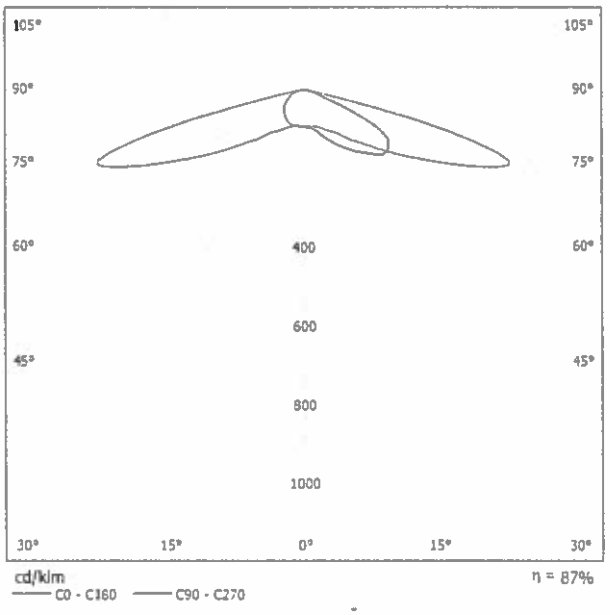
Klasifikace svítidel dle CIE: 100
Kód CIE Flux Code: 33 72 97 100 90

Zpracovatel
Telefon
Fax
e-mail

PHILIPS BGP615 T25 DW50 / Datový list svítidla

Výstup světla 1:

Obrázek svítidla najdete v našem katalogu svítidel.



Klasifikace svítidel dle CIE: 100
Kód CIE Flux Code: 23 59 95 100 87

Výkonové nastavení svítidla Philips BGP615 T25

19.8.2016

Volba počtu LED a výkonové nastavení použitých svítidel (nástroj I-tune):
je uvažován ustálený stav při okolní teplotě svítidla 25°C

4000 K:
Philips BGP615 T25 12LED 4000K 2600lm CLO 19-20W 100kh CLI 42-60
Philips BGP615 T25 20LED 4000K 5200lm CLO 38-40W 100kh CLI 42-60

Světelná účinnost:

4000 K:
Philips BGP615 T25 12LED 4000K 2600lm CLO 19-20W 100kh CLI 42-60
- sv. zdroje: 130 lm/W vč. ztráty na předřadníku; svítidla: 118 lm/W s optikou DN10

Philips BGP615 T25 20LED 4000K 5200lm CLO 38-40W 100kh CLI 42-60
- sv. zdroje: 130 lm/W vč. ztráty na předřadníku; svítidla: 118 lm/W s optikou DN10

3000 K:
Philips BGP615 T25 12LED 3000K 2100lm CLO 19-20W 100kh CLI 42-60
- sv. zdroje: 105 lm/W vč. ztráty na předřadníku; svítidla: 95 lm/W s optikou DN10

Philips BGP615 T25 20LED 3000K 4100lm CLO 38-40W 100kh CLI 42-60
- sv. zdroje: 103 lm/W vč. ztráty na předřadníku; svítidla: 93 lm/W s optikou DN10

Vysvětlivky:
Colour temperature – Barva světla; neutral white – neutrální bílá, warm white – teplá bílá
Flux – Světelný tok zdroje, ustálený při okolní teplotě svítidla 25 °C
Requested expected lifetime – Požadovaná doba života
Dim option – Režim stmívání (kalkulace provedena bez stmívání; lze nastavit libovolný režim stmívání dle požadavků zadavatele; prodlouží životnost)
Luminaire type – Typ svítidla
Basic Insulation class – Třída ochrany el. zařízení
System power (minimum) – Příkon svítidla na počátku životnosti
System power (maximum) – Příkon svítidla na konci životnosti
Consumed power over lifetime – Spotřeba za dobu života svítidla
Power Factor - účiník

Requested parameters

Project name	
Colour temperature	Neutral White
Flux	2600 lm @ CLO
Requested lumen depreciation	CLO
Requested expected lifetime	100 000
Dim option	NO_DIMMING

Solution

Luminaire type	Micro Luma
Basic insulation class	Class I
Number of LED	12 LED
System power (minimum)	19 Watt
System power (maximum)	20 Watt
Consumed power over lifetime	1 982 kWh
Minimal realized flux	2 600
Power Factor (100%)	0.96
Lighting Regulation	NONE
Driver Code	Q00
Drivers Code Key	17:0:0
Program Code	8VFPPPM0A18W (http://www.i-tune.net/results/decode?code=8VFPPPM0A18W)

