



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

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to use the ENEC+ Mark



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Signify Poland Sp. z o.o. O/Kętrzyn
ul. Chrobrego 8, 11-400 Kętrzyn, Poland

For the product: *Dla wyrobów:*

Luminaires for road and street lighting *Oprawy oświetleniowe drogowe i uliczne*

Trade name(s): *Znak towarowy:*

PHILIPS

Type(s)/Model(s): *Typ(y), model(e):*

ClearWay gen2 BGP307...II...- series (details – see the Appendix/ *szczegóły, – patrz Załącznik*)

Complying with the following EPRS for performance: *Zgodnymi z następującym EPRS dot. cech funkcjonalnych*

EPRS 003:2018-05 based on/ *opartym na*

EN 62722-2-1: 2016 – see the test report / *patrz raport z badań Z7-3/073/B/21* (+ Appendix No.1– Lists of the luminaires – on CD) dated 24.02.2022 performed by the Testing Laboratory Łukasiewicz-IMiF PREDOM Division (Accreditation PCA AB 003)

This ENEC+ Licence/Certificate is only valid in conjunction with: *Niniejsza Licencja/certyfikat ENEC+ jest ważna tylko w połączeniu z*

ENEC Licence/Certificate No.: *Licencją/ Certyfikatem ENEC Nr:*

0278/ENEC/21 dated 2021-12-16 issued by: Łukasiewicz-IMiF PREDOM Division

Date: *Data* 28-02-2022

Signatures:

Name:

Joanna Walczak-Złotkowska

Filip Walczak

Position:

Manager of Certification
Office

Leader of the Łukasiewicz- IMiF
PREDOM Division

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Additional information – see the Appendix. *Dodatkowe informacje – patrz Załącznik.*



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APPENDIX TO THE LICENCE No. 0075/ENEC+ /22 – page 1/3

Name and address of the license holder/manufacturer:	Signify Poland Sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Address of the factory:	Signify Poland Sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Name of product:	Luminaires for road and street lighting
Type (model):	ClearWay gen2 BGP307...II...- series (see below)
Trade mark:	PHILIPS
Technical data:	
rated voltage	220-240V
rated current	max. 0,7 A
rated frequency	50/60Hz
number of lamps	30 - 90 LEDs – core version; 6 – 40 LEDs – 4S version
type of lamp	LED
protection against electric shock	class II
degree of protection	IP 66; IK08
classification of the luminaires, with respect to the supporting material	normal
mains connections	connector
ta	-40...+50°C – For luminaires not equipped with GPRS antenna and Photocell -30...+50°C – For luminaires equipped with GPRS antenna but without Photocell -20...+50°C – For luminaires equipped with Photocell
input Power (W):	ClearWay gen2 BGP307...II...- series: 5,7W to 79W For details see the Appendix No.1 to the TR Z7-3/073/B/21 dated 24.02.2022 – Lists of the luminaires - on CD
luminous Flux (lm):	ClearWay gen2 BGP307...II...- series: 351lm to 11310lm For details see the Appendix No.1 to the TR Z7-3/073/B/21 dated 24.02.2022 – Lists of the luminaires - on CD
colour temperature (CCT)	3000K 4000K
colour rendering index (CRI).....	CRI>70 CRI>80
efficacy (lm/W)	ClearWay gen2 BGP307...II...- series: 49lm/W to 157lm/W For details see the Appendix No.1 to the TR Z7-3/073/B/21 dated 24.02.2022 – Lists of the luminaires - on CD
lamp type/rating.....	PCBA LDGOSQ2.0 MICRO 06 SG21H2 740 1.0 PCBA LDGOSQ2.0 MICRO 10 SG21H2 740 1.0 PCBA LDGOSQ2.0 MICRO 20 SG21H2 740 1.0 PCBA LDGOSQ2.0 MICRO 06 SG21H2 730 1.0 PCBA LDGOSQ2.0 MICRO 10 SG21H2 730 1.0 PCBA LDGOSQ2.0 MICRO 20 SG21H2 730 1.0 PCBA LDGOSQ2.0 MICRO 06 SG21H2 830 1.0 PCBA LDGOSQ2.0 MICRO 10 SG21H2 830 1.0 PCBA LDGOSQ2.0 MICRO 20 SG21H2 830 1.0
Luminaire (Type A, B, C)	Type A - Luminaires using LED modules where compliance with EN 62717 has been proven
Ambient Temperature (tq) :	25°C

