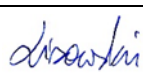




Test Report issued under the responsibility of:
Łukasiewicz - IMiF PREDOM Division

TEST REPORT
IEC 60598-2-3
Luminaires
Part 2: Particular requirements
Section 3: Luminaires for road and street lighting

Report Number..... :	B5-3/126/B/24/M1
Date of issue..... :	Original Report Reference No. B5-3/126/B/24 + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. 1 B5-3/126/B/1/24) + Appendix No.1 – Summary LED modules - Control gears – on CD: 28.10.2024 Amendment No. 1 Report Reference B5-3/126/B/24/M1 + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. B5-3/126/B/1/24/M1) + Appendix No.1 – Summary LED modules - Control gears – on CD: 15.11.2024
Total number of pages :	Original Report Reference No. B5-3/126/B/24 + Appendix No.1 – Summary LED modules - Control gears – on CD: 62 pages + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. 1 B5-3/126/B/1/24 - 2 pages) Amendment No. 1 Report Reference B5-3/126/B/24/M1 + Appendix No.1 – Summary LED modules - Control gears – on CD: 29 pages + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. B5-3/126/B/1/24/M1: 2 pages)
Name of Testing Laboratory preparing the Report	Łukasiewicz - IMiF PREDOM Division 02-255 Warszawa, ul. Krakowiaków 53, Poland
Applicant's name	LUG Light Factory Sp. z o.o.
Address.....	65-127 Zielona Góra, ul. Gorzowska 11, Poland
Test specification:	
Standard	IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
Test procedure	CB Scheme
Non-standard test method	N/A
TRF template used.....	IECEE OD-2020-F1:2021, Ed.1.4
Test Report Form No.	IEC60598_2_3M
Test Report Form(s) Originator	Intertek Semko AB
Master TRF	2021-11-11
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General disclaimer: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing NCB. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.	

Test item description..... :	Luminaires for road and street lighting	
Trade Mark(s) :	LUG	
Manufacturer :	LUG Light Factory Sp. z.o.o. ul. Gorzowska 11, 65-127 Zielona Góra, Poland	
Model/Type reference :	Urbino LED (standard and PLUS version family) cl. I - series	
Ratings :	220-240V, 50/60Hz, IP66, IK09, cl. I	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒	CB Testing Laboratory:	Łukasiewicz - IMiF PREDOM Division
Testing location/ address..... :		02-255 Warszawa, ul. Krakowiaków 53, Poland
Tested by (name, function, signature)..... :		K. Lisowski 
Approved by (name, function, signature).... :		T. Małyska 
Testing procedure: CTF Stage 1:		
Testing location/ address..... :		
Tested by (name, function, signature)..... :		
Approved by (name, function, signature).... :		
Testing procedure: CTF Stage 2:		
Testing location/ address..... :		
Tested by (name + signature) :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature).... :		
Testing procedure: CTF Stage 3:		
Testing procedure: CTF Stage 4:		
Testing location/ address..... :		
Tested by (name, function, signature)..... :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature).... :		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):	
– Attachment No. 1 (Report Reference No. B5-3/126/B/1/24/M1 - 2 pages)	
Summary of testing: Positive According to ISO / IEC Guide 98-4 for the assessment of compliance of the measurement result with the requirements, criterion B was chosen. 50% risk of incorrect assessment decision belongs to the customer and 50% risk of incorrect assessment belongs to the laboratory	
Tests performed (name of test and test clause): IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020 - all clauses	Testing location: Łukasiewicz - IMiF PREDOM Division 02-255 Warszawa, ul. Krakowiaków 53, Poland
Summary of compliance with National Differences (List of countries addressed): See Attachment No. 1 to this Test Report (Report Reference No. B5-3/126/B/1/24/M1 - 2 pages)	
☒ The product fulfils the requirements of EN 60598-2-3:2003 + A1:2011 used in conjunction with EN IEC 60598-1:2021 + A11:2022	
Use of uncertainty of measurement for decisions on conformity (decision rule) : ☒ No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method"). ☐ Other:... (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)	
Information on uncertainty of measurement: The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE. IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer. Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.	
Copy of marking plate:	
*see "General product information".	

Test item particulars: Luminaire for road and street lighting	
Classification of installation and use: Normal use	
Supply Connection: Connector	
Possible test case verdicts: - test case does not apply to the test object.....: N/A - test object does meet the requirement.....: P (Pass) - test object does not meet the requirement.....: F (Fail)	
Testing:	
Date of receipt of test item: 12.11.2024	
Date (s) of performance of tests: 12.11.2024 - 15.11.2024	
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a ☒ comma / ☐ point is used as the decimal separator. Clause numbers between brackets refer to clauses in IEC 60598-1	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60598-1:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided:	☐ Yes ☒ Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies): LUG Light Factory Sp. z.o.o. ul. Gorzowska 11; 65-127 Zielona Góra, Poland	

General product information:

In the original Test Report No. B5-3/126/B/24 dated 28.10.2024, luminaires Urbino LED (standard and PLUS version family) cl. I - series has been evaluated.

Amendment No.1 to Test Report No. B5-3/126/B/24 dated 28.10.2024:

The original Test Report Ref. No. B5-3/126/B/24 dated 28.10.2024 was modified on 15.11.2024

Scope of modifications of this Test Report:

1. The set of LED modules has been completed to a fully and compatible LUXEON 5050 modules matrix (TR. Z7-3/143/B/21/M1) and Cree XP-G3 modules matrix (TR. B10-3/089/B/22/M1).
2. The list of components has been updated

old:

(Luxeon 5050 modules)

ML21XXXYY.WQQQ.UUV

1 2 3 4 5 6 7 8

Designations used on the marking of LED boards:

1. **ML** - PCB designation (ML – LED module):
2. **21** - Year of the project: 21, 22, 23, 24
3. **XXX** - Number of the project:
660, 661, 663, 670, 671, 672, 673, 680, 681, 682, 683, 690, 691, 692, 693
4. **YY** - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99
5. **W** - Light color:
W: White
6. **QQQ** - CRI and CCT:
722: CRI 70 and 2200K
727: CRI 70 and 2700K
730: CRI 70 and 3000K
735: CRI 70 and 3500K
740: CRI 70 and 4000K
750: CRI 70 and 5000K
757: CRI 70 and 5700K
765: CRI 70 and 6500K
822: CRI 80 and 2200K
827: CRI 80 and 2700K
830: CRI 80 and 3000K
835: CRI 80 and 3500K
840: CRI 80 and 4000K
850: CRI 80 and 5000K
857: CRI 80 and 5700K
865: CRI 80 and 6500K
7. **UU** - Assembly variant (selected components not mounted):
01...99
8. **V** - NTC Thermistor type:
A - none
B – 10K
C – 47K

new:

(Luxeon 5050 modules)

ML21XXXYY.WQQQ.UUV

1 2 3 4 5 6 7 8

Designations used on the marking of LED boards:

1. **ML** - PCB designation (ML – LED module):
2. **21** - Year of the project: 19, 20, 21, 22, 23, 24
3. **XXX** - Number of the project:
660, 670, 680, 690, 661, 671, 681, 691, 662, 672, 682, 692, 663, 673, 683, 693, 241, 253, 254, 257, 273, 255, 238, 249, 272, 271
4. **YY** - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration):
00...99
5. **W** - Light color:
W: White
6. **QQQ** - CRI and CCT:
722: CRI 70 and 2200K
727: CRI 70 and 2700K
730: CRI 70 and 3000K
735: CRI 70 and 3500K
740: CRI 70 and 4000K
750: CRI 70 and 5000K
757: CRI 70 and 5700K
765: CRI 70 and 6500K
822: CRI 80 and 2200K
827: CRI 80 and 2700K
830: CRI 80 and 3000K
835: CRI 80 and 3500K

- 840: CRI 80 and 4000K
850: CRI 80 and 5000K
857: CRI 80 and 5700K
865: CRI 80 and 6500K
7. **UU** - Assembly variant (selected components not mounted): 01...99
8. **V** - NTC Thermistor type:
A - none
B - 10K
C - 47K

old:

(Cree XPG3 modules)

ML21XXXYY.WQQQ.UUV

Designations used on the marking of LED boards:

1. **ML** - PCB designation (ML – LED module):
2. **20** - Year of the project: 21, 22, 23, 24
3. **XXX** - Number of the project: 600, 601, 610, 611
4. **YY** - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99
5. **W** - Light color:
W: White
6. **QQQ** - CRI and CCT:
722: CRI 70 and 2200K
727: CRI 70 and 2700K
730: CRI 70 and 3000K
735: CRI 70 and 3500K
740: CRI 70 and 4000K
750: CRI 70 and 5000K
757: CRI 70 and 5700K
765: CRI 70 and 6500K
822: CRI 80 and 2200K
827: CRI 80 and 2700K
830: CRI 80 and 3000K
835: CRI 80 and 3500K
840: CRI 80 and 4000K
850: CRI 80 and 5000K
857: CRI 80 and 5700K
865: CRI 80 and 6500K
7. **UU** - Assembly variant (selected components not mounted): 01...99
8. **V** - NTC Thermistor type:
A - none
B - 10K
C - 47K

new:

(Cree XPG3 modules)

ML21XXXYY.WQQQ.UUV

Designations used on the marking of LED boards:

1. **ML** - PCB designation (ML – LED module):
2. **20** - Year of the project: 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24
3. **XXX** - Number of the project: 001, 002, 003, 004, 005, 008, 009, 010, 013, 014, 017, 020, 023, 024, 182, 193, 271, 272, 273, 281, 506, 513, 600, 601, 610, 611
4. **YY** - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99
5. **W** - Light color:
W: White
6. **QQQ** - CRI and CCT:
722: CRI 70 and 2200K
727: CRI 70 and 2700K
730: CRI 70 and 3000K
735: CRI 70 and 3500K
740: CRI 70 and 4000K
750: CRI 70 and 5000K
757: CRI 70 and 5700K
765: CRI 70 and 6500K
822: CRI 80 and 2200K
827: CRI 80 and 2700K
830: CRI 80 and 3000K
835: CRI 80 and 3500K
840: CRI 80 and 4000K
850: CRI 80 and 5000K
857: CRI 80 and 5700K
865: CRI 80 and 6500K
7. **UU** - Assembly variant (selected components not mounted): 01...99
8. **V** - NTC Thermistor type:
A - none
B - 10K
C - 47K

After review of technical documentation, the declared data of the manufacturer, list of critical components and results of previous investigation and testing it has been decided that no additional tests are considered necessary.

Name and address of the license holder: <i>Nazwa i adres posiadacza certyfikatu:</i>	LUG Light Factory Sp z o.o. ul. Gorzowska 11; 65-127 Zielona Góra - Poland
Name and address of manufacturer: <i>Nazwa i adres producenta:</i>	LUG Light Factory Sp z o.o. ul. Gorzowska 11; 65-127 Zielona Góra - Poland
Name and address of manufacturing place: <i>Nazwa i adres miejsca produkcji:</i>	LUG Light Factory Sp z o.o. ul. Gorzowska 11; 65-127 Zielona Góra - Poland
Name of the product: <i>Nazwa wyrobu:</i>	Urbino LED (standard and PLUS version family) cl. I
Type (model): <i>Typ (model):</i>	Oprawa uliczna
Trade mark: <i>Znak handlowy:</i>	LUG
Technical data: <i>Dane techniczne:</i>	
rated voltage	220 - 240 V
rated frequency	50/60 Hz
protection against electric shock	Class I
degree of protection	IP 66, IK09
Ta	from 4,5 to 79W – -40°C - 55°C
	from 80W to 210W – -40°C - 50°C

Choice sheet of the luminaires Urbino LED (standard and PLUS version family) cl. I - series:

Example of symbol (Marking):

130222.7LR7B40S895.101.B.N.V.P.K.O

1
2
3
4
5
6
7
8
9

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

- | | |
|-----------------|--|
| 1. 13022 | - Code of the series URBINO LED (<i>Kod rodziny</i>) |
| 2. 2 | - Color (<i>kolor</i>):
2: grey
5: graphite
0: another |
| 3. 7L | - Control type (<i>Typ sterowania</i>):
2L - DIMM 1-10V
3L – DALI
5L – on-off
6L – on-off / DALI
7L – ZHAGA D4i
PL – programmable (<i>programowalny</i>) |
| 4. R7 | - CRI:
R7 = 70-79
R8 = 80-89 |
| 5. B40 | - Color temperature [K] (<i>Temperatura barwowa</i>):
B22 = 2200
B27 = 2700
B30 = 3000
B40 = 4000
B57 = 5700
B65 = 6500 |
| 6. S895 | - Luminous flux (<i>strumień świetlny</i>) (e.g. (<i>przykład</i>) 895 = 8950lm) |