Requested parameters

Project name	
Colour temperature	Neutral White
Flux	5200 lm @ CLO
Requested lumen depreciation	CLO
Requested expected lifetime	100 000
Dim option	NO_DIMMING

Solution

Luminaire type	Micro Luma
Basic insulation class	Class I
Number of LED	20 LED
System power (minimum)	38 Watt
System power (maximum)	40 Watt
Consumed power over lifetime	3 955 kWh
Minimal realized flux	5 200
Power Factor (100%)	0.99
Lighting Regulation	NONE
Driver Code	Q00
Drivers Code Key	17:0:0
Program Code	8VFPPPM098AL (http://www.i-tune.net/results/decode?code=8VFPPPM098AL)

Requested parameters

Project name	
Colour temperature	Warm White
Flux	2100 lm @ CLO
Requested lumen depreciation	CLO
Requested expected lifetime	100 000
Dim option	NO_DIMMING

Solution

Luminaire type	Micro Luma
Basic insulation class	Class I
Number of LED	12 LED
System power (minimum)	19 Watt
System power (maximum)	20 Watt
Consumed power over lifetime	1 946 kWh
Minimal realized flux	2 100
Power Factor (100%)	0.96
Lighting Regulation	NONE
Driver Code	Q00
Drivers Code Key	17:0:0
Program Code	8VFPPPIZ97C9 (http://www.i-tune.net/results/decode?code=8VFPPPIZ97C9)

Requested parameters

Project name	
Colour temperature	Warm White
Flux	4100 lm @ CLO
Requested lumen depreciation	CLO
Requested expected lifetime	100 000
Dim option	NO_DIMMING

Solution

Luminaire type	Micro Luma
Basic insulation class	Class I
Number of LED	20 LED
System power (minimum)	38 Watt
System power (maximum)	40 Watt
Consumed power over lifetime	3 955 kWh
Minimal realized flux	4 100
Power Factor (100%)	0.99
Lighting Regulation	NONE
Driver Code	Q00
Drivers Code Key	17:0:0
Program Code	8VFPPPM0D672 (http://www.l-tune.net/results/decode?code=8VFPPPM0D672)

Philips Lighting

PHILIPS

EC Declaration of Conformity

We, Philips Lighting Poland Sp. z o. o.
Oddział w Kętrzynie
ul. Chrobrego 8, 11-400 Kętrzyn

Internal Ref. Nr.: 0001/A/PLP
Year in which CE Mark was first affixed: 15

Declare under our responsibility for the product(s):

Product Range:	**NAME:** MicroLuma **DESCRIPTION:** Luminaires for road and street lighting
Product Code:	BGP615...I... ; BGP615...II...; CL I, CL II; ~220÷240V, 50/60Hz; IP66; IK09; Ta35; max. <1,0 A; 20 LEDs,

The designated product(s) is (are) in conformity with the essential requirements of the following European Directives and harmonized standards:

Low Voltage Directive (LVD), 2006/95/EC

- EN 60598-1:2008/A11:2009 Luminaires. Part 1: General requirements and tests
  EN 60598-2-3:2003/A1:2011 Luminaires. Part 2-3: Particular requirements - Luminaires for road and street lighting

Electromagnetic compatibility Directive (EMC), 2004/108/EC

- EN 55015:2013 Limits and methods of measurements of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61547:2009 Equipment for general lighting purposes - EMC immunity requirements
- EN 61000-3-2:2006/A2:2009 Limits for (≤ 16A per phase) harmonic currents emission
- EN 61000-3-3:2013 Limits. (Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rate current ≤ 16A)

Additional requirements

- EN 62493:2010 Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 62471:2008 Photobiological safety of lamps and lamp system

Restriction of the use of certain Hazardous Substances in electrical and electronic equipment Directive (RoHS), 2011/65/EU

- EN 50581:2012 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

The Quality Laboratory PLP /O K performed testing and issued the CE declaration.

and is/are produced under a quality scheme at least in conformity with ISO 9001 or CENELEC permanent documents.

2015-06-01 Kętrzyn

Maciej Drelichowski
IPSC Supply Chain Manager
Luminaires Ketrzyn

Signature: .....

