



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

ENEC Certification Body registered under ID 30. Validity of ENEC+ licences can be checked at www.enecplus.eu
Jednostka Certyfikująca ENEC zarejestrowana pod numerem ID 30. Ważność licencji ENEC+ można sprawdzić na www.enecplus.eu

LICENCE

to use the ENEC+ Mark



Licence/Certificate No. / Licencja/ Certyfikat Nr **0032/ENEC+ /19/M2**

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:

Zgodnie z warunkami przedstawionymi na następnych stronach tego dokumentu, licencja na używanie Znaku ENEC+ w połączeniu z przyrostkiem 30, jak ukazano powyżej, została wydana dla:

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):

UniStreet gen2 BGP281 / BGP282 / BGP283 / BGP284...II... – series;
LumiStreet gen2 BGP291 / BGP292 / BGP293 / BGP294...II... – series;
LumiStreet Pro gen2 BGP391 / BGP392 / BGP393 / BGP394...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 reports / patrz raporty z badań BS-3/050/B/2/19 dated/ z dnia 27.06.2019;
BS-3/050/B/2/19/M1 dated/ z dnia 21.04.2020; BS-3/050/B/2/19/M2 dated/ z dnia 23.10.2020 performed by the
Testing Laboratory ITE 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:

0207/ENEC/19/M2 dated 2020-09-22 **issued by:** ITE PREDOM Division

Note: This licence/certificate has been issued because the products modifications: several components had been added, Ta of luminaires was changed. List of system configuration and list of components have been updated. *Uwaga: niniejsza licencja/certyfikat została wydana ponieważ wyroby zostały zmodyfikowane: dodano szereg komponentów, Ta oprawy została zmieniona, wykaz systemu konfiguracji i wykaz komponentów zostały zaktualizowane.*
This licence/certificate replaces the licence/certificate *Niniejsza licencja/certyfikat zastępuje licencję/certyfikat* No. Nr **0032/ENEC+ /19/M1** dated/ z dnia 30-04-2020.

Date: Data 27-11-2020

Signatures:

Name: Joanna Walczak-Złotkowska

Aleksander Piotrowski

Position: Manager of Certification Office

Deputy Director
of ITE PREDOM Division

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.

Niniejsza licencja została wydana zgodnie z założeniem i pod warunkiem, że licencjodawca posiada wszelkie niezbędne prawa w odniesieniu do wyrobu przedstawionego do badań i certyfikacji.

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



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

APPENDIX TO THE LICENCE No. 0032/ENEC+ /19/M2 – page 1/4

Name and address of the license holder/manufacturer:	Signify Sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Address of the factory:	Signify Sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Name of product:	Luminaires for road and street lighting
Type (model):	UniStreet gen2 BGP281 / BGP282 / BGP283 / BGP284...II... – series; LumiStreet gen2 BGP291 / BGP292 / BGP293 / BGP294...II... – series; LumiStreet Pro gen2 BGP391 / BGP392 / BGP393 / BGP394...II... – series
Trade mark :	PHILIPS
Technical data:	
rated voltage	~220-240V
rated current	max. 1,1A
rated frequency	50/60Hz
number of lamps	6 – 160 LEDs
type of lamp	LED
protection against electric shock	class II
degree of protection	IP 66, IK08 (glass 4mm), IK09 (glass 6mm)
classification of the luminaires, with respect to the supporting material	normal
mains connections	connector
ta	-40...+50°C – For luminaires not equipped with GPRS, RF antenna, Line Switch DALI and Photocell -30...+50°C – For luminaires equipped with GPRS antenna but without Photocell and Line Switch DALI -20...+50°C – For luminaires equipped with Photocell, Line Switch DALI
Input Power (W):	BGP281... /BGP291.../BGP391... - 5,2W – 43,5W BGP282... /BGP292.../BGP392... - 9,3W – 86,0W BGP283... /BGP293.../BGP393... - 27,0W – 148,0W BGP284... /BGP294.../BGP394... - 78,0W – 305,0W For details see the Appendixes No.1, No.2, No.3, No.4, No.5, No.6, No.7, No.8, No.9, No.10, No.11, No.12 to the TR BS-3/050/B/2/19/M2 dated 23.10.2020 – Lists of the luminaires – on CD
Luminous Flux (lm):	BGP281... /BGP291.../BGP391... - 203lm – 5824lm BGP282... /BGP292.../BGP392... - 472,5lm – 11570lm BGP283... /BGP293.../BGP393... - 1470lm – 21360lm BGP284... /BGP294.../BGP394... - 3675lm – 35200lm For details see the Appendixes No.1, No.2, No.3, No.4, No.5, No.6, No.7, No.8, No.9, No.10, No.11, No.12 to the TR BS-3/050/B/2/19/M2 dated 23.10.2020 – Lists of the luminaires – on CD
Colour temperature (CCT):	1000K 1800K 2000K 3000K 4000K 5700K
Colour rendering index (CRI):	CRI>36 CRI>48 CRI>60 CRI>70 CRI>80
Efficacy (lm/W):	BGP281... /BGP291.../BGP391... - 36lm/W – 149lm/W BGP282... /BGP292.../BGP392... - 40lm/W – 152lm/W BGP283... /BGP293.../BGP393... - 44lm/W – 162lm/W BGP284... /BGP294.../BGP394... - 46lm/W – 160lm/W For details see the Appendixes No.1, No.2, No.3, No.4, No.5, No.6, No.7, No.8, No.9, No.10, No.11, No.12 to the TR BS-3/050/B/2/19/M2 dated 23.10.2020 – Lists of the luminaires – on CD
Lamp Type/Rating:	PCBA LDGOSQ1.0 MICRO 006 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 830 PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 757 PCBA LDGOSQ1.0 MICRO 010 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 010 OS3H1-18 757 PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 757 PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 610 PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 757 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 740 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 757 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 610 PCB LUMA MICRO 10 OSLONG3 WW