List of the luminaires:

Choice sheet of the luminaires ClearWay gen2 BGP307...II...- series:

Example:

BGP307 LW10 LED120/740 II DM MSP CLO BL1 CTGO-35-DGR SRG10 12 D 48/60 BWP

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Designations used on the marking of luminaires (some designation may not appear in the name) :

1. BGP307
2. LW10

- Code of the series – with alu cover
- LightWave (GPRS) option
- LW10: telemanagement option with 10 years contract
- LW5: telemanagement option with 5 years contract
- LW1: telemanagement option with 1 year contract
- LWCO: telemanagement option with signed service contract
- LWFP: telemanagement option without contract
- LW10: telemanagement option with 10 years contract
- LW5: telemanagement option with 5 years contract
- LW1: telemanagement option with 1 year contract
- LWCO: telemanagement option with signed service contract
- LWFP: telemanagement option without contract



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- | | |
|-----------------|---|
| 3. LED120 | - LEDGINE flux(x100) [lumen] range: from LED25 to LED109
For ClearWay gen2 – core version |
| 3. LED120-4S | - LEDGINE flux(x100) [lumen] range: from LED6 to LED130
For ClearWay gen2 – 4S version |
| 4. 740 | - LEDGINE version/color
830 - Warm White : CRI≥80, WW 3000K
740 - Neutral White: CRI≥70, NW 4000K
757 - Cool White: CRI≥70, CW 5700K
518 - ClearStar Warm White 3000K
420 - ClearStar Neutral White 4000K
727 - Warm White 2700K – CRI70
722 - Warm White 2200K – CRI70
730 - Warm White 3000K – CRI70 |
| 5. II | - Safety Class II |
| 6. DM | - Optic DM10, DM11, DM12, DM13, DM30, DM31, DM32, DM33, DM50, DM70, DN08, DN09, DN10, DN11, DN26, DN33, DN50, DS50, DW10, DW50, DW52, DX10, DX50, DX51, DX70, DRM1, DRM2, DRN1, DRN2, DPL1, DPR1 – Road distribution – 4S version |
| 7. MSP | - MSP: Marine salt protected coating
- ALU: Unpainted
- GR: Color painting – RAL7035 color
- DGR: Color painting – Philips Ult Dark Grey RAL10714
- RAL: Color painting – RAL colors
- CLRCH: Color painting – Akzo colors |
| 8. CLO | - CLO: Constant Lumen output
- D9: Dimming via external communication DALI
- D11/12 Dimming via line switch
- D13 Mains dimming (Ampdim)
- D18 DynaDimmer integrated in drive
- D24 DynaDimmer int. DALI unprog.
- D28 Dimming via coded mains voltage
- D9: External dimming Dali
- DDF: DynaDimmer with fixed presets version
- LS-6/LS-8/CM4: DynaDimmer with fixed presets version / Lumistep 6/8 hours 50%/ coded mains
CLO-DDF1/CLO-DDF2/CLO-DDF3/CLO-DDF:
- CLO + DynaDimmer with fixed presets version
CLO-LS-6/CLO-LS-8/CLO-CM4:
- CLO + Lumistep 6/8 hours 50% / coded mains |
| 9. BL1 | - Louvers BL1-Limited backlight cut-off, BL2-Sharp backlight cut-off |
| 10. CTGO-35-DGR | - Connect app sr DGR 35lux
- P1/P1-5/P1-7 Nema socket for photocell
- P3-35: Photocell ver. Minicell 20 mm hole, set for35
- CTG-DGR: Photocell:
P1-x: Nema socket for photocell
PZD- 35/55/70, P3-35/55/70: Photocell ver. Minicell 20 mm hole, set for 35/55/75 lx CTG-DGR, CTG-LGR, CTG-35-DGR, CTG-55-DGR, DGR, CTG-35-LGR, CTG-55-LGR, CTG-70-LGR, CTGO-DGR, |