7. 1	- Safety Class I (<i>Klasa ochronności</i>)
8. 01	- Optic type – for road lighting (<i>Typ optyki – dla opraw ulicznych</i>) 01 to 99
9. B.N.V.P.K.O	- Additional equipment (<i>Dodatkowe wyposażenie</i>): A - additional corrosion protection (<i>Dodatkowa ochrona przed korozją</i>) B - Tool-free access to the LED Driver (<i>Beznarzędziowy dostęp do sterownika LED</i>) U - $\varnothing 76$ mm pole (<i>$\varnothing 76$mm słup</i>) N - NEMA Socket (<i>złącze NEMA</i>) Z - ZHAGA Socket (<i>złącze ZHAGA</i>) T - NTC Sensor (<i>Czujnik NTC</i>) W - Twilight Sensor (<i>Czujnik zmierzchu</i>) V - Surge Device Protector 10kV (<i>Zabezpieczenie przeciwprzepięciowe 10kV</i>) Y - Surge Device Protector 20kV (<i>Zabezpieczenie przeciwprzepięciowe 20kV</i>) P- Anti pressure vent (<i>Odpowietrznik przeciwcisnieniowy</i>) I- iBloc ("URBAN" smart city system) (<i>system inteligentnego miasta „URBAN”</i>) K- Knife switch connector (<i>Złącze nożowe</i>) C - RAL Color (<i>kolor RAL</i>) O - Investment luminaire (Oprawa inwestycyjna) L – Regulated CCT (Tunable White) (Regulowana temperatura barwowa) S – Switchable Optic (Przełączalna optyka) X – version Plus (Wersja Plus)

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

See Appendix No.1 – Summary LED modules - Control gears – on CD

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information				P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
LED Modules	A	LUG	ML21XXXYY.WQQQ.UUV (Luxeon 5050 modules) (choice sheet below)	Tc -40°C to +85°C	EN 62031	ENEC
ML21XXXYY.WQQQ.UUV 1 2 3 4 5 6 7 8 Designations used on the marking of LED boards: 1. ML - PCB designation (ML – LED module): 2. 21 - Year of the project: 19, 20, 21, 22, 23, 24 3. XXX - Number of the project: 660, 670, 680, 690, 661, 671, 681, 691, 662, 672, 682, 692, 663, 673, 683, 693, 241, 253, 254, 257, 273, 255, 238, 249, 272, 271 4. YY - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99 5. W - Light color: W: White 6. QQQ - CRI and CCT: 722: CRI 70 and 2200K 727: CRI 70 and 2700K 730: CRI 70 and 3000K 735: CRI 70 and 3500K 740: CRI 70 and 4000K 750: CRI 70 and 5000K 757: CRI 70 and 5700K 765: CRI 70 and 6500K 822: CRI 80 and 2200K 827: CRI 80 and 2700K 830: CRI 80 and 3000K 835: CRI 80 and 3500K 840: CRI 80 and 4000K 850: CRI 80 and 5000K 857: CRI 80 and 5700K 865: CRI 80 and 6500K 7. UU - Assembly variant (selected components not mounted): 01...99 8. V - NTC Thermistor type: A - none B – 10K C – 47K						
LED Module	A	LUG	ML21XXXYY.WQQQ.UUV (Cree XPG3 modules) (choice sheet below)	Tc -40°C to +85°C	EN 62031	ENEC
ML21XXXYY.WQQQ.UUV 1 2 3 4 5 6 7 8 Designations used on the marking of LED boards: 1. ML - PCB designation (ML – LED module): 2. 20 - Year of the project: 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24 3. XXX - Number of the project: 001, 002, 003, 004, 005, 008, 009, 010, 013, 014, 017, 020, 023, 024, 182, 193, 271, 272, 273, 281, 506, 513, 600, 601, 610, 611 4. YY - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99 5. W - Light color: W: White 6. QQQ - CRI and CCT: 722: CRI 70 and 2200K 727: CRI 70 and 2700K 730: CRI 70 and 3000K 735: CRI 70 and 3500K 740: CRI 70 and 4000K 750: CRI 70 and 5000K 757: CRI 70 and 5700K 765: CRI 70 and 6500K 822: CRI 80 and 2200K 827: CRI 80 and 2700K 830: CRI 80 and 3000K 835: CRI 80 and 3500K 840: CRI 80 and 4000K 850: CRI 80 and 5000K 857: CRI 80 and 5700K 865: CRI 80 and 6500K 7. UU - Assembly variant (selected components not mounted): 01...99 8. V - NTC Thermistor type: A - none B – 10K C – 47K						

