



ITE PREDOM Division
53, Krakowiaków Str.
02-255 WARSAW, POLAND

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LICENCE

to use the European Mark



Licence Nr. 096/ENEC/14

Under the conditions given in the following pages of this document, the licence to use the ENEC Mark in conjunction with the suffix 30, as shown above, has been issued to:

Philips Lighting Poland S.A. 64-920 Piła, ul. Kossaka 150
 O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland

For the product(s):

Luminaires for urban, road and street lighting

Trade name(s):

PHILIPS

Type(s)/Model(s):

TownGuide family, BDP001...II..., BDP002...II..., BDP100...II..., BDP101...II...,
 BDP102...II..., BDP103...II..., BDP104...II... -series (see Appendix)

Technical data: 220 – 240V, 50/60Hz, IP66, IK10, class II – details in the Appendix

Complying with the following European Standards:

EN 60598-2-3:2003
 EN 60598-2-3:2003/A1:2011
 EN 60598-1:2008
 EN 60598-1:2008/ A11:2009
 EN 62471:2008

(the test reports ref.No. BS-3/051/B/14+ Attachment No. 1 (EU GD and ND rep. ref. No. BS-3/051/B/1/14) dated 14.05.2014; BS-3/052/B/14+ Attachment No. 1(EU GD and ND rep. ref. No. BS-3/052/B/1/14) dated 14.05.2014 / ITE PREDOM Division

Date: 16-05-2014

Signature:

Name: Joanna Walczak-Ziótkowska

Aleksander Piotrowski

Position: Manager of Certification
Office

Deputy Director

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification. The ENEC certification mark may be applied to the products as specified in this licence for the duration of the Licence Agreement. No. R6/ENEC/02/10 dated 2010-02-09 and under conditions of the Licence agreement. This licence is issued on 16-05-2014 and expires upon withdrawal any of the above mentioned standards.

Additional information – see the Appendix.



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APPENDIX TO THE CERTIFICATE Ref. No. 096/ENEC/14 – page 1/4

Name and address of the license holder:	Philips Lighting Poland S.A. 64-920 Piła, ul. Kossaka 150 O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Address of the factory:	Philips Lighting Poland S.A. 64-920 Piła, ul. Kossaka 150 O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Name of product:	Luminaires for urban, road and street lighting
Type (model):	TownGuide family, BDP001...II..., BDP002...II..., BDP100...II..., BDP101...II..., BDP102...II..., BDP103...II..., BDP104...II... -series (see below)
Trade mark :	PHILIPS
Technical data:	
rated voltage	220-240V
rated current	max. 0,68A
rated frequency	50/60Hz
no. of lamps	60 - 240 LEDs
type of lamp	LED
protection against electric shock	class II
degree of protection	IP 66; IK10
classification of the luminaires, with respect to the supporting material	normal
mains connections	Connection block/ supply cord
ta	35°C

List of the luminaires

Choice sheet of the luminaires TownGuide family, BDP001...II..., BDP002...II..., BDP100...II..., BDP101...II..., BDP102...II..., BDP103...II..., BDP104...II... -series:

Example:

BDP101 ECO70/840 II DS PCF 7045 MSP D4 50% 5 62P

1 2 3 4 5 6 7 8 9 10 11 12

Designations used on the marking of luminaries:

- | | |
|----------------------------------|--|
| 1. BDP001/BDP002/BDP100 - BDP104 | - Code of the series |
| 2. ECO70/GRN70 | - LED engine flux(x100) [lumen]
range: from ECO20 to ECO120 and
range: from GRN12 to GRN70 |
| 3. 830/840/850 | - LED engine version/color – CRI>80 / WW 3000K,
NW 4000K, CW 500K |
| 4. II | - Safety Class II |
| 5. DS/DN/DM/DW/DRW | - Optic DS, DN, DM, DW, DRW– Road and symmetrical distribution |
| 6. PCC/PCF | - Bowl PCC / PCF - Clear bowl / Frosted bowl |
| 7. SI/ALU/BK/GR | - Standard colour - Silver Ral 9006, Aluminium Ral 9007, Black Ral 9005,
Grey Ral 7035 |
| 7. xxxx/xx-xxxx | - RAL Colour, Colour Choice AKZO |
| 8. MSP | - Marine salt protected coating |
| 9. CLO | - Constant lumen output |
| 9. DDF1/DDF2/DDF3 | - DynaDimmer with fixed presets version |
| 9. LS-6/LS-8 | - DynaDimmer with fixed presets version / Lumistep 6/8 hours 50% |
| 9. CLO-DDF1/CLO-DDF2/CLO-DDF3 | - CLO + DynaDimmer with fixed presets version |
| 9. CLO-LS-6/CLO-LS-8 | - CLO + DynaDimmer with fixed presets version / Lumistep 6/8 hours 50% |
| 9. D4 | - Dimming via SDU01H |
| 9. D7 | - Dimming via external communication 1-10Vdc |
| 9. D9 | - Dimming via external communication DALI |
| 9. D13 | - Mains dimming (Ampdim) |
| 9. RF | - Radio frequency regulation |
| 10. 50%/66%/75% | - Light in dimming mode for D4 and D13 |
| 11. 4/5/6 | - Power cable 4m/5m/6m |
| 12. 62P/76P/48P/90P | - Type of spigot |