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11. SRG10

12. 22

13. D

14. 48/60

15. BWP

DGR, CTGO-55-DGR, CTGO-70-DGR, CTGO-AC-DGR CTGO-LGR,
CTGO-35-LGR, CTGO-55-LGR, CTGO-70-LGR, CTGO-AC-LGR,
CTGN-DGR, CTGN-35-DGR, CTGN-55-DGR, CTGN-70-DGR,
CTGN-AC-DGR, SRT, EZR, PSC, PSC-35, PSC-55, PSC-70, PZC-35-0.5, PZC-55-0.5, PZC-70-0.5, P1-M, IACZ-4-DGR, IACZ-4-35-DGR, IACZ-4-55-DGR, IACZ-4-70-DGR, IACZ-4-LGR, IACZ-4-35-LGR, IACZ-4-55-LGR, IACZ-4-70-LGR, IACZ-4-AC-DGR, IACZ-4-AC-LGR, IACZ-RF-DGR, IACZ-RF-35-DGR, IACZ-RF-55-DGR, IACZ-RF-70-DGR, IACZ-RF-LGR, IACZ-RF-35-LGR, IACZ-RF-55-LGR, IACZ-RF-70-LGR, IACZ-RF-AC-DGR, IACZ-RF-AC-LGR

- STDE - add. resistors; for non conductive pole
- SRG10 - Surge protection level 10kV (differential and common mode)
- SDM10 - Surge protection level 10kV (differential mode, no SPD GND connected)
- SRG10E - SRG10+ESD (add. resistors; for non conductive pole)
- SDM10E - SDM10+ESD (non conductive pole, no SPD GND connected)
- Cable length 4m-22 m
- D: Cable finish – Protective earth wire and gray wire insulated
- B: Cable finish – Protective earth wire insulated
- " " : Cable finish - Standard (no cable insulated)
- CE7: Cable finish - CEE connector with 7 conductor , power cable with connector colosio M140MN_3/ M140MN_5 only for cable H07RNF
- F: Cable finish - Gray wire insulated
- L: Cable finish - Protective earth wire, gray wire and black wire insulated
- Q: Cable finish - Gray wire and black wire insulated
- Type of spigot:
Side Entry : 32/48S, 48/60S, 76S, 32/76S, 48/76S, 32/60S
Post Top: 32/48P, 48/60P, 76P, 32/76P, 48/76P, 32/60P
- Type of packaging:
CT: carton box
BWP: multipack

Information on LED modules

Luminaire family	Series	Used LED module	LED module ratings	ENEC for luminaire	Report for modules
ClearWay gen2	BGP307... II... - series	PCBA LDGOSQ2.0 MICRO 06 SG21H2 740 1.0 PCBA LDGOSQ2.0 MICRO 10 SG21H2 740 1.0 PCBA LDGOSQ2.0 MICRO 20 SG21H2 740 1.0 PCBA LDGOSQ2.0 MICRO 06 SG21H2 730 1.0 PCBA LDGOSQ2.0 MICRO 10 SG21H2 730 1.0 PCBA LDGOSQ2.0 MICRO 20 SG21H2 730 1.0 PCBA LDGOSQ2.0 MICRO 06 SG21H2 830 1.0 PCBA LDGOSQ2.0 MICRO 10 SG21H2 830 1.0 PCBA LDGOSQ2.0 MICRO 20 SG21H2 830 1.0	1,0A	0278/ENEC/21 dated 16-12-2021	UL 4790063843.4.1_2 dated 2021-11-03

Possible configurations of luminaires and more information see the Appendix No.1 to the TR Z7-3/073/B/21 dated 24.02.2022 – Lists of the luminaires - on CD (data received from the manufacturer)

Certification Body: Łukasiewicz- IMiF PREDOM Division
Signed: Joanna Walczak-Złotkowska

Manager of Certification
Office

Filip Walczak

Leader of the Łukasiewicz- IMiF
PREDOM Division

Place: WARSAW

Date: 28-02-2022