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

APPENDIX TO THE LICENCE No. 0032/ENEC+ /19/M2 – page 2/4

	PCB LUMA MICRO 20 OSLONG3 WW PCB LUMA MINI 30 OSLONG3 WW PCB LUMA MINI 40 OSLONG3 WW PCBA LDGOSQ2.0 MICRO 06 O119H1 740 1.0 PCBA LDGOSQ2.0 MICRO 06 O118H1 830 1.0 PCBA LDGOSQ2.0 MICRO 06 O119H1 757 1.0 PCBA LDGOSQ2.0 MICRO 10 O119H1 740 1.0 PCBA LDGOSQ2.0 MICRO 10 O118H1 830 1.0 PCBA LDGOSQ2.0 MICRO 10 O119H1 757 1.0 PCBA LDGOSQ2.0 MICRO 20 O119H1 740 1.0 PCBA LDGOSQ2.0 MICRO 20 O118H1 830 1.0 PCBA LDGOSQ2.0 MICRO 20 O119H1 757 1.0 PCBA LDGOSQ2.0 MINI 30 O119H1 740 1.0 PCBA LDGOSQ2.0 MINI 30 O118H1 830 1.0 PCBA LDGOSQ2.0 MINI 30 O119H1 757 1.0 PCBA LDGOSQ2.0 MINI 40 O119H1 740 1.0 PCBA LDGOSQ2.0 MINI 40 O118H1 830 1.0 PCBA LDGOSQ2.0 MINI 40 O119H1 757 1.0 PCBA LDGOSQ2.0 MICRO 20 O118H1 610 1.0 PCBA LDGOSQ2.0 MINI 40 O118H1 610 1.0 PCBA LDGOSQ2.0 MICRO 06 O219H1 722 1.0 PCBA LDGOSQ2.0 MICRO 06 O219H1 727 1.0 PCBA LDGOSQ2.0 MICRO 06 HP18H1 730 1.0 PCBA LDGOSQ2.0 MICRO 10 O219H1 722 1.0 PCBA LDGOSQ2.0 MICRO 10 O219H1 727 1.0 PCBA LDGOSQ2.0 MICRO 10 HP18H1 730 1.0 PCBA LDGOSQ2.0 MICRO 20 O219H1 722 1.0 PCBA LDGOSQ2.0 MICRO 20 O219H1 727 1.0 PCBA LDGOSQ2.0 MICRO 20 HP18H1 730 1.0 PCBA LDGOSQ2.0 MINI 30 O219H1 722 1.0 PCBA LDGOSQ2.0 MINI 30 O219H1 727 1.0 PCBA LDGOSQ2.0 MINI 30 HP18H1 730 1.0 PCBA LDGOSQ2.0 MINI 40 O219H1 722 1.0 PCBA LDGOSQ2.0 MINI 40 O219H1 727 1.0 PCBA LDGOSQ2.0 MINI 40 O119H1 730 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 740 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 740 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 740 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 740 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 740 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 830 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 830 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 830 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 830 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 830 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 757 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 757 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 757 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 757 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 757 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 730 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 730 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 730 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 730 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 730 1.0
Luminaire (Type A, B, C)	Type A - Luminaires using LED modules where compliance with EN 62717 has been proven
Ambient Temperature Rating (t _a)	25°C

**Choice sheet of the luminaires UniStreet gen2 BGP281 / BGP282 / BGP283 / BGP284...II... – series;
LumiStreet gen2 BGP291 / BGP292 / BGP293 / BGP294...II... - series; LumiStreet Pro gen2 BGP391 /
BGP392 / BGP393 / BGP394...II... – series:**