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List of LED's and electronic led driver's system:

LED's and electronic led driver system	PCB LED	Driver	Current
BDP00xECO20 (2000lm)	LGI 6030 V2 HX 30K30 – 2 pcs. LGI 6030 V2 HX 30K40 – 2 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,18A
BDP00xECO25 (2500lm)	LGI 6030 V2 HX 30K30 – 2 pcs. LGI 6030 V2 HX 30K40 – 2 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,23A
BDP00xECO30 (3000lm)	LGI 6030 V2 HX 30K30 – 2 pcs. LGI 6030 V2 HX 30K40 – 2 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,28A
BDP00xECO40 (4000lm)	LGI 6030 V2 HX 30K30 – 2 pcs. LGI 6030 V2 HX 30K40 – 2 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,39A
BDP00xECO50 (5000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,45A
BDP00xECO60 (6000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,55A
BDP00xECO70 (7000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs.	Xitanium 75W 0.70A AOCSM 1-10 GL-Y sXt	max.0,68A
BDP10xGRN12 (1200lm)	LGI 6030 V2 HX 30K30 – 2 pcs. LGI 6030 V2 HX 30K40 – 2 pcs. LGI 6030 V2 HX 30K50 – 2 pcs.	Xitanium 40W 0.70A Prog+ GL-J sXt	max.0,2 A
BDP10xGRN15 (1500lm)	LGI 6030 V2 HX 30K30 – 2 pcs. LGI 6030 V2 HX 30K40 – 2 pcs. LGI 6030 V2 HX 30K50 – 2 pcs.	Xitanium 40W 0.70A Prog+ GL-J sXt	max.0,26 A
BDP10xGRN20 (2000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 40W 0.70A Prog+ GL-J sXt	max.0,34 A
BDP10xGRN25 (2500lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 40W 0.70A Prog+ GL-J sXt	max.0,45 A
BDP10xGRN30 (3000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 40W 0.70A Prog+ GL-J sXt	max.0,52 A
BDP10xGRN35 (3500lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 40W 0.70A Prog+ GL-J sXt	max.0,6 A
BDP10xGRN40 (4000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,36 A
BDP10xGRN50 (5000lm)	LGI 6030 V2 HX 30K30 – 6 pcs. LGI 6030 V2 HX 30K40 – 6 pcs. LGI 6030 V2 HX 30K50 – 6 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,3 A
BDP10xGRN60 (6000lm)	LGI 6030 V2 HX 30K30 – 8 pcs. LGI 6030 V2 HX 30K40 – 8 pcs. LGI 6030 V2 HX 30K50 – 8 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,52 A
BDP10xGRN70 (7000lm)	LGI 6030 V2 HX 30K30 – 8 pcs. LGI 6030 V2 HX 30K40 – 8 pcs. LGI 6030 V2 HX 30K50 – 8 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,6 A
BDP10xECO40 (4000lm)	LGI 6030 V2 HX 30K30 – 3 pcs. LGI 6030 V2 HX 30K40 – 3 pcs. LGI 6030 V2 HX 30K50 – 3 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,25 A
BDP10x ECO50 (5000lm)	LGI 6030 V2 HX 30K30 – 3 pcs. LGI 6030 V2 HX 30K40 – 3 pcs. LGI 6030 V2 HX 30K50 – 3 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,32 A
BDP10xECO60 (6000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,56 A
BDP10xECO70 (7000lm)	LGI 6030 V2 HX 30K30 – 4 pcs. LGI 6030 V2 HX 30K40 – 4 pcs. LGI 6030 V2 HX 30K50 – 4 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,68 A
BDP10xECO80 (8000lm)	LGI 6030 V2 HX 30K30 – 6 pcs. LGI 6030 V2 HX 30K40 – 6 pcs. LGI 6030 V2 HX 30K50 – 6 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,48 A
BDP10xECO90 (9000lm)	LGI 6030 V2 HX 30K30 – 6 pcs. LGI 6030 V2 HX 30K40 – 6 pcs. LGI 6030 V2 HX 30K50 – 6 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,56 A
BDP10xECO100 (10000lm)	LGI 6030 V2 HX 30K30 – 6 pcs. LGI 6030 V2 HX 30K40 – 6 pcs. LGI 6030 V2 HX 30K50 – 6 pcs.	Xitanium 100W 0.7A PROG+ GL-Z sXt	max.0,64 A
BDP10xECO110 (11000lm)	LGI 6030 V2 HX 30K30 – 8 pcs. LGI 6030 V2 HX 30K40 – 8 pcs. LGI 6030 V2 HX 30K50 – 8 pcs.	Xitanium 150W 0.20-0.35A Prog+ GL-H sXt	max.0,25 A
BDP10xECO120 (12000lm)	LGI 6030 V2 HX 30K30 – 8 pcs. LGI 6030 V2 HX 30K40 – 8 pcs. LGI 6030 V2 HX 30K50 – 8 pcs.	Xitanium 150W 0.20-0.35A Prog+ GL-H sXt	max.0,28 A