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	OSRAM	OT180W/UNV/800C/2DI MLT2/P6	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT100W/UNV/800C/2DI MLT2/P6	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 20/170-240/1A0 1DIM LT2 G1 CE	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=75°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 40/170...240/1A0 1DIMLT2 G1 CE	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 75/170...240/1A0 1DIMLT2 G1 CE	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 110/170...240/1A0 1DIMLT2 G1 CE	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT DX 40/220...240/1A0 DIMA LT2 E	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT DX 75/220...240/1A0 DIMA LT2 E	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT DX 110/220...240/1A0 DIMA LT2 E	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT DX 165/220...240/1A0 DIMA LT2 E	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 20/170...240/1A0 4DIMLT2 G2 CE	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=75°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 40/170...240/1A0 4DIMLT2 G2 CE	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 75/170...240/1A0 4DIMLT2 G2 CE	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 110/170...240/1A0 4DIMLT2 G2 CE	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=75°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 40/120...277/1A0 4DIMLT2 E	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 60/170...240/1A0 4DIMLT2 E	220..240V, 50-60Hz, ta= - 40...+60°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 90/170...240/1A0 4DIMLT2 E	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 165/170...240/1A0 4DIMLT2 E	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 50/120...277/800 2DIMLT2 P6	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 50/120...277/1A2 2DIMLT2 P6	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	OSRAM	OT 100/120...277/800 2DIMLT2 P6	220..240V, 50-60Hz, ta= -40...+550C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 110/120...277/1A4 2DIMLT2 P6	220..240V, 50-60Hz, ta= -40...+550C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 60/220...240/1A4 1DIMA P7	220..240V, 50-60Hz, ta= -40...+550C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 100/220...240/1A4 1DIMA P7	220..240V, 50-60Hz, ta= -40...+550C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 150/220...240/1A4 1DIMA P7	220..240V, 50-60Hz, ta= -40...+550C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 200/220...240/1A4 1DIMA P7	220..240V, 50-60Hz, ta= -40...+550C, tc max=750C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 165/220...240/1A0 1DIM G2 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 165/170...240/1A0 4DIMLT2 G2 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 75/UNV/1A0 2DIM P7	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 100/UNV/1A0 2DIM P7	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 150/UNV/1A0 2DIM P7	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 200/UNV/1A0 2DIM P7	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 100/ 220-240/1A4 2DIM P7	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 150/ 220-240/1A4 2DIM P7	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 200/ 220-240/1A4 2DIM P7	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	IT DALI 20/220...240/1A0 E	220...240 V/50/60Hz, Ta =-40...+60 °C, Tc max =75 °C	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 62386	CE / CCC / EAC / RCM / VDE / VDE-EMC / UKCA / DALI-2 / ENEC	
Control gear	A	OSRAM	IT DALI 40/220...240/1A0 E	220...240 V/50/60Hz, Ta =-40...+60 °C, Tc max =85 °C	EN 61347-2-13, EN 61347-1	VDE, ENEC10	
Control gear	A	OSRAM	IT DALI 75/220...240/1A0 E	220...240 V/50/60Hz, Ta =-40...+60 °C, Tc max =100 °C	EN 61347-2-13	VDE, ENEC10	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1	TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Control gear	A	OSRAM	IT DALI 110/220...240/1A0 E	220...240 V/50/60Hz, Ta =-40...+60 °C, Tc max =90 °C	EN 61347-2-13, EN 61347-1	VDE, ENEC10
Control gear	A	OSRAM	IT DALI 150/220...240/1A0 E	220...240, 50/60Hz, Ta =-40...+55 °C, Tc max =85 °C	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 62386	CCC / CE / RCM / EAC / UKCA / DALI-2 / VDE / VDE-EMC / ENEC
Control gear	A	OSRAM	IT DALI 200/220...240/1A0 E	220...240, 50/60Hz, Ta =-40...+60 °C, Tc max =75 °C	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 62386	CCC / CE / RCM / EAC / UKCA / DALI-2 / VDE / VDE-EMC / ENEC
Control gear	A	Osram	OT 75 /220...240/1A0 1DIM G2 CE	220...240V, 50/60Hz, Ta =-40...+55 °C, Tc max =85 °C	EN 61347-2-13, EN 61347-1	CE / ENEC / VDE / VDE-EMC / CCC / EAC ENEC 10 VDE
Control gear	B	OSRAM	OT 50/120...277/700 P5	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB by Dekra
Control gear	B	OSRAM	OT 100/120...277/700 P5	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB by Dekra
Control gear	B	OSRAM	OT 180/120...277/700 P5	120..277V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB by Dekra
Control gear	B	OSRAM	OT 100/220...240/4A2 P5	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB certyfikat
Control gear	B	OSRAM	OT 150/220...240/4A9 P5	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB certyfikat
Control gear	B	OSRAM	OT 200/220...240/5A6 P5	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB certyfikat
Control gear	A	OSRAM	OT 20/170...240/1A0 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=75°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 40/170...240/0A7 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 40/170...240/1A0 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 75/170...240/0A7 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 75/170...240/1A0 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 75/170...240/1A5 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 110/170...240/0A7 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 110/170...240/1A0 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE
Control gear	A	OSRAM	OT 165/170...240/1A0 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	OSRAM	OT 200/170...240/1A0 4DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=95°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT DX 24/170...240/0A7 DIMA NFC G2	170..240V, 50-60Hz, ta= -40...+55°C, tc max=75°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT DX 40/170...240/1A0 DIMA NFC G2	170..240V, 50-60Hz, ta= -40...+55°C, tc max=75°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT DX 75/170...240/1A0 DIMA NFC G2	170..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT DX 110/170...240/1A0 DIMA NFC G2	170..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT DX 165/170...240/1A0 DIMA NFC G2	170..240V, 50-60Hz, ta= -40...+55°C, tc max=95°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT DX 200/170...240/1A0 DIMA NFC G2	170..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	IT DALI 20/120...240/1A0 P7	120..240V, 50-60Hz, ta= -40...+70°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	IT DALI 40/120...240/1A0 P7	120..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	IT DALI 75/120...240/1A0 P7	120..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	IT DALI 110/120...240/1A0 P7	120..240V, 50-60Hz, ta= -40...+60°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	IT DALI 150/120...240/1A0 P7	120..240V, 50-60Hz, ta= -40...+60°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	IT DALI 200/120...240/1A0 P7	120..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	OSRAM	OT 20/170-240/1A0 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=75°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 40/170-240/0A7 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 40/170-240/1A0 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+60°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 75/170-240/0A7 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 75/170-240/1A0 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 110/170-240/0A7 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 110/170-240/1A0 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OT 165/170-240/1A0 1DIM NFC G3 CE	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OTI DALI 15/220-240/1A0 NFC TW	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OTI DALI 25/220-240/700 NFC TW	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OTI DALI 35/220-240/1A0 NFC TW	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	OSRAM	OTI DALI 50/220-240/1A4 NFC TW	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10 VDE	
Control gear	A	Inventronics	EBS-025S045BT2	176..305V, 50-60Hz, ta= -40...+750C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Inventronics	EBS-025S070BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-025S105BT2	171..275V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-040S045BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-040S070BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-040S105BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1	ENEC	
Control gear	A	Inventronics	EBS-080S070BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1	ENEC	
Control gear	A	Inventronics	EBS-080S105BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-1	ENEC	