Quality Laboratory Ketrzyn

PHILIPS

Report N° 1428919568
IK test

Date:06-05-2015

To :	Tomasz Wróblewski	Quality Project Leader
Copy :	Dariusz Pierzchanowski	Quality Laboratory Manager
From :	Dalida Fuks	Laboratory Assistant

Cause of request : QTP

Additional informations :

TECHNICAL DATA OF LUMINAIRE

Designation luminaire:	Road and street lighting
Family code :	BGP615
Family name :	MicroLuma
Led/Lamp Module :	MicroLuma Philips Rev.1
Driver / Ballast :	Xitanium 27W 0.7A
Electrical Class :	I
IP classification :	66
IK Classification :	09
Luminaire installation :	Post top/side entry
Ta (°C) :	35
Un (V) :	220-240
Revised/Relased component (12NC) :	-
Deliver of component :	-

IK TEST ACCORDING TO :	**Choose**
IEC 62262 First Edition 2002-02 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) five impacts in each exposed face , no more than three impacts applied surroundings of same point of enclosure	☒
IEC 60598-1 /8th edition of the May 2014 section 4.13	☐
PN-IEC 598-2-1+A1/Ap1 edition of the October 2000 section 2.6	☐
PN-EN 60598-2-2 edition of the December 2012 section 2.7	☐
PN-EN 60598-2-3:2003/A1 edition of the May 2011 section 3.6.5	☒
PN-EN 60598-2-4 edition of the January 2002section 4.6	☐
PN-EN 60598-2-5:1998 edition of the July 2000 section 5.6.8	☐
PN-EN 60598-2-18 edition od the January 2002 section 18.6	☐

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Report N° 1428919568

IK test

Date:06-05-2015

PN-EN 60598-2-19 edition of the September section 19.6	☐
PN-EN 60598-2-22 edition of the September 2004 section 22.6	☐
PN-EN 60598-2-24 edition of the July 2008 section 24.6	☐
PN-EN 60598-2-25edition of the July 2000 section 25.6	☐

EQUIPMENTS :	**Choose**
Measuring device : Vertical hammer Ehc UP058	☒

Atmospheric condition for tests		P	F	NA
Environment temperature (15~ 35°C)	25°C	☒	☐	☐
Relative humidity (25 ~ 75%)	27%	☒	☐	☐
Atm. pressure (860 ~1060 mbar)	980mbar	☒	☐	☐

Impact Energy (IK Code) need Tests		**Choose**
Code IK 02	0.2 J	☐
Code IK 03	0.35 J	☐
Code IK 04	0.5 J	☐
Code IK 05	0.7 J	☐
Code IK 06	1 J	☐
Code IK 07	2 J	☐
Code IK 08	5 J	☐
Code IK 09	10 J	☒
Code IK 10	20J	☐
>Code IK 10 please note Value in J	xxJ	☐

Report N° 1428919568

IK test

Date:06-05-2015

Sample no. 1

Requested IK value	IK	X
	IK	09

Obtained IK value	IK	X
	IK	09

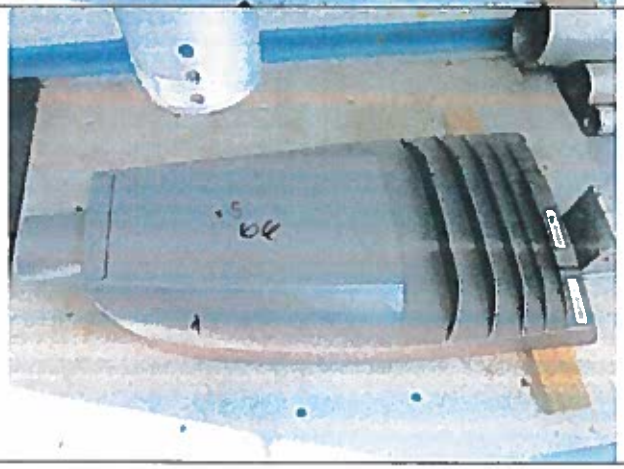
The luminaire tested fulfils with the required IK?	YES	NO
	☒	☐

