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LICENCE / CERTIFICATE

to use the European Mark

LICENCJA / CERTYFIKAT

na używanie europejskiego Znaku



Licence / Certificate No.

Licencja / Certyfikat Nr

0307/ENEC/23/M3

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Dla wyrobów:

Manufacturing place:

Miejsce produkcji:

Trade name:

Znak towarowy:

Type(s)/Model(s):

Typ(y), model(e):

Signify Poland Sp. z o.o.

64-920 Piła, ul. Kossaka 150

Luminaires for road and street lighting

Oprawy oświetleniowe drogowe i uliczne

1. Signify Poland Sp. z o.o. 64-920 Piła, ul. Kossaka 150

2. SIGNIFY B.V Carretera de las Arcas Reales s/n 47008 Valladolid, Spain

PHILIPS

UniStreet gen2 BGP280 / BGP281 / BGP282 / BGP283 / BGP284;

LumiStreet gen2 BGP290 / BGP291 / BGP292 / BGP293 / BGP294; LumiStreet Pro gen2 BGP390 / BGP391 / BGP392 / BGP393 / BGP394...II...- series (details in the Appendix / Szczegóły w Załączniku)

Complying with the following European Standards:

Zgodnymi z następującymi normami europejskimi:

Test report(s):

Raporty z badań:

EN 60598-2-3:2003

EN 60598-2-3:2003/ A1:2011

EN 60598-1:2021

EN 62262:2002

Ref No: KE230260 + Att No. 1 (EU GD and ND) rep. KE230260/1 dated 10.03.2023; KE230260/M1 + Att No. 1 (EU GD and ND) rep. KE2230260/1/M1 dated 29.06.2023; KE230260/M2 + Att No. 1 (EU GD and ND) rep. KE2230260/1/M2 dated 15.12.2023; KE230260/M3 + Att No. 1 (EU GD and ND) rep. KE2230260/1/M3 dated 29.05.2024; KE230260/IK dated 10.03.2023; KE230261/IK dated 10.03.2023; KE230260/M2/IK dated 17.11.2023; KE230261/M2/IK dated 17.11.2023 performed by E-CTF-3 laboratory Signify Poland Sp. z o.o. O/Kętrzyn Laboratory of Quality.

Note: This licence/certificate has been issued because the products modifications. The selection sheet, configuration system list and new components have been added. Uwaga: Niniejsza licencja została wydana ponieważ wyroby zostały zmodyfikowane. Zmodyfikowano arkusz wyboru, listę konfiguracji, dodano nowe komponenty.

This licence/certificate replaces the licence/ certificate:

Niniejsza licencja/certyfikat zastępuje licencję/certyfikat

0307/ENEC/23/M2 dated / z dnia 2023-12-22

Date:

Data:

2024-06-18

Manager of Certification Office
Kierownik Biura Certyfikacji

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

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| | | |
|---|---|--|
| Name and address of the license holder: | Signify Poland Sp. z o.o., 64-920 Piła, ul. Kossaka 150 | |
| Address of the factory: | 1. Signify Poland Sp. z o.o. 64-920 Piła, ul. Kossaka 150 O/Kętrzyn ul. Chrobrego 8 11-400 Kętrzyn, Poland | 2. SIGNIFY B.V Carretera de las Arcas Reales s/n 47008 Valladolid, Spain |
| Name of product: | Luminaires for road and street lighting | |
| Type (model): | UniStreet gen2 BGP280 / BGP281 / BGP282 / BGP283 / BGP284; LumiStreet gen2 BGP290 / BGP291 / BGP292 / BGP293 / BGP294; LumiStreet Pro gen2 BGP390 / BGP391 / BGP392 / BGP393 / BGP394...II...- series (see below) | |
| Trade mark : | PHILIPS | |
| Technical data: | | |
| rated voltage | ~220-240V | |
| rated current | max. 1,1A | |
| rated frequency | 50/60Hz | |
| number of lamps | 6 – 180 LEDs | |
| type of lamp | LED | |
| protection against electric shock | class II | |
| degree of protection | IP 66, IK08, IK09 | |
| 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 | |

Choice sheet of the luminaires UniStreet gen2 BGP280 / BGP281 / BGP282 / BGP283 / BGP284, LumiStreet gen2 BGP290 / BGP291 / BGP292 / BGP293 / BGP294 and LumiStreet Pro gen2 BGP390 / BGP391 / BGP392 / BGP393 / BGP394...II...-series:

Example of symbol:

BGP281 LW10 LED120-4S/740 PSU II DM 7045 MSP DDF1 D11 CTG-DGR SRG10 3183Y-3x0,75 B 48/60S PLS CT CEE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

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

| | |
|---|--|
| 1. BGP281 | - Code of the serie/size (Nano:280;290;390; Micro: 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, 1P- Ledgine5050P, 1F- Ledgine Flexible |
| 5. 757,740,830,420,518,610, 722,727,730, 840 | - 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) - PSUE - Non dimmable driver Economy (no LR/LC) - PSR - Dimmable driver 1-10V - PSD - Dimmable driver DALI - PSA - Dimmable driver AmpDim - PSDD - Dimmable driver Dynadim integrated - PSDDE - Dimmable driver Economy with Dynadim integrated - PSM - Power supply unit with coded mains interface - PSD-SR - Power supply unit with DALI and SystemReady interface |

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| 7. II | - Safety Class II |
| 8. DM | - Optic DMxx, DNxx, DWxx, DSxx, DPLxx, DPRxx, BLxx, DRMx, DRNx, DXxx, DRXNx, EAAAx, PSZO, BV8V, 343D, KHMf, IK8Y – Road light distribution |
| 9. | - Optical louvers: - "blank field" for No louvers - BL1 Limited backlight cut-off - BL2 Sharp backlight cut-off - BL3 -backlight cut-off - FL1 Louver for limited backlight cut-off Ledgine Flexible - FL2 Louver for sharp backlight cut-off Ledgine flexible |
| 10. | - Optical cover: - "blank field" for Flat glass/ extra clear - FG- XW- Extra clear glass with white mask - FG- X Extra clear glass - FG-AR- Anti-reflective extra clear glass with white mask |
| 11. xxxx/xx-xxxx | - RAL Colour, Colour Choice AKZO, British standard colours, GR, DGR |
| 12. MSP | - Marine salt protected coating |
| 13. Dxx | - Light control Dxx,DDFxx, LS-XX, 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; CM4 - coded mains CM4 |
| 14. 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 D31: Mains voltage dim and ext. con. DALI D32: Coded mains voltage and ext. con. DALI D33: Dimming via DALI, Aux prepared on terminal block |
| 15. CTG-DGR | - IACZ-4-xxx InterAct City Connect app- LightWave different programing options (programable) IACZ-RF-xxx InterAct City RF IACN7-4-xxx - InterAct City GPRS node Nema IACN7-RF-xxx - InterAct City RF node Nema Socket: P1, P1-M, P1-M-CP; P1-3; P1-3CP; P1-5, P1-5 CP, P1-7, P1-7 CP, P1-7-7, P1-7-7-CP, P1-7-5, P1-7-5-CP, P1-5-5, P1-5-5-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 OSB- Outdoor Sensor Bundle (bottom socket) |
| 16. SRG10 | - STD- min. 6kV differential and common mode STDE - min. 6kV differential and common mode + electro static discharge protection (bleeder resistors) SRG10 - Surge protection level until 10kV (differential and common mode) SRG10E - Surge protection level until 10kV (differential and common mode) + electro static discharge protection (bleeder resistors) SDM10 - Surge protection level until 10kV (differential mode only) SDM10E - Surge protection level until 10kV (differential mode only) + electro static discharge protection (bleeder resistors) SRG20 - Surge protection level until 20kV (differential and common mode) |
| 17. 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 |
| 18. F | - Cable finish: - - Standard (no cable insulated) F - Gray wire insulated Q - Gray wire and black wire insulated G - Line wire black K - Line wire black and gray wire insulated P - Line wire black, gray wire and brown wire insulated |
| 19. 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 |

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| 20. PLS | - Gear Tray Material: PLS -Plastic gearplate MTL- Driver spring |
| 21. CT | - Type of packaging – carton box CT- Carton box BWP- Multipack |
| 22. CEE | - Special Project: CEE- Housing with European Origin REG- LC005/REG ORES - ORES optics POLE CAP- Pole cap RAL7035 for post top BREATHING DEVICE- Extra breathing device FLU20- Dedicated Fluvius labels & OLC ELEKTRON4G- Special 4G OLC when ordering IACZ-4 OLC |