Control gear	A	Inventronics	EBS-080S150BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-120S070BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-120S105BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-120S150BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-165S070BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-165S105BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-165S150BT2	176..305V, 50-60Hz, ta= - 40...+750C, tc max=900C	EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EUM-075S	90..305V, 50-60Hz, ta= - 40...+80°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EUM – 100S	100..277V, 50-60Hz, ta= - 40...+75°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EUM – 150S	100..277V, 50-60Hz, ta= - 40...+75°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EUM – 200S	100..277V, 50-60Hz, ta= - 40...+75°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 40W 0.7A Prog+ GL-J sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 75W 0.35-0.70A GL Prog+ sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Philips	Xitanium 75W 0.1-1.05A Prog GL F sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 100W 0.7A Prog+ GL-Z sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 150W 0.1-1.05A Prog+ GL F sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 150W 0.35-0.70A GL Prog sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 12W 0.1-0.5A S 230V C100	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 22W 0.2-0.7A S 230V C123	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 40W 0.2-0.7A S 230V C123	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 40W 0.3-1.0A S 230V C123	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 75W 0.2-0.7A S 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 75W 0.3-1.0A S 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 110W 0.2-0.7A S 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi BP 110W 0.3-1.0A S 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 22W 0.2-0.7A S1 230V C123 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 22W 0.3-1.0A S1 230V C123 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.2-0.7A S1 230V C123 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.3-1.0A S1 230V C123 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.2-0.7A S1 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.3-1.0A S1 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.5-1.5A S1 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 110W 0.2-0.7A S1 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Philips	Xi LP 110W 0.3-1.0A S1 230V C133 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 165W 0.2-0.7A S1 230V C170 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 165W 0.3-1.0A S1 230V C170 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 165W 0.5-1.5A S1 230V C170 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 22W 0.2-0.7A S1 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 22W 0.3-1.0A S1 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.2 -0.7A S1 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.2-0.7A SL 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.3-1.0A S1 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.3-1.0A SL 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 40W 0.2-0.7A SN 230V S175 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.2-0.7A S1 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.2-0.7A SL 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.3-1.0A S1 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.3-1.0A SL 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.2-0.7A SN 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 75W 0.5-1.5A S1 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 150W 0.2-0.7A S1 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 150W 0.3-1.0A S1 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 150W 0.5-1.5A S1 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Philips	Xi FP 22W 0.2-0.7A SNLDAE 230V C123 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 22W 0.3-1.0A SNLDAE 230V C123 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 40W 0.2-0.7A SNLDAE 230V C123 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 70W 0.3-1.0A NLD C150 230V sXt	220..240V, 50-60Hz, ta= - 30...+60°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 75W 0.2-0.7A SNLDAE 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 75W 0.5-1.5A SNLDAE 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 110W 0.3-1.0A NLD C150 230V sXt	220..240V, 50-60Hz, ta= - 30...+60°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 165W 0.2-0.7A SNLDAE 230V C170 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 220W 0.2-1.0A SNLDAE 230V C170 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 22W 0.2-0.7A SNLDAE 230V S175 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 40W 0.2-7.0A SNLDAE 230V S175 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Philips	Xi FP 75W 0.3-1.0A SNLDAE 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi FP 150W 0.3-1.0A SNLDAE 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 12W 0.2-0.7A SNEMP 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 22W 0.2-0.7A SNEMP 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 75W 0.2-0.7A SNEMP 230V C150 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 75W 2 0.3-1.0A SNEMPF C170 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 75W 0.2-0.7A SNEMP 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 75W 0.3-1.0A SNEMP 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 150W 0.2-0.7A SNEMP 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi SR 150W 0.3-1.0A SNEMP 230V S240 sXt	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 100W 2.1-4.2A AOC 230V I220	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 150W 2.5-4.9A AOC 230V I220	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 200W 2.8-5.6A AOC 230V I250	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 100W 0.3-1.05A S1 230V I175	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 150W 0.3-1.05A S1 230V I175	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 220W 0.3-1.05A S1 230V I230	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xi LP 220W 0.5-1.5A S1 230V I230	220..240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Philips	Xitanium Dim 35W 0.7A 1-10V TWE I175	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium Dim 100W 0.7A 1-10V TWE I220	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium Dim 150W 0.7A 1-10V TWE I220	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 75W 0.7A TWE I175	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 150W 0.7A TWE I220	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 75W 1.05A 1-10V 230V C165 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 75W 0.70A 1-10V 230V C165 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 150W 0.70A 1-10V 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium Dim 75W 0.70A 1-10V 230V I220	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium Dim 150W 0.70A 1-10V 230V I220	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 75W 1-10V 230V C165	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Philips	Xitanium 150W 1.05A 1-10V 230V S240 sXt	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCA 120W 300-1050mA	220..240V, 50-60Hz, ta= -30...+55°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCA 75W 250-750mA one	220..240V, 50-60Hz, ta= -40...+70°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCA 120W 350-1050mA o	220..240V, 50-60Hz, ta= -40...+70°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCA 160W 350-1050mA o	220..240V, 50-60Hz, ta= -40...+70°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 14/100-500/38 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 24/200-1050/39 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 40/200-1050/64 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 60/200-1050/100 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Tridonic	LCO 90/200-1050/165 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 135/200-1050/220 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/200-1050/355 NF C ADV3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 14/100-500/38 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 24/200-1050/39 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 40/200-1050/64 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 60/200-1050/100 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=95°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 60/700-1500/43 o4a NFC C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=95°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 90/200-1050/165 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 135/200-1050/220 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 135/700-1050/220 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/200-1050/355 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/700-1050/191 o4a NF C EXC3	220..240V, 50-60Hz, ta= -40...+70°C, tc max=100°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 75/1050/72 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 75/1400/53 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 75/500/150 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 75/700/108 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 100/1050/95 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 100/1400/71 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 100/500/200 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Tridonic	LCO 100/700/143 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 150/1050/142 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 150/1400/107 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 150/500/300 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 150/700/214 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/1050/190 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/1400/142 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=85°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/500/400 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/700/285 fixC L SNC2	220..240V, 50-60Hz, ta= -40...+65°C, tc max=80°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 75/200-1400/ flexC 0-10V NF L SNC3	220..240V, 50-60Hz, ta= -40...+600C, tc max=900C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 100/200-1400/ flexC 0-10V NF L SNC3	220..240V, 50-60Hz, ta= -40...+600C, tc max=900C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 150/200-1400/ flexC 0-10V NF L SNC3	220..240V, 50-60Hz, ta= -40...+600C, tc max=900C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200/200-1400/ flexC 0-10V NF L SNC3	220..240V, 50-60Hz, ta= -40...+600C, tc max=900C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 14W 100-550mA 38V pD+ NFC C PRE3	220..240V, 50-60Hz, ta= -40...+700C, tc max=950C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 24W 200-1050mA 39V pD+ NFC C PRE3	220..240V, 50-60Hz, ta= -40...+700C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 40W 200-1050mA 64V pD+ NFC C PRE3	220..240V, 50-60Hz, ta= -40...+650C, tc max=950C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 40W 200-1050mA 58V 2xCH pD+ NF C PRE3	220..240V, 50-60Hz, ta= -40...+650C, tc max=950C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 60W 200-1050mA 100V pD+ NFC C PRE3	220..240V, 50-60Hz, ta= -40...+650C, tc max=950C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 80W 200-1050mA 91V 2xCH pD+ NF C PRE3	220..240V, 50-60Hz, ta= -40...+700C, tc max=950C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 90W 200-1050mA 165V pD+ NFC C PRE3	220..240V, 50-60Hz, ta= -40...+700C, tc max=950C	EN 61347-1 EN 61347-2-13	ENEC	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Tridonic	LCO 120W 200-1050mA 182V 2xCH pD+ NF C PRE3	220...240V, 50-60Hz, ta= - 40...+700C, tc max=950C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 135W 200-1050mA 220V pD+ NFC C PRE3	220...240V, 50-60Hz, ta= - 40...+700C, tc max=850C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 165W 200-1050mA 285V pD+ NFC C PRE3	220...240V, 50-60Hz, ta= - 40...+650C, tc max=950C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 165W 200-1050mA 285V one4all NFC C EXC3	220...240V, 50-60Hz, ta= - 40...+700C, tc max=1000C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Tridonic	LCO 200W 200-1050mA 355V pD+ NFC C PRE3	220...240V, 50-60Hz, ta= - 40...+70°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	LACROIX	DL-PAK 70	220...240 50/60Hz, Ta = - 25...+60 °C, Tc max =90 °C	EN 61347-2-13, EN 61347-1	ENEC08	