Test result	***PASS***	***FAIL***	***N/A***
	☒	☐	☐

PHOTOS

Comments

Bottom



Top

Report N° 1428919568

IK test

Date:06-05-2015

Sample no. 2

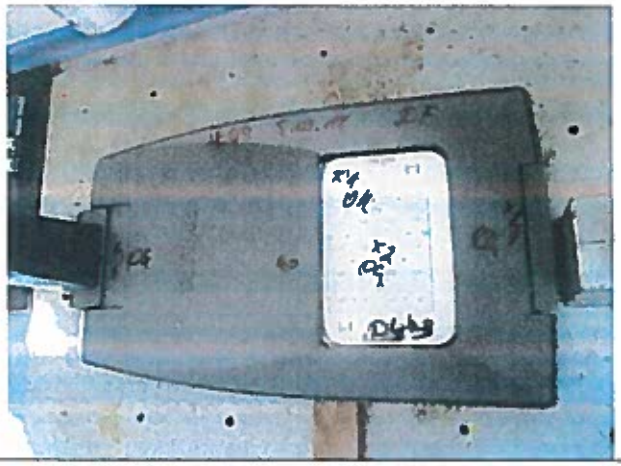
Requested IK value	IK	X
	IK	09

Obtained IK value	IK	X
	IK	09

The luminaire tested fulfils with the required IK?	YES	NO
	☒	☐

Test result	***PASS***	***FAIL***	***N/A***
	☒	☐	☐

PHOTOS



Comments

Bottom

Report N° 1428919568

IK test

Date:06-05-2015

Sample no. 3

Requested IK value	IK	X
	IK	09

Obtained IK value	IK	X
	IK	09

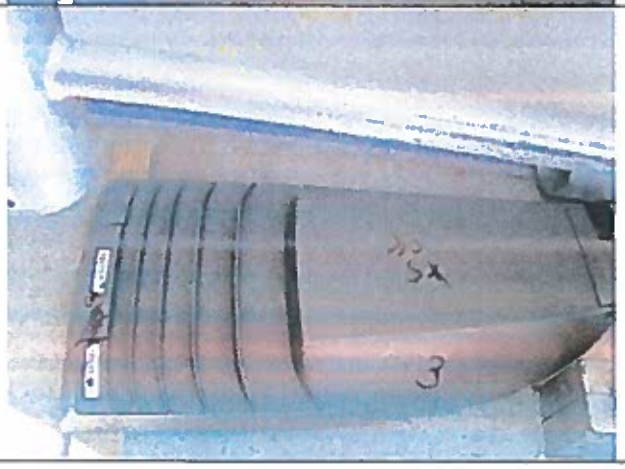
The luminaire tested fulfils with the required IK?	YES	NO
	☒	☐

Test result	PASS	FAIL	N/A
	☒	☐	☐

PHOTOS

Comments

Bottom



Top

Report N° 1428919568
IK test

Date:06-05-2015

CONCLUSION :	

Date of testing **05.05.2015** **by** **Dalida Fuks** D.Fuks

Date of validate **06.05.2015** **by** **Dariusz Pierzchanowski**

PHILIPS

Quality Laboratory KETRZYN

Report N°1427960621

IP test **Date:** 18-03-2015

To : Tomasz Wróblewski
Quality Project Leader

Copy :Dariusz PIERZCHANOWSKI
Quality Laboratory Manager

From : Dalida FUKS
LABORATORY ASSISTANT **Site KETRZYN Laboratory**
Tel: +48 89 678 21 73 Fax:+48 89 678 21 02

Subject : Product industrialization with 3 glass holders
Project : BGP615

Electrical Class : *I*
IP classification : IP 66
Luminaire installation: *side entry*
Ta (°C) : *35*
Un (V) : *220-240*
Luminaire description : *Engineering sample*
Brand : *Philips*

Test request : 1427960621

IP tests according to :
IEC 60598-2-3 Edition 3.1 2011 -11 & EN 60598-2-3 :2003/A1 May 2011 section 3.13
IEC 60598-1 8th edition of the May 2014 section 9.2

Equipments :

Measuring device: PTL Dr. Grabenhorst GmbH type P03.28PL S/N 5001274 - IP X6

☒ **IP test before endurance**

☐ **IP test after endurance***

* ***please note N° of Endurance test report***

Test for ingress of water, dust or solid objects		P	F	NA
Environment temperature (15- 35°C	25 °C	☒	☐	☐
Relative humidity (25 - 75%)	45 %	☒	☐	☐
Atm. pressure (860 -1060 mbar)	1010 mba	☒	☐	☐
Water temperature (15 ± 10 °C)	13 °C	☒	☐	☐