List of components:

| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-----------------------|------|------------------------------|--|---|--|--|
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 22W 0.2-0.7A SNLDAE 230V S175 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 ° | EN 61347-1, EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 40W 0.2-0.7A SNLDAE 230V S175 sXt | 220-240VAC, 0,21A, 50/60Hz | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 ° | EN 61347-1, EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 ° | EN 61347-1, EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 40W 0.2-0.7A SNLCDAE 230V S175 sXt | 220-240V 50...60 Hz, 0.2-0.7A, Tc=85° | EN 61347-1 EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 75W 0.2-0.7A SNLCDAE 230V S240 sXt | 220-240V, 50...60 Hz, 0.2-0.7A, Tc=85°C | EN 61347-1 EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 110W 0.2-0.7A SNLCDAE 230V C133 sXt | 220-240V, 50...60 Hz, 0.2-0.7A, Tc=85°C | EN 61347-1 EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi FP 150W 0.2-0.7A SNLCDAE 230V S240 sXt | 220-240V, 50...60 Hz, 0.2-0.7A, Tc=85°C | EN 61347-1 EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 22W 0.2-0.7A SNEMP 230V C133 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85° | EN 61347-1 EN 61347-2-13 | ENEC 05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt | 220-240VAC; 0,2-0,7A; 50/60Hz | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 75W 0.2-0.7A SNEMP 230V S240 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 150W 0.2-0.7A SNEMP 230V S240 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| GPRS antenna | A | Philips | LLC7270 CityTouch OLC COM SR DG | 15-24V, DC, Ta: -40...+60°C | EN61347 | ENEC05 |
| GPRS antenna | A | Philips | LLC7271 CityTouch OLC COM SR LG | 15-24V, DC, Ta: -40...+60°C | EN61347 | ENEC05 |
| GPRS antenna | A | Philips | LLC7280 CityTouch Nema SR | 15-24V, DC, swithing 100 480VAC; Ta: -40...+70°C | EN61347 | ENEC05 |
| RF Antenna | A | PHILIPS | LLC7305/00 STARSSENSE WIRELESS LS EU | 220-240V,50-60Hz, -30...+65°C,Tc80°C | EN61347-2-11 | ENEC05 |
| Multisensor | A | PHILIPS | LRI8135/00 Outdoor Multisensor | 24 Vdc, 15 mA, ta:- 40 to 70°C | EN61347 | ENEC05 |
| Photocell | B | Zodion | F6365-0001 Photocell Zodion | 16V DC, IP66, Ta -20°C/ +80°C | EN 61347-2-11 EN 61347-1 | Tested and accepted by ITE PREDOM DIVISION report no. Z7-2/020/B/20 |
| Photocell | B | Zodion | SS12C 35lux | -20°C, +75°C, 198 - 264 V | EN 61347-2-11 | EUROFINS |
| Photocell | B | Zodion | SS12C 55lux | -20°C, +75°C, 198 - 264 V | EN 61347-2-11 | EUROFINS |
| Photocell | B | Zodion | SS12C 70lux | -20°C, +75°C, 198 - 264 V | EN 61347-2-11 | EUROFINS |
| Wattstopper | A | LEGRAND | FDP-301SR-L7-TG | 16mA, 12-20VDC, ta 75°C, tc 80°C | EN 61347-1 EN 61347-2-11 EN 62493:2015 | ENEC 08 |
| Wattstopper | A | LEGRAND | FDP-301SR-L7-TG | DALI, 1-10V, 24VDC, -40 to 70°C | EN 61347-1 EN 61347-2-11 EN 62493:2015 | ENEC 08 |
| Connector | B | Tyco electronics | Nema socket 7 PIN Class II 2213899-4 | Max15A, max 480V | EN 61984:2009 | UL |

