



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

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LICENCE

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):

UniStreet gen2 BGP281 / BGP282 / BGP283 / BGP284...I... – series;
 LumiStreet gen2 BGP291 / BGP292 / BGP293 / BGP294...I... - series;
 LumiStreet Pro gen2 BGP391 / BGP392 / BGP393 / BGP394...I... – 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 raport z badań BS-3/050/B/1/19 dated/ z dnia 27.06.2019
 performed by the Testing Laboratory ITE PREDOM Division (Accreditation PCA AB 003)

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0206/ENEC/19 dated 14-06-2019 **issued by:** ITE PREDOM Division

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Date: Data 23-08-2019

Signatures:

Name: Joanna Walczak-Ziótkowska

Aleksander Piotrowski

Position: Manager of Certification Office

Deputy Director
 of ITE PREDOM Division

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

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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...I... – series; LumiStreet gen2 BGP291 / BGP292 / BGP293 / BGP294...I... – series; LumiStreet Pro gen2 BGP391 / BGP392 / BGP393 / BGP394...I... – 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	6 – 160 LEDs
type of lamp	LED
protection against electric shock	class I
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	15°C, 25°C, 35°C, 40°C, 45°C, 50°C
Input Power (W):	BGP282... - 9,4 – 99,0 BGP283... - 39,0 – 148,0 BGP291.../BGP391 - 5,5 – 49,5 BGP292.../BGP392 - 9,4 – 99,0 BGP293.../BGP393 - 39,0 – 148,0 (for details see pages 24 - 92 of the test report BS-3/050/B/1/19 dated 27.06.2019 /ITE PREDOM Division)
Luminous Flux (lm):	BGP282... - 824 - 11310 BGP283... - 3360 - 20400 BGP291.../BGP391 - 354 - 5696 BGP292.../BGP392 - 824 - 11310 BGP293.../BGP393 - 3360 - 20400 (for details see pages 24 - 92 of the test report BS-3/050/B/1/19 dated 27.06.2019 /ITE PREDOM Division)
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):	BGP282... - 71 - 149 BGP283... - 77 - 143 BGP291.../BGP391 - 62 - 133 BGP292.../BGP392 - 71 - 149 BGP293.../BGP393 - 77 - 143 (for details see pages 24 - 92 of the test report BS-3/050/B/1/19 dated 27.06.2019 /ITE PREDOM Division)
Lamp Type/Rating:	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

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	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 PCB LUMA MICRO 10 OSLONG3 NW PCB LUMA MICRO 20 OSLONG3 WW PCB LUMA MICRO 20 OSLONG3 NW PCB LUMA MINI 30 OSLONG3 WW PCB LUMA MICRO 30 OSLONG3 NW PCB LUMA MINI 40 OSLONG3 WW PCB LUMA MICRO 40 OSLONG3 NW
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

List of the luminaires:

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

Example:

BGP281 LW10 LED120-4S/740 PSU I 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 luminaires (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
4. 4S
 - LedGINE generation 4S when missing latest version applied
5. 757,740,830,420,518,610
 - LEDGINE version/color – CRI>76, CW 5700K, NW 4000K, 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 I
7. I
8. DM
 - Optic DMxx, DNxx, DWxx, DSxx, DPLxx, BLxx, DRNx, DXxx – Road light distribution
9. xxxx/xx-xxxx
10. MSP
 - RAL Colour, Colour Choice AKZO, British standard colours, GR, DGR
11. Dxx
 - Marine salt protected coating
12. D11
 - 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
 - Light regulation:
D9: External dimming Dali
D11: Line Switch through switch OFF
D12: Line Switch through switch ON





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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

15. 3183Yxx/H07RN-Yx

- 10kV Surge Protection Device
- 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

List of LED's and electronic driver's system for core version:

LED's and electronic led driver system	PCB LED	Driver	Current
LEDxxx Example: LED6 - 600lm LED8 - 800lm LED10 - 1000lm LED16 - 1600lm LED20 - 2000lm LED25 - 2500lm LED30 - 3000lm LED35 - 3500lm LED40 - 4000lm LED45 - 4500lm LED50 - 5000lm LED54 - 5400lm LED59 - 5900lm LED60 - 6000lm LED64 - 6400lm LED69 - 6900lm LED74 - 7400lm LED79 - 7900lm LED90 - 9000lm LED120 - 12000lm LED139 - 13900lm ... LED490 - 49000lm	PCB XXX XXX XX Example: 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 PCB LUMA MICRO 10 OSLONG3 WW PCB LUMA MICRO 20 OSLONG3 WW PCB LUMA MINI 30 OSLONG3 WW PCB LUMA MINI 40 OSLONG3 WW (10 – no of LEDs; WW/740 – color temp)	Xi FP xxW xxxA xxxxx Example: Xi FP 22W 0.2-0.7A SNLDAE 230V S175 SXT Xi FP 40W 0.2-0.7A SNLDAE 230V S175 sXt Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt Xi FP 110W 0.2-0.7A SNLDAE 230V C165 sXt Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt Xi FP 40W 0.2-0.7A SNLCDAE 230V S175 sX Xi FP 75W 0.2-0.7A SNLCDAE 230V S240 sX Xi FP 110W 0.2-0.7A SNLCDAE 230V C133 sXt Xi FP 150W 0.2-0.7A SNLCDAE 230V S240 sX Xi SR 22W 0.2-0.7A SNEMP 230V S240 sXt Xi SR 40W 0.2-0.7A SNEMP 230V C133 Xi SR 75W 0.2-0.7A SNEMP 230V S240 Xi SR 110W 0.2-0.7A SNEMP 230V C150 SXT Xi SR 150W 0.2-0.7A SNEMP 230V S240 (40W – max power; 0.2 - 0.7A – operation current)	max.0,7A



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Luminaire family	Series	Used LED module	LED module ratings	ENEC for luminaire	Report for module
UniStreet gen2...	BGP281/BGP282/ BGP283/BGP284...I... - series	PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 740 PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 830 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 030 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 757	1,0A	206/ENEC/19 dated 14.06.2019	LCIE Report No. 143254-689379B
LumiStreet gen2...	BGP291/BGP292/ BGP293 / BGP294...I... - series	PCBA LDGOSQ1.0 MICRO 040 OS3H1-18 740 PCBA LDGOSQ1.0 MICRO 040 OS3H1-18 757 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 740 PCBA LDGOSQ1.0 MINI 040 OS3H1-18 757			
LumiStreet Pro gen2...	BGP391/BGP392/ BGP393/BGP394...I... - series	PCB LUMA MICRO 10 OSLONG3 WW PCB LUMA MICRO 10 OSLONG3 NW PCB LUMA MICRO 20 OSLONG3 WW PCB LUMA MICRO 20 OSLONG3 NW PCB LUMA MINI 30 OSLONG3 WW PCB LUMA MINI 30 OSLONG3 NW PCB LUMA MINI 40 OSLONG3 WW PCB LUMA MINI 40 OSLONG3 NW	0,7-1,0A		LCIE Report No. 143254-689379B

Certification Body: ITE PREDOM Division

Place: WARSAW

Signed:

Manager
of Certification Office

Deputy Director
of ITE PREDOM Division

Date: 23-08-2019

Joanna Walczak-
Ziótkowska

Aleksander Piotrowski