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Quality Laboratory KETRZYN

Report N°1427960621

IP test

Date: 18-03-2015

Glands torque	2,5 Nm	☒	☐	☐
Fixing screws of cover torque	2 Nm	☒	☐	☐
Screwed lids torque	Nm	☐	☐	☒
Solid object. Probe IP2X force	10 N	☐	☐	☒
Solid object. Probe IP3X force	3±10% N	☐	☐	☒
Solid object. Probe IP4X force	1±10% N	☐	☐	☒

Test result 1: ***PASS***

Luminaire sample no.1,2,3

Requested IP value	IP	X	X
Optical system	IP	x	6
Complete luminaire	IP	x	6

Obtained IP value	IP	X	X
Optical system	IP	x	6
Complete luminaire	IP	x	6

The luminaire tested fulfils with the required IP?	YES	NO
	☒	☐

PHILIPS

Quality Laboratory KETRZYN

Report N°1427960621

IP test **Date:** 18-03-2015

Comments

CONCLUSION :

Tested 18-03-2015 by Dalida FUKS

Quality Laboratory Ketrzyn

PHILIPS

Report N° 1428919227
Mechanical strength (impact) test **Date:**06-05-2015

To :	Tomasz Wróblewski	Quality Project Leader
Copy :	Dariusz Pierzchanowski	Quality Laboratory Manager
From :	Dalida Fuks	Laboratory Assistant

Cause of request : QTP
Additional informations :

TECHNICAL DATA OF LUMINAIRE

Designation luminaire:	Road and street lighting
Family code :	BGP615
Family name :	MicroLuma
Led/Lamp Module :	MicroLuma Philips Rev.1
Driver / Ballast :	Xitanium 27W 0.7A
Electrical Class :	I
IP classification :	66
IK Classification :	09
Luminaire installation :	Post top/side entry
Ta (°C) :	35
Un (V) :	220-240
Revised/Relased component (12NC) :	-
Deliver of component :	-

MECHANICAL TEST ACCORDING TO :	Choose
IEC 60598-1 /8th edition of the May 2014 section 4.13	☒
PN-IEC 598-2-1+A1/Ap1 edition of the October 2000 section 2.6	☐
PN-EN 60598-2-2 edition of the December 2012 section 2.7	☐
PN-EN 60598-2-3:2003/A1 edition of the May 2011 section 3.6.5	☒
PN-EN 60598-2-4 edition of the January 2002section 4.6	☐
PN-EN 60598-2-5:1998 edition of the July 2000 section 5.6.8	☐
PN-EN 60598-2-18 edition od the January 2002 section 18.6	☐
PN-EN 60598-2-19 edition of the September section 19.6	☐
PN-EN 60598-2-22 edition of the September 2004 section 22.6	☐
PN-EN 60598-2-24 edition of the July 2008 section 24.6	☐

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Report N° 1428919227
Mechanical strength (impact) test **Date:**06-05-2015

PN-EN 60598-2-25edition of the July 2000 section 25.6 ☐

EQUIPMENTS :	**Choose**
Measuring device : Hammer spring PTL Dr. Grabenhorst GmbH UP014	☒

Atmospheric condition for tests		P	F	NA
Environment temperature (15~ 35°C)	25°C	☒	☐	☐
Relative humidity (25 ~ 75%)	27%	☒	☐	☐
Atm. pressure (860 ~1060 mbar)	980mbar	☒	☐	☐

Impact Energy need tests	Fragile parts	Other parts	**Choose**
Recessed luminaires , fixed general purpose and portable luminaires and portable luminaires for wall mounting	0.20 J	0.35J	☐
Portable floor and table luminaires, photo and film luminaires	0.35 J	0,50J	☐
Floodlights, road and street lighting luminaires, swimming-pools luminaires, portable garden luminaires and luminaires for children	0.50 J	0.70J	☒

Sample no. 1

Requested Impact value

Impact	0.70J

Obtained Impact value

Impact	0.70J

The luminaire tested fulfils with the required Impact?	YES	NO
	☒	☐

Test result	*PASS*	*FAIL*	*N/A*
	☒	☐	☐

Report N° 1428919227
Mechanical strength (impact) test **Date:**06-05-2015

PHOTOS	*Comments*