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| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------------|------|-------------------------|---|--|---|---------------------|
| Connector | B | Tyco electronics | 2213899-3 Nema 5 Pin Socket | Max15A, max 480V | IEC 61984 | UL |
| Connector | B | Tyco electronics | NEMA SOCKET 7P 2404021-2 | Max15A, max 600V | IEC 61984 | UL |
| Connector | B | Tyco electronics | NEMA SOCKET 7P 2404021-3 | Max15A, max 600V | IEC 61984 | UL |
| Connector | A | Tyco electronics | 2213858 - 1 SR connector | 1.5A, 30V (typical 24V) | IEC60598 | ENEC05 |
| Connector | B | Electro Terminal | Connector 500/5 SKII | 0,5-2,5mm ² , 16A/500V, T 85 °C | EN60998-2-1 | VDE |
| Connector | B | BJB | 47.121 U303.80 Zhaga Book 18 Socket 4P | 2A, 24V, T 100 °C | EN 61984 | VDE |
| Connector | B | Electro Terminal | K-CON WW 5P M H SMT 88168353 | 0,5-2,5mm ² , 24A/300V, T 85 °C | EN60598-1 | ÖVE |
| Connector | B | Electro Terminal | CON WW 5P H PI 88167916 | 0,5-2,5mm ² , 24A/300V, T 85 °C | EN60598-1 | ÖVE |
| Connector | B | Electro Terminal | CON WW 5P H SMT 88167912 | 0,5-2,5mm ² , 24A/300V, T 85 °C | EN60598-1 | ÖVE |
| Connector | B | O.M.T. | CON CS 3P F 0000013150 | 16A/400V, T 120 °C | EN 60598-1 | CSV |
| Connector | B | O.M.T. | CON CS 3P M 0000013113 | 16A/400V, T 120 °C | EN 60598-1 | CSV |
| Connector | B | Tyco electronics | CON WW 3P F 2834055-1 | - 40°C to 105°C, 3A - 9A, 600V | EN 60598-1 | TÜV |
| Connector | B | Tyco electronics | CON WW 3P M 2834054-1 | - 40°C to 105°C, 3A - 9A, 600V | EN 60598-1 | TÜV |
| Connector | B | Tyco electronics | CON WW 2P F 1-2834049-1 | - 40°C to 105°C, 3A - 9A, 600V | EN 60598-1 | TÜV |
| Connector | B | Tyco electronics | CON WW 2P M 2834048-1 | - 40°C to 105°C, 3A - 9A, 600V | EN 60598-1 | TÜV |
| Connector | B | Tyco electronics | MATE-N-LOK 3P 1-480701-O Contact-M 350699-1 | 0,2 – 0,8 mm ² , 5,5A | IEC 60512 | UL |
| Connector | B | Tyco electronics | MATE-N-LOK 3P 1-480701-O Contact-F 350851-1 | 0,2 – 0,8 mm ² , 5,5A | IEC 60512 | UL |
| Connector | B | Tyco electronics | BRASS CONTACT PIN 350873-1 | 0,8-2,0 mm ² 19A | IEC 60512 | UL |
| Connector | B | Tyco electronics | CONTACT CRIMP F AWG18-24 350851-1 R | 0,8-2,0 mm ² 19A | IEC 60512 | UL |
| Connector | B | Tyco electronics | CS4PL-1-480702-0 | 600V, 120°C | IEC 60512 | UL |
| Connector | B | Tyco electronics | CS4SO 1-480703-0 | 600V, 120°C | IEC 60512 | UL |
| Connector | B | Tyco electronics | TE 3P 1-480700-0 | 600V, 120°C | IEC 60512 | UL |
| Connector | B | Tyco electronics | TE 3P 1-480701-0 | 600V, 120°C | IEC 60512 | UL |
| Connector | B | Tyco electronics | CON CS 3P F PI 350767-1 | 600V, 120°C | EN 61984 | VDE |
| Connector | A | Colosio | M140MN/xx, | 250 - 450V, IP68 | EN 60998-1, EN60998-2-1, EN60529-1, EN60335 | ENEC 03 |
| Terminal block | B | BJB | 46.411.7000.50 | 0,5-1mm ² , 16A/450V | EN 60998-1, EN 60998-2-2 | EAC CQC |
| Terminal block | B | ADELS | CON WW 1P 112001 | 0,5-2,5mm ² , 24A/450V | EN 60998-1, EN 60998-2-2 | VDE |
| SURGE PROTECTIVE DEVICE | B | CPT CIRPROTEC | NSS-10/230-D-LCF-P | I _{max} 10kA, I _n 5kA, Un 230V (50/60Hz), Ta= -40°C to 80°C | EN 61643-11 | CB |
| Surge Protective Device | B | CPT CIRPROTEC | SPD NSS-10/230-C4-WD | I _{max} 10kA, I _n 5kA, Un 230V (50/60Hz), Ta= -40°C to 80°C | EN 61643-11 | CB |
| Surge Protective Device | B | CPT CIRPROTEC | SPD NSS-10/230-C2-WD | I _{max} 10kA, I _n 5kA, Un 230V (50/60Hz), U _{oc} 10kV, U _c (L1-L2/PE) 420V, U _c (L1-L2) 320V, Ta: -40°C to 80°C | EN 61643-11 | CB |
| Surge Protective Device | A | CITEL | MLPCH1-230L-V/DL | I _{max} 10kA, U _{oc} 10kV | EN 61643-11 | ENEC |
| Surge Protective Device | A | CITEL | MLPCH2-230L-V/DL | I _{max} 10kA, U _{oc} 10kV | EN 61643-11 | ENEC |