Control gear	A	LACROIX	DL-Pak 100L	220...240 50/60Hz, Ta = - 25...+55 °C, Tc max =90 °C	EN 61347-2-13, EN 61347-1	ENEC	
Control gear	A	DELTA	EUCI-040105GLA	220...240 V/50/60Hz, Ta = - 40...+60 °C, Tc max =85 °C	EN 61347-2-13, EN 61347-1	ENEC 15	
Control gear	A	DELTA	EUCI-075105GLA	220...240 V/50/60Hz, Ta = - 40...+55 °C, Tc max =85 °C	EN 61347-2-13, EN 61347-1	ENEC 15	
Control gear	A	DELTA	EUCI-130105GLA	220...240 V/50/60Hz, Ta = - 40...+55 °C, Tc max =85 °C	EN 61347-2-13, EN 61347-1	ENEC 18	
Control gear	A	DELTA	EUCI-170105GLA	220...240 V/50/60Hz, Ta = - 40...+55 °C, Tc max =90 °C	EN 61347-2-13, EN 61347-1	ENEC 15	
Control gear	A	Delta	EUCI-022105GLB	220...240V, 50/60Hz, Ta = - 40...+55 °C, Tc max =85 °C	EN 61347-2-13, EN 61347-1	ENEC	
Control gear	A	Delta	EUCI-040105GLB	198...264V, 50/60Hz, Ta = - 40...+55 °C, Tc max =90 °C	EN 61347-2-13, EN 61347-1	ENEC	
Control gear	A	Delta	EUCI-075105GLB	220...240 V/50/60Hz, Ta = - 40...+55 °C, Tc max = 85 °C	EN 61347-2-13, EN 61347-1	ENEC	
Control gear	A	Delta	EUCI 022105GIA	220...240V, 50-60Hz, ta= - 40...+60°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Delta	EUCI 040105GIA	220...240V, 50-60Hz, ta= - 40...+60°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Delta	EUCO 150140GA	220...240V, 50-60Hz, ta= - 40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Delta	EUCO 200140GA	220...240V, 50-60Hz, ta= - 40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-50VP-72BH	100...277V, 50-60Hz, ta= - 40...+90C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-75VP-108BH	100...277V, 50-60Hz, ta= - 40...+90C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-100VP-143BH	100...277V, 50-60Hz, ta= - 40...+90C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-150VP-215BH	100...277V, 50-60Hz, ta= - 40...+90C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-200VP-190BH	100...277V, 50-60Hz, ta= - 40...+90C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-200VP-286BH	100...277V, 50-60Hz, ta= - 40...+90C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-22PA- 32B	220...240V, 50-60Hz, ta= - 40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC, CB	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	SOSEN	SS-40PA-54B	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC, CB	
Control gear	A	SOSEN	SS-75PA-108B	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC, CB	
Control gear	A	SOSEN	SS-110PA-160B	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC, CB	
Control gear	A	SOSEN	SS-165PA-235B	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC, CB	
Control gear	A	SOSEN	SS-165PA-236F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-22PA- 32F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-22PA- 49F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-22PA- 72F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-40PA-57F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-40PA-80F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-40PA-133F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-75PA-114F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-75PA-178F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-75PA-245F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-110PA-105F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-110PA-160F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-110PA-245F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-165PA-157F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-165PA-236F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-165PA-367F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-220PA-210F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-220PA-314F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	SOSEN	SS-220PA-415F	220..240V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Pelsan	316646 150W	220..240V, 50-60Hz, ta= -40...+90C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 05	
Control gear	A	ELDO LED	OT50W/UNV/800C/2DIM LT2/P6	120..277V, 50-60Hz, ta= -40...+60C, tc max=90C	EN 61347-1, EN 61347-2-13	UL Listed (C-UL-US) bez ENEC	
Control gear	A	Moso	U6-040D057	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	U6-080D115	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	U6-120D172	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Moso	U7-026D038	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	U7-040D057	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	U7-060D086	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	U7-080D115	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	U7-120D172	220..240V, 50-60Hz, ta= -40...+500C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	LUP 120	220..240V, 50-60Hz, ta= -40...+60°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	LUP 150	220..240V, 50-60Hz, ta= -40...+60°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Moso	LUP 200	220..240V, 50-60Hz, ta= -40...+60°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	uPowerTek	APD-040	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	APD-075	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	APD-110	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	APD-165	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	APD-200	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	BLD-060	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	BLD-075	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	BLD-096	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	uPowerTek	BLD-120	176..264V, 50-60Hz, ta= -40...+900C, tc max=900C	EN 61347-1, EN 61347-2-13	ENEC 15	
Control gear	A	TCI	MILANOinLED 75W/200-1050 AD	220..240V, 50-60Hz, ta= -40...+550C, tc max=850C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 20W/200-1050 1PN	220..240V, 50-60Hz, ta= -40...+60°C, tc max=75°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 40W/200-1050 1PN	220..240V, 50-60Hz, ta= -40...+60°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 75W/200-1050 1PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 110W/200-1050 1PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 165W/200-1050 1PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 20W/200-1050 4PN	220..240V, 50-60Hz, ta= -40...+60°C, tc max=75°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 40W/200-1050 4PN	220..240V, 50-60Hz, ta= -40...+60°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 75W/200-1050 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 110W/200-1050 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC 10	
Control gear	A	TCI	MILANOinLED 165W/200-1050 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC 10	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	TCI	VEGA 75/530-1050 FPD IP67	220..240V, 50-60Hz, ta= -40...+60°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	VEGA 105/530-1050 FPD IP67	220..240V, 50-60Hz, ta= -40...+60°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	VEGA 150/530-1050 FPD IP67	220..240V, 50-60Hz, ta= -40...+60°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	VEGA 200/530-1050 FPD IP67	220..240V, 50-60Hz, ta= -40...+60°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 22W 200-700 1-10V	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 40W 200-700 1-10V	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 75W 200-700 1-10V	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 110W 200-700 1-10V	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 165W 200-700 1-10V	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 22W 200-700 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 40W 200-700 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 75W 200-700 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=80°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 110W 200-700 4PN	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 22W 200-700 AD	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 40W 200-700 AD	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 75W 200-700 AD	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 110W 200-700 AD	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	TCI	SIRIO SQ 165W 200-700 AD	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Eaglerise	CKH-26-500 IP67 R	220..240V, 50-60Hz, ta= -40...+60°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Ledants	URF A100-A	220..240V, 50-60Hz, ta= -40...+65°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.639	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC 18	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.640	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC 18	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.641	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC 18	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.642	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC 18	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.659	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC 18	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.660	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC 18	
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.682	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC	