(NOTE: List of the luminaires – see the Appendixes No.1, No.2, No.3, No.4, No.5, No.6, No.7, No.8, No.9, No.10, No.11, No.12 to the TR BS-3/050/B/2/19/M2 dated 23.10.2020 – Lists of the luminaires – on CD):

Example:

BGP281 LW10 LED120-4S/740 PSU II DM 7045 MSP DDF1 D11 CTG-DGR SRG10 3183Y-3x0,75 B 60 CT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

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

1. BGP281
 - Code of the serie/size
(Mikro: 281,291,391; Mini:282,292,392; Medium: 283,293,393;
Large: 284,294,394)
2. LW10
 - 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
3. LED6
 - LEDGINE flux(x100) [lumen]
range: from LED6 to LED490



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

APPENDIX TO THE LICENCE No. 0032/ENEC+ /19/M2 – page 3/4

- | | |
|--|--|
| 4. 4S | - Ledgine generation 4S when missing latest version applied |
| 5. 757,740,830,420,518,610,
722,727,730 | - LEDGINE version/color – CRI>70 - CW 5700K, NW 4000K, WW 2200K, WW 2700K, WW 3000 , CRI>80 - WW 3000K, Clearstar NW 4000K, Clearstar WW 3000K , Clearfield, |
| 6. PSD | - Driver type :
- PSU - Standard (non Dimmable)
- PSR - Dimmable driver 1-10V
- PSD - Dimmable driver DALI
- PSA - Dimmable driver AmpDim
- PSDD - Dimmable driver Dynadim integrated
- PSM - Power supply unit with coded mains interface
- PSD-SR - Power supply unit with DALI and SystemReady interface
- Safety Class II |
| 7. II | |
| 8. DM | - Optic DMxx, DNxx, DWxx, DSxx, DPLxx, BLxx, DRMx, DRNx, DXxx – Road light distribution |
| 9. xxxx/xx-xxxx | - RAL Colour, Colour Choice AKZO, British standard colours, GR, DGR |
| 10. MSP | - Marine salt protected coating |
| 11. Dxx | - Light control Dxx,DDFxx, CLOxx – Different light settings (dimming time, communication type, constant light output ect) ex1. D9 –Dimming with external communication with DALI, ex2: CLO-DDF3- Dynadimmer with fixed presets version with CLO |
| 12. D11 | - Light regulation:
D9: External dimming Dali
D11: Line Switch through switch OFF
D12: Line Switch through switch ON
D13: Mains Dimming
D18: Dynadimmer integrated (PSDD)
D24: DynaDimmer int. DALI unprog.
D28: Dimming via coded mains voltage |
| 13. CTG-DGR | - Socket:
P1, P1-M, P1-5, P1-5 CP, P1-7, P1-7 CP, PZO-20, SRT, SRB, PSC,
Sensor:
PZC-35-0.5, PZC-55-0.5, PZC-70-0.5, PSC-35, PSC-55, PSC-70, CTGO-DGR, CTGO-35-DGR, CTGO-55-DGR, CTGO-70-DGR, CTGO-LGR, CTGO-35-LGR, CTGO-55-LGR, CTGO-70-LGR, CTGO-AC-LGR, CTGN-LGR, CTGN-35-LGR, CTGN-55-LGR, CTGN-70-LGR, CTGN-AC-LGR, EZR, WST2, WST7 |
| 14. SRG10 | - 10kV Surge Protection Device |
| 15. 3183Yxx/H07RN-Yx | - POWER CABLE H05-VV 3/5X...m in wide range of length (0,75;1,5; 2,5 mm2), POWER CABLE H07RN in wide range of length where Y is 2,3,4 or 5 core, cable types: H05VV-F, S05Z1Z1-R, H05RR-F, H07RN-F, H07BQ-F, H05VV-F Arctic, H05VV-U, RTPR with different length and finishing |
| 16. B | - Cable finish:
- - Standard (no cable insulated)
B - Protective earth wire insulated
D - Gray wire insulated
L - Protective earth wire, gray wire and black wire insulated
H - Line wire black and protective earth wire insulated
J - Line wire black, protective earth wire and gray wire insulated
M - Line wire black, protective earth wire, gray wire and brown wire insulated |
| 17. 32/60S | - Spigot type:

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 |
| 18. CT | - Type of packaging – carton box |