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| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------------|------|-------------------------|--------------------------------------|----------------------------------|----------------------------------|---------------------|
| Surge Protective Device | A | CIRPROTEC | SPD NSS-10/230-C2-PP | Imax 10kA Uoc 10kV In 5kA | EN:61643-11 | ENEC05 |
| Surge Protective Device | A | CIRPROTEC | SPD NSS-10/230-C4-PP | Imax 10kA Uoc 10kV In 5kA | EN:61643-11 | ENEC05 |
| Connector block | A | BJB | TERMINAL BLOCK BJB 46.411.7000.50 | 450V, 16A, | EN:60998-1 EN:60998-2-2 | ENEC10 |
| Fuse | B | ADELS | TB1SI OF FU-175201 | 250V 6,3A 1,6W | EN 60127-6, EN 60127-1 | VDE |
| Wire | B | OMERIN | R6Y6YS | 0,75mm2, 300/500V | DIN57250-106 | VDE |
| Wire | B | NKT Cables | H05 V2-U 1x0,75mm2 | 0,75mm2, 300/500V | PN-EN 50525-2-31 | BBJ |
| Cable for mains | B | PEC SO CAVI SRL | H05VV-F 5G1,5/3G1,5 | 1,5mm2, 300/500V | EN 50525-2-11 | VDE |
| Cable for mains | B | PEC SO CAVI SRL | H05VV-F 5G2,5/3G2,5 | 2,5mm2, 300/500V | EN 50525-2-11 | VDE |
| Cable for mains | B | PEC SO CAVI SRL | H05RR-F 5G1,5/3G1,5 | 1,5mm2, 300/500V | EN 50525-2-21, IEC 60245-4 | VDE |
| Cable for mains | B | nkt | H05VV-F 5G1,5/3G1,5 | 1,5mm2, 300/500V | EN 50525-2-11 | EZU |
| Cable for mains | B | nkt | H05VV-F 5G2,5/3G2,5 | 2,5mm2, 300/500V | EN 50525-2-11 | EZU |
| Cable for mains | B | nkt | H05VV-U 5G1,5/3G1,5 | 1,5mm2, 300/500V | DIN VDE 0250-204 | VDE |
| Cable for mains | B | XBK | H05VV-U 5G1,5/3G1,5 | 1,5mm2, 300/500V | DIN VDE 0250-204 | VDE |
| Cable for mains | A | Nexans | H07RN-F 5G1/3G1 | 1mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | A | Nexans | H07RN-F 5G1,5/3G1,5 | 1,5mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | A | Nexans | H07RN-F 5G2,5/3G2,5 | 2,5mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | A | La Triventa Cavi SPA | H07RN-F 5G1/3G1 | 1mm2, 450/750V | IEC 60245-4 EN 50525-2-21 | HAR |
| Cable for mains | A | La Triventa Cavi SPA | H07RN-F 5G1,5/3G1,5 | 1,5mm2, 450/750V | IEC 60245-4 | HAR |
| Cable for mains | A | La Triventa Cavi SPA | H07RN-F 5G2,5/3G2,5 | 2,5mm2, 450/750V | IEC 60245-4 | HAR |
| Cable for mains | B | HELUKABEL | H07RN-F 5G1,5/3G1,5 | 1,5mm2, 450/750V | IEC 60245-3 | VDE |
| Cable for mains | A | General Cavi SPA | H07BQ-F 5G1,5/3G1,5 | 1,5mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | B | Elpar | H07RN-F 5G1/3G1 | 1mm2, 450/750V | EN 60228 | VDE |
| Cable for mains | B | Elpar | H07RN-F 5G1,5/3G1,5 | 1,5mm2, 450/750V | EN 60228 | VDE |
| Cable for mains | B | Elpar | H07RN-F 5G2,5/3G2,5 | 2,5mm2, 450/750V | EN 60228 | VDE |
| Cable for mains | B | Elpar | H05VV-F 5G1,5/3G1,5 | 1,5mm2, 300/500V | EN 50525-2-11 | VDE |
| Cable for mains | B | Elpar | H05VV-F 5G2,5/3G2,5 | 2,5mm2, 300/500V | EN 50525-2-11 IEC 60227-5 | VDE |
| Cable for mains | B | Elpar | H07RN-F 3G2,5 | 2,5mm2, 450/750V | EN 60228 | VDE |
| Cable for mains | A | ElettroBrescia | H07RN-F 5G1/3G1 | 1mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | A | ElettroBrescia | H07RN-F 5G1,5/3G1,5 | 1,5mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | A | ElettroBrescia | H07RN-F 5G2,5/3G2,5 | 2,5mm2, 450/750V | EN 50525-2-21 | HAR |
| Cable for mains | A | ElettroBrescia | H05VV-F 5G1,5/3G1,5 | 1,5mm2, 300/500V | EN 50525-2-11 | HAR |
| Cable for mains | B | ElettroBrescia | H05VV-F 5G2,5/3G2,5 | 2,5mm2, 300/500V | EN 50525-2-11 | VDE |
| Cable for mains | B | ElettroBrescia | H05RR-F 5G1,5/3G1,5 | 1,5mm2, 300/500V | EN 50525-2-21 | VDE |
| Cable for mains | B | CMK Cabo | H05VV-FP 5G1,5/3G1,5 | 1,5mm2, 300/500V | BS6004 | BASEC |
| Cable for mains | B | CMK Cabo | H05VV-FP 3G2,5 | 2,5mm2, 300/500V | BS6004 | BASEC |
| Cable for mains | B | Draka | XVB-F2-Cca 3G1,5/4G1,5 | 1,5mm2, 0,6/1 kV Cca-s3,d2,a3 | HD 604 EN 50575 EN 13501-6 | DEKRA |