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1	TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.683	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.684	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC
Control gear	A	Vossloh schwabe	PRIMELINE ECXd 1050.685	220..240V, 50-60Hz, ta= -40...+55°C, tc max=85°C	EN 61347-1, EN 61347-2-13	CB, ENEC
Control gear	A	Lifud	LF-ACD040A/B	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC
Control gear	A	Lifud	LF-ACD075A/B/C	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC
Control gear	A	Lifud	LF-ACD120A/B	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC
Control gear	A	Lifud	LF-ACD165A/B	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1, EN 61347-2-13	ENEC
Wires LED	B	Mrowiec	H05V-U	500 V; 0,5 mm2	EN 50525	BBJ
Internal wires	B	Mrowiec	H05V-K	500 V; 1 mm2	EN 50525	BBJ
Supply cord	B	TF Kable	H07RN-F	450/750 V;	EN 50525	BBJ
Internal wires	B	E.M.C. Colosio	RD10-B	300/500 V; 0,5 mm2	EN 50525	IMQ, <HAR>
Silicon Fiberglass Insulating Sleeving	B	Isolcavi	GVES 1500	min. 1500 Volt, Temp - 60...+250°C	IEC 60684-3-400/402:2002	UL 1441 - File E311983
Connector	B	Jiang Men Krealux Electrical	P02-M	17,5A; 450 V	EN 60988-1 EN 60998-2-2	VDE
Connector	A	Openwise	925	16A; 450 V	EN 60988-1 EN 60998-2-2	ENEC
Connector	A	Openwise	928	32A; 450 V	EN 60988-1 EN 60998-2-2	ENEC
Connector	A	Greenway Electronics Co Ltd	M684	16A; 450 V	EN 61984, EN 60988-1, EN 60998-2-1, EN 62444	ENEC
Terminal block	B	Stucchi	651/652	16A; 400 V	EN-61984	IMQ
Terminal block	B	Stucchi	661/662	6A; 400 V	EN-61984	IMQ
Connector	B	BJB	47.121.-303.93, 47.121.-305.80, 47.121.-702.14, 47.121.-705.84, 47.121.U301.80, 47.121.U303.80, 47.121.U304.80, 47.921.-801.68, 47.921.-802.68, 47.921.U801.81	2A, 24V DC, ta= -40°C to 100°C	EN 61984:2009, UL773	CE, VDE 40049575
Connector	B	BJB	48.281	16A; 400 V	EN 60998-2-2	VDE
Connector	B	BJB	46.412	16A; 450 V	EN 60998-2-2	VDE
Connector	B	BJB	46.413	16A; 450 V	EN 60998-2-2	VDE
Connector	B	BJB	46.414	16A; 450 V	EN 60998-2-2	VDE
Connector	B	BJB	46.415	16A; 450 V	EN 60998-2-2	VDE
Connector	B	BJB	46.455	16A; 450 V	EN 60998-2-2	VDE
Connector	B	WAGO	224-101	24A; 400 V	EN 60998-2-2	VDE