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List of components:

object/part No.	code	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity
Antenna	A	PHILIPS	LLC7300/00 STARSENSE WIRELESS 1- 10V/DALI	220-240V, 50- 60Hz, -30..+65°C, TC80°C	EN61347-2-11 EN 6137-1	ENEC 05
LED Module	B	Philips	LGI 6030 V2 HX 30K30	Umax=45V Imax=400mA	EN 62031	Tested and accepted by ITE PREDOM Division BS-3/062/B/14
LED Module	B	Philips	LGI 6030 V2 HX 30K40	Umax=45V Imax=400mA	EN 62031	Tested and accepted by ITE PREDOM Division BS-3/062/B/14
LED Module	B	Philips	LGI 6030 V2 HX 30K50	Umax=45V Imax=400mA	EN 62031	Tested and accepted by ITE PREDOM Division BS-3/062/B/14
Driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 150W 0.2 - 0.35A Prog+GL-H sXt	120 - 277V, 0.35A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC 05
Driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 100W 0.7A Prog+GL-Z sXt	120 - 277V, 0.7A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC 05
Driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 40W 0.7A Prog+GL-J sXt	120 - 277V, 0.7A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC 05
Driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 75W 0.7A AOOCM 1-10V GL-Y sXt	120 - 277V, 0.7A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC 05
Cable	C	Molex	R-set 100- 1800Ohm	300mm R-set 100- 1800Ohm	EN 60598-2-3	Tested together with the appliance
Terminal block	A	BJB	46.411	450V/16A	EN 60998-2-2	ENEC
Terminal block	A	Tridonic	SLK5 SKII	0,5-2,5mm ² , 450V, continuous working temp.85°C,	EN 60998-2-2	OVE
Terminal block	A	BJB	46.415.1211	0,5-2,5mm ² , 16A/450V	EN 61984	VDE, ENEC 10
Dimming	A	PHILIPS	SDU01H	220 - 240V, 50/60 Hz, Tc=85 °C	EN 61347-2-11 EN 61347-2-3	ENEC 05
Cable for mains	B	HELUKABEL	H07RN-F 4x1,5	1,5mm ² , 450/750V	VDE DIN 0282 part 4, HD 22.4 S4, BS7919 = IEC 60245-4 EN 60598-2-3	CE Tested together with the appliance
Cable for mains	B	HELUKABEL	H07RN-F 3x1,5	1,5mm ² , 450/750V	VDE DIN 0282 part 4, HD 22.4 S4, BS7919 = IEC 60245-4 EN 60598-2-3	CE Tested together with the appliance
Cable for mains	B	HELUKABEL	H07RN-F 2x1,5	1,5mm ² , 450/750V	VDE DIN 0282 part 4, HD 22.4 S4, BS7919 = IEC 60245-4 EN 60598-2-3	CE Tested together with the appliance
Connection block	A	Colosio	Connector M123NM/2-P male LN	Up to 4mm ² , 32A/400V, T=125°C	EN 61984	IMQ
Connection block	A	Colosio	Connector M123NM/Q male LN12	Up to 4mm ² , 32A/400V, T=125°C	EN 61984	IMQ
Connection block	A	Colosio	Connector M123NF/2-P female LN	Up to 4mm ² , 32A/400V, T=125°C	EN 61984	IMQ
Connection block	A	Colosio	Connector M123NF/Q female LN12	Up to 4mm ² , 32A/400V, T=125°C	EN 61984	IMQ



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object/part No.	code	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity
Wire	A	SILICABLE	RECSC 0,75MM2 black	H05SS-U 1x0,75	HD 21...	VDE
Wire	A	SILICABLE	RECSC 0,75MM2 white	H05SS-U 1x0,75	HD 21...	VDE

The codes above have the following meaning:

- A - The component is replaceable with another one, also certified, with equivalent characteristics
- B - The component is replaceable if authorised by the ITE PREDOM Division
- C - Integrated component tested together

Certification Body: **ITE PREDOM Division**

Place: **WARSAW**

Signed: **Manager of Certification
Office**

Deputy Director

Date: **16-05-2014**



 Joanna Walczak-
 Zlotkowska



 Aleksander Piotrowski