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| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------|------|-------------------------|--|----------------|-----------|---------------------|
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 006 OS3H1-18 740 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 830 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 006 OS3H2-17 757 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 010 OS3H1-18 740 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 010 OS3H1-18 757 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 740 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 757 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 020 OS3H1-18 610 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 740 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MICRO 030 OS3H1-18 757 | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MINI 040 OS3H1-18 740 | 0.7A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MINI 040 OS3H1-18 757 | 0.7A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ1.0 MINI 040 OS3H1-18 610 | 0.7A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCB LUMA MICRO 10 OSLONG3 WW | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCB LUMA MICRO 20 OSLONG3 WW | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCB LUMA MINI 30 OSLONG3 WW | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCB LUMA MINI 40 OSLONG3 WW | 1.0A, Tc65 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 06 O119H1 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 06 O118H1 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 06 O119H1 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 10 O119H1 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 10 O118H1 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 10 O119H1 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 O119H1 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 O118H1 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 O119H1 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 30 O119H1 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 30 O118H1 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 30 O119H1 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O119H1 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O118H1 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O119H1 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 O118H1 610 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O118H1 610 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 06 O219H1 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 06 O219H1 727 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 06 HP18H1 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 10 O219H1 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |

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| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------|------|-------------------------|--|----------------|-----------|---------------------|
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 10 O219H1 727 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 10 HP18H1 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 O219H1 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 O219H1 727 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MICRO 20 HP18H1 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 30 O219H1 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 30 O219H1 727 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 30 HP18H1 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O219H1 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O219H1 727 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/ Opulent | PCBA LDGOSQ2.0 MINI 40 O119H1 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 O220H2 740 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O220H2 740 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O220H2 740 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O220H2 740 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O220H2 740 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 O220H2 830 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O220H2 830 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O220H2 830 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O220H2 830 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O220H2 830 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 O220H2 757 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O220H2 757 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O220H2 757 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O220H2 757 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O220H2 757 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 O220H2 730 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O220H2 730 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O220H2 730 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O220H2 730 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O220H2 730 1.0 | 1.0A Tc85 | EN 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |

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| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------|------|-------------------------|--|----------------|-----------|---------------------|
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 LARGE 50 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 LARGE 60 SG21H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 LARGE 50 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 LARGE 60 SG21H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 06 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 LARGE 50 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 LARGE 60 SG21H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 06 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 10 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 20 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 30 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 40 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 LARGE 50 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 LARGE 60 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | UL |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 06 SG22H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 10 SG22H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 20 SG22H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 30 SG22H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 40 SG22H2 730 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 06 SG22H2 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 10 SG22H2 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 20 SG22H2 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 30 SG22H2 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 40 SG22H2 757 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 06 SG22H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |

| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-----------------------|------|-------------------------|---|--|---------------------------|---------------------|
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 10 SG22H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 20 SG22H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 30 SG22H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 40 SG22H2 740 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 06 SG22H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 10 SG22H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 20 SG22H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 30 SG22H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 40 SG22H2 830 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 06 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 10 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MICRO 20 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 30 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| PCB LED | B | Philips | PCBA LDGOSQ2.0 MINI 40 SG22H2 722 1.0 | 1.0A Tc85 | IEC 62031 | LCIE |
| Electronic led driver | A | Philips | Xi FP 150W 0.2-0.7A SNLCDAE 230V S240 sXt | 220-240V 50...60 Hz 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 150W 0.3-1.0A SNLCDAE 230V S240 sXt | 220-240V 50...60 Hz 0.3-1,0A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 40W 0.2-0.7A SNLCDAE 230V S175 sXt | 220-240V 50...60 Hz 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 75W 0.2-0.7A SNLCDAE 230V S240 sXt | 220-240V 50...60 Hz 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 75W 0.3-1.0A SNLCDAE 230V S240 sXt | 220-240V 50...60 Hz 0.3-1,0A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 75W 0.2-0.7A SNLDAE 230V C133 sXt | 220-240V 50...60 Hz 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt | 220-240V 50...60 Hz 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| LineSwitch DALI | A | Lunatone | LINESWITCH DALI MC4L, DALI MC1L | Rin=150kΩ, @Vio=500VDC, -20°C to +75°C | EN 61347-1, IEC 62386-103 | ENEC11 |
| Easy Air | A | PHILIPS | SNO110 | 24VDC, 11-16mA, T = -30°C/ 80°C, 260mW | EN 61347-1, EN 61347-2-11 | ENEC05 |
| Bleeder Resistor | B | Plati | VRW68 | 10MΩ, 10kV, insulation 700V, 165°C | IEC 60065 | VDE |
| RF Antenna | A | Philips | LLC7450/00 RF NODE ZHAGA DC 868MHZ LG | 220-240V, 50-60Hz, Ta: -40...+70°C | EN61347-2-11 | ENEC05 |
| RF Antenna | A | Philips | LLC7451/00 RF NODE ZHAGA DC 868MHZ DG | 220-240V, 50-60Hz, Ta: -40...+70°C | EN61347-2-11 | ENEC05 |
| RF Antenna | A | Philips | LLC7452/00 RF NODE ZHAGA DC 868MHZ NGLG | 220-240V, 50-60Hz, Ta: -40...+70°C | EN61347-2-11 | ENEC05 |
| RF Antenna | A | Philips | LLC7453/00 RF NODE ZHAGA DC 868MHZ NGDG | 220-240V, 50-60Hz, Ta: -40...+70°C | EN61347-2-11 | ENEC05 |
| GPRS antenna | A | Philips | LLC7852/00 CT NODE ZHAGA DC EU4VF LG | 15-24V, DC, Ta: -40...+60°C | EN61347 | ENEC05 |
| GPRS antenna | A | Philips | LLC7853/00 CT NODE ZHAGA DC EU4VF DG | 15-24V, DC, Ta: -40...+60°C | EN61347 | ENEC05 |
| GPRS antenna | A | Philips | LLC7856/00 CT NODE ZHAGA DC EU4VF LG | 15-24V, DC, Ta: -40...+60°C | EN61347 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 150W 0.2-0.7A S1 230V S240 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi BP 75W 0.2-0.7A S 230V C133 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=80 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi BP 110W 0.2-0.7A S 230V C133 SXT | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |

| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|---|------|-------------------------------|--|--|--|---------------------|
| Electronic led driver | A | Philips | Xi LP 75W 0.2-0.7A S1 230V C133 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 110W 0.2-0.7A S1 230V C133 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=80 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi SR 75W 0.3-1.0A SNEMP 230V C150 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi BP 22W 0.2-0.7A S 230V C123 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi BP 40W 0.2-0.7A S 230V C123 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 22W 0.2-0.7A S1 230V C123 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 40W 0.2-0.7A S1 230V C123 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 22W 0.2-0.7A SNLDAE 230V C123 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 40W 0.2-0.7A SNLDAE 230V C123 SXT | 220-240V 50...60 Hz, 0.2-0.7A Tc=85 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 22W 0.2-0.7A S1 230V S175 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=80 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 40W 0.2-0.7A S1 230V S175 sXt | 220-240V 50...60 Hz, 0.2-0.7A Tc=80 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 22W 0.3-1.0A S1 230V C123 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi LP 40W 0.3-1.0A S1 230V C123 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | Philips | Xi SR 40W 0.3-1.0A SNEMP 230V C133 sXt | 220-240V 50...60 Hz, 0.3-1.0A Tc=90 °C | EN 61347-1, EN 61347-2-13 | ENEC05 |
| PCB LED | B | Signify | LDG20S RXS 2424 13C16 2S 730 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C16 2S 740 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C16 2S 757 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C16 2S 827 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C16 2S 830 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C16 2S 840 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C24 2S 730 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C24 2S 740 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C24 2S 757 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C24 2S 827 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C24 2S 830 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| PCB LED | B | Signify | LDG20S RXS 2424 13C24 2S 840 H22 | 1050mA; TC80 | IEC 62031 | LCIE |
| Terminal with screwless-type clamping units | B | Electro Terminal GmbH & Co KG | SLK 5/4P OF SKII L-N- - DA/LS-DA | 300 V; Cl. II; T85; IP20; upper terminals: 0,5-2,5 mm ² ; lower terminals: 0,5-2,5 mm ² s, 1,5 — 2,5 mm ² | EN 60998-2- 2:2005-05-01; EN 60598- 1:2018-11-01 cl. 10, 11, 13 and 15 | DEKRA |
| Wire | A | BLF | H05S-U H05S-K 1x0,75mm ² Black | 0,75mm ² , 300/500V | IEC 60228 EN50525-1 EN50525-2-41 | IEMMEQU HAR |
| Connector | B | WAGO | CON WW 2P F PI 873-902 | 0,75– 4 mm ² , 600 V, 6 A | EN 60998 EN 61984 | KEMA-KEUR |

| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-----------------------|------|------------------------------|---|---|------------------------------|--|
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 22W 0.2-1.0A SNEMP 230V C123 sXt | 220-240V 50...60 Hz, 0.2-1.0A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 40W 0.2-1.0A SNEMP 230V C123 sXt | 220-240V 50...60 Hz, 0.2-1.0A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 75W 0.2-1.05A SNEMP 230V C150 sXt | 220-240V 50...60 Hz, 0.2-1.05A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| Electronic led driver | A | PHILIPS LIGHTING ELECTRONICS | Xi SR 110W 0.2-1.05A SNEMP 230V C150 sXt | 220-240V 50...60 Hz, 0.2-1.05A Tc=90 ° | EN 61347-1, EN 61347-2-13 | ENEC05 |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O223H2 730 1.0 | max 1A, max 29W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O223H2 740 1.0 | max 1A, max 29W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 10 O223H2 830 1.0 | max 1A, max 29W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O223H2 730 1.0 | max 1A, max 57W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O223H2 740 1.0 | max 1A, max 57W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O223H2 830 1.0 | max 1A, max 57W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O223H2 730 1.0 | max 1A, max 86W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O223H2 740 1.0 | max 1A, max 86W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O223H2 830 1.0 | max 1A, max 86W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O223H2 730 1.0 | max 1A, max 114W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O223H2 740 1.0 | max 1A, max 114W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O223H2 830 1.0 | max 1A, max 114W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O223H2 740 2.0 | max 2A, max 57W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O223H2 730 2.0 | max 2A, max 57W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MICRO 20 O223H2 830 2.0 | max 2A, max 57W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O223H2 740 2.0 | max 2A, max 86W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O223H2 730 2.0 | max 2A, max 86W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 30 O223H2 830 2.0 | max 2A, max 86W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O223H2 740 2.0 | max 2A, max 114W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O223H2 730 2.0 | max 2A, max 114W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | PCBA LDGOSQ2.0 MINI 40 O223H2 830 2.0 | max 2A, max 114W tc 95C. | IEC 62031:2018 | CB |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 718 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 722 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 727 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 730 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 740 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 757 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 830 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 4S 840 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |

| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------|------|-------------------------|------------------------------------|----------------|----------|----------------------------------|
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 718 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 722 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 727 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 730 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 740 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 757 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 830 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L10 2S 840 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 718 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 722 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 727 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 730 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 740 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 757 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 830 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RS 5050G2 86L20 2S 840 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 718 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 722 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 727 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 730 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 740 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 757 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 830 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 4S 840 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 718 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 722 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |

| Object / part No. | Code | Manufacturer /trademark | Type/Model | Technical data | Standard | Marks of conformity |
|-------------------|------|-------------------------|---------------------------------------|----------------|----------|--|
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 727 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 730 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 740 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 757 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 830 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L30 2S 840 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 718 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 722 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 727 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 730 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 740 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 757 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 830 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |
| PCB LED | B | PHILIPS/Opulent | LDGOP RM 5050G2 86L40 2S 840 H24 R | 1.0A, Tc95 | EN 62031 | Test Report No. 6188953.50 DEKRA |

Supplementary information:

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 test house
- C - Integrated component tested together with the appliance
- D - Alternative component

Date: 2024-06-18 Signature:

 Manager of Certification Office
Kierownik Biura Certyfikacji