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Connector	B	WAGO	224-112	24A; 400 V	EN 60998-2-2	VDE	
Connector	B	TE Connectivity	2834049 2834048 2834055 2834054	9A; 600 V	EN 61984	TUV MK 69257670 0001	
Terminal block	B	Wieland	GST 18I4S	20A; 400 V	EN 61535	VDE	
Terminal block	B	Wieland	GST 15I2	16A; 250 V	EN 61535	VDE	
Terminal block	B	Wieland	96.051.4153.6	20A; 250 V	EN 61535	VDE, UL	
Terminal block	B	Wieland	96.031.4053.1	20A; 250 V	EN 61535	VDE, UL	
Connector	B	EMC Colosio	M26B	17A; 300 V	EN 60598-1	IMQ	
Knife switch (connector)	B	Longran	M29 M29 mini	16A; 450 V 16A; 250 V	EN 61984 EN 60998-2-1 EN 60998-1	TUV	
Connector	B	LONGJOIN	JL-700	1.5A, 30V	EN 61984	DEKRA	
Connector	B	Tyco Electronics Corp.	2213795, 2213831, 2213837, 2213858, 2328823, 2328118, 2329013	30V AC/DC 50/60Hz, 1.5A	EN 61984	CB certificate, UL EU, IEC	
Connector Złącze	B	Tyco Electronics Corp.	1-2213871-1, 1-2213871-2, 2213871-1, 2213871-2, 2213899-4, X-2213362-X, X-2213627-X	t= -40...+800C, tc max=800C 150/240/300VAC, 50/60Hz, 15/7.5/6 A, Signal Contacts: 30VDC, 1.5A	EN 61984	CB certificate, UL EU, IEC	
Connector	B	LUG	iBlock	230V, 50Hz, Ta =-40°C do 70°C	EN61347-2-11	Tested and accepted by ITE PREDOM Division TR No. Z7-2/016/B/20	
Luminaire protection	B	Vossloh schwabe	SP / 230 / 10K	220-240V, 50/60Hz, Ta = -30°C do 80°C	EN 60598-2-3 EN 61643-11	VDE	
Luminaire protection	B	Vossloh schwabe	SP 3 / 230 / 10K	100-277V, 50/60Hz, Ta = -30°C do 80°C	EN 60598-2-3 EN 61643-11	DEKRA	
Luminaire protection	B	Vossloh schwabe	SPC 3 / 230 / 10K / i	100-277V, 50/60Hz, Ta = -35°C do 80°C	EN 60598-2-3 EN 61643-11	DEKRA	
Luminaire protection	B	Vossloh schwabe	SPC 3 / 230 / 10K / i-IP66	100-277V, 50/60Hz, Ta = -35°C do 80°C	EN 60598-2-3 EN 61643-11	DEKRA	
Luminaire protection	B	Vossloh schwabe	SPC 230 / 10K / i	100-277V, 50/60Hz, Ta = -35°C do 80°C	EN 61643-11	DEKRA	
Luminaire protection	B	Tridonic	SPD 10kV CE SNC	100-277V, 50/60Hz, Ta = -40°C do 80°C	EN 61643-11	KEMA KEUR	
Luminaire protection	B	Inventronics	PU-20KX10KTX	320Vac, 8A, 47-63Hz, Ta = -40°C do 85°C	EN 61643-11, EN 61643-21	CE, VDE	
Luminaire protection	B	Inventronics	PU-20Kx10KBx	320Vac, 15A, 47-63Hz, Ta = -40°C do 85°C	EN 61643-11, EN 61643-21	CE, VDE	
Luminaire protection	B	Inventronics	PU-10Kx05KBx	320Vac, 8A, 47-63Hz, Ta = -40°C do 85°C	EN 61643-11, EN 61643-21	CE, VDE	
Luminaire protection	B	Linoya Electronic Technology	LYSPD10D	300Vac, 50Hz, IP67	EN 61643- 11:2012+A11	TUV	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Luminaire protection	B	ESB	ESB-6K	220-240V, 50/60Hz, Ta = -30°C do 80°C	EN 61643-11	VDE	
Connector	B	LONGJOIN Nema	JL-240	t= -40...+70°C, 480VAC, 50/60Hz, Signal Contacts: 30VDC, 0,25A	EN 61984	DEKRA	
Connector	B	LONGJOIN Nema	JL-208	t= -40...+70°C, 480VAC, 50/60Hz, Signal Contacts: 30VDC, 0,25A	EN 61984	CB	
Connector	B	Ojun Zhaga	OJ-M716, OJ-M718	t= -40...+70°C, 500V, 50/60Hz, 30VDC, 1,5A	EN 61984	DEKRA, CB, Kema Keur, UKCA	
Connector	B	Optimum	OPT801, OPT805, OPT806	t= -40...+70°C, IP66, 50/60Hz, 60VDC, 1,5A	EN 61984	DEKRA, CB, Kema Keur, UKCA	
Fuse holder	B	Mersen	CCR101N	400-500 VAC, 25-32 A	IEC60947-3 IEC60269-2 IEC60269-3 + NF	NF	
Fixed resistor	B	Uniroyal Electronics	MGR series	100k Ohm to 100 MOhm (+- 5%), 2W, 2,5kV	EN IEC 62368-1	VDE	
Luminaire protection	B	RuiLongYuan	TP10D	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	Greenway	GSPD 1	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	ETL / UL / TUV	
Luminaire protection	B	Greenway	GSPD 3	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	ETL / UL / TUV	
Luminaire protection	B	LINOYA	LYSPD10A	300Vac, 50Hz, IP67	EN 61643-11:2012+A11	UL	
Luminaire protection	B	ZP Lightning	ZP-LSP10-PL	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	UL	
Luminaire protection	B	ZP Lightning	ZP-LED-P10D	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	ZP Lightning	ZP-LED-S10D	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	ZP Lightning	ZP-LSP10-PR	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	ZP Lightning	ZP-LSP10-PY/II	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	ZP Lightning	ZP-LSP10-SR	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	ZP Lightning	ZP-LSP10-SY/II	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	Zhongyuan Technology	ZYS-P10WD, ZYS-P20WD	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	

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ANNEX 1		TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer / trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Luminaire protection	B	Zhongyuan Technology	ZYS-P10SD, ZYS-P20SD, ZYS-P10SD/II, ZYS-P20SD/II	100-277V, 50/60Hz, Ta = -40°C do 85°C	EN 61643-11 IEC 61643-11	TUV	
Luminaire protection	B	Philips	929003882006, 929003882106	220-240V, 50/60Hz, Ta = -40°C do 70°C	EN 61643-11 IEC 61643-11	TUV	
Supplementary information: ¹⁾ Provided evidence ensures the agreed level of compliance. See OD-CB2039. 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							