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

APPENDIX TO THE LICENCE No. 0032/ENEC+ /19/M2 – page 4/4

Information on LED modules

Luminaire family	Series	Used LED module	LED module ratings	ENEC for luminaire	Report for module
UniStreet gen2... LumiStreet gen2... LumiStreet Pro gen2...	BGP281/BGP282/ BGP283/BGP284...I... - series BGP291/BGP292/ BGP293/ BGP294...I... - series BGP391/BGP392/ BGP393/BGP394...I... - series	PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 740 PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 830 PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 757 PCBA LDGOSQ1.0 MICRO 010 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 010 OS3H1-18 757 PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 757 PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 610 PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 757 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 740 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 757 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 610	1,0A	0206/ENEC/19/M2 2 dated 22.09.2020	PISEO R-1992-PHILIPS LEDGINE O-EPRS001 dated 20.04.2018 PISEO R-2372-1 V1 - PHILIPS LEDGINE O - EPRS001 dated 18.03.2019
		PCB LUMA MICRO 10 OSLONG3 WW PCB LUMA MICRO 20 OSLONG3 WW PCB LUMA MINI 30 OSLONG3 WW PCB LUMA MINI 40 OSLONG3 WW	1,0A		PISEO R-2507-1 V1- PHILIPS LEDGINE O- EPRS001 dated 04.04.2019
		PCBA LDGOSQ2.0 MICRO 06 O118H1 740 1.0 PCBA LDGOSQ2.0 MICRO 06 O118H1 830 1.0 PCBA LDGOSQ2.0 MICRO 06 O119H1 757 1.0 PCBA LDGOSQ2.0 MICRO 10 O119H1 740 1.0 PCBA LDGOSQ2.0 MICRO 10 O118H1 830 1.0 PCBA LDGOSQ2.0 MICRO 10 O119H1 757 1.0 PCBA LDGOSQ2.0 MICRO 20 O119H1 740 1.0 PCBA LDGOSQ2.0 MICRO 20 O118H1 830 1.0 PCBA LDGOSQ2.0 MICRO 20 O119H1 757 1.0 PCBA LDGOSQ2.0 MINI 30 O119H1 740 1.0 PCBA LDGOSQ2.0 MINI 30 O118H1 830 1.0 PCBA LDGOSQ2.0 MINI 30 O119H1 757 1.0 PCBA LDGOSQ2.0 MINI 40 O119H1 740 1.0 PCBA LDGOSQ2.0 MINI 40 O118H1 830 1.0 PCBA LDGOSQ2.0 MINI 40 O119H1 757 1.0 PCBA LDGOSQ2.0 MICRO 20 O118H1 610 1.0 PCBA LDGOSQ2.0 MICRO 06 O219H1 722 1.0 PCBA LDGOSQ2.0 MICRO 06 O219H1 727 1.0 PCBA LDGOSQ2.0 MICRO 06 HP18H1 730 1.0 PCBA LDGOSQ2.0 MICRO 10 O219H1 722 1.0 PCBA LDGOSQ2.0 MICRO 10 O219H1 727 1.0 PCBA LDGOSQ2.0 MICRO 10 HP18H1 730 1.0 PCBA LDGOSQ2.0 MICRO 20 O219H1 722 1.0 PCBA LDGOSQ2.0 MICRO 20 O219H1 727 1.0 PCBA LDGOSQ2.0 MICRO 20 HP18H1 730 1.0 PCBA LDGOSQ2.0 MINI 30 O219H1 722 1.0 PCBA LDGOSQ2.0 MINI 30 O219H1 727 1.0 PCBA LDGOSQ2.0 MINI 30 HP18H1 730 1.0 PCBA LDGOSQ2.0 MINI 40 O219H1 722 1.0 PCBA LDGOSQ2.0 MINI 40 O219H1 727 1.0 PCBA LDGOSQ2.0 MINI 40 O119H1 730 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 740 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 740 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 740 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 740 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 740 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 830 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 830 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 830 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 830 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 830 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 757 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 757 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 757 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 757 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 757 1.0 PCBA LDGOSQ2.0 MICRO 06 O220H2 730 1.0 PCBA LDGOSQ2.0 MICRO 10 O220H2 730 1.0 PCBA LDGOSQ2.0 MICRO 20 O220H2 730 1.0 PCBA LDGOSQ2.0 MINI 30 O220H2 730 1.0 PCBA LDGOSQ2.0 MINI 40 O220H2 730 1.0 (10 – no of LEDs; WW/740 – color temp)	1,0A		PISEO R-2255-1 V1- PHILIPS LEDGINE O - EPRS001 dated 18.10.2018 PISEO R-2372-1 V1 - PHILIPS LEDGINE O - EPRS001 dated 18.03.2019 PISEO R-2596-1 V1 - PHILIPS LEDGINE O - EPRS001 dated 23.05.2019

Certification Body: ITE PREDOM Division

Place: WARSAW

Signed:

Manager
of Certification Office

Deputy Director
of ITE PREDOM Division

Date: 27-11-2020

Joanna Walczak-
Złotkowska

Aleksander Piotrowski