



Łukasiewicz- IMiF PREDOM
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LICENCE

CERTIFICATE/CERTYFIKAT

to use the European Mark

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LUG Light Factory Sp. z o.o.

ul. Gorzowska 11, 65-127 Zielona Góra, Polska / Poland

For the products: Dla wyrobów:

Luminaires for road and street lighting Oprawy oświetleniowe drogowe i uliczne

Manufacturing place: Miejsce Produkcji

LUG Light Factory Sp. z o.o.

ul. Gorzowska 11, 65-127 Zielona Góra, Polska / Poland

Trade name: Znak towarowy:



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

URBINO LED S family

Technical data/ Dane Techniczne: 220 - 240V, 50/60Hz, IP66, IK10, cl. II – details in the Appendix/Szczegóły w Załączniku

Complying with the following European Standards: Zgodnymi z następującymi normami europejskimi

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

EN 60598-1:2015; EN 60598-1:2015/A1:2018, EN 62262:2002

(the test reports/ raporty z badań: B10-3/094/B/22 + Att.(EU GD and ND ref No. B10-3/094/B/1/22) dated 08-07-2022; B10-3/096/B/22 dated 08-07-2022 performed by the Testing Laboratory Łukasiewicz-IMiF PREDOM Division (Accreditation PCA AB 003).

Date:Data 15-07-2022

Signatures:

Name:

Józef Foks

Filip Walczak

Position:

Certification Office
Łukasiewicz- IMiF PREDOM

Leader of the Łukasiewicz- IMiF
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Additional information – see the Appendix.

Dodatkowe informacje – patrz Załącznik.

Name and address of the license holder:	LUG Light Factory Sp. z o.o. ul. Gorzowska 11, 65-127 Zielona Góra - Poland	
Address of the factory:	LUG Light Factory Sp. z o.o. ul. Gorzowska 11, 65-127 Zielona Góra - Poland	
Name of product:	URBINO LED S	
Trade mark :	LUG	
Technical data:		
Rated voltage	220-240V	
Rated frequency:	50/60Hz	
Max Power	74W	
Protection against electric shock:	Class II	
Degree of protection:	IP66; IK10	
ta	4,5W - 36W	Ta= -40°C / -35°C* / -30°C** ... +55°C
	37W - 51W	Ta= -40°C / -35°C* / -30°C**/-25°*** ... +50°C
	52W - 74W	Ta= -40°C / -35°C* / -30°C**/-25°*** ... +40°C

* - For luminaires equipped with:

- Vossloh Schwabe SP/230/10K/i

** - For luminaires equipped with:

- SPD Vossloh Schwabe SP/230/10K
- Xi FP 110W 0.3-0.1A NLP C150 230V
- Tridonic LCA 120W 300-1050mA

*** - For luminaires equipped with:

- LACROIX DL-PAK 70

Choice sheet of the luminaires URBINO LED S family cl II – series:

Example of symbol:

130772.7LR7B40S895.201.N.P

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	13077 13078	-	Code of the series URBINO LED S - XPG3 SERIES Code of the series URBINO LED S - LUXEON SERIES
2	2	-	Color: 2: grey 5: graphite 0: another
3	7L	-	Type of power supply: 2L - DIMM 1-10V 3L - DALI 5L - on-off 6L - on-off / DALI 7L - ZHAGA D4i PL - programmable
4	R7	-	CRI: R7 = 70-79 R8 = 80-89
5	B40	-	Color temperature: B22 = 2200 B27 = 2700 B30 = 3000 B40 = 4000 B57 = 5700 B65 = 6500
6	S895	-	Max. luminous flux (e.g. S895 = 8950lm)

APPENDIX TO THE LICENCE/CERTIFICATE No. **0288/ENEC/22**

7	2	-	Safety Class II
8	01	-	Optic:01 O1 - for road lighting type O1 02 O2 - for road lighting type O2 99 O99 - for road lighting type O99
9	N.P	-	Additional equipment A - additional corrosion protection B - Tool-free access to the LED Driver U - ø76mm pole N - NEMA Socket Z - ZHAGA Socket T - NTC Sensor W - Twilight Sensor V - Surge Device Protector 10kV P- Anti pressure vent I- iBloc ("URBAN" smart city system) K- Knife switch connector

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

Control gear's	P [W]	U min [V]	U compatible [V]	I compatible [mA]	Module's*
Osram OT 165/170-240/1A0 4DIMLT2 E	165	90	285	1050	Choice sheet of the URBINO LED S series modules:
Osram OT 60/170-240/1A0 4DIMLT2 E	60	30	115	1050	
OT180W/UNV/800C/2DIMLT2/P6	180	82	280	800	Example of symbol:
OT100W/UNV/800C/2DIMLT2/P6	100	50	185	800	
OT 110/170...240/1A0 1DIMLT2 G1 CE	110	80	220	1050	ML21XXXYY.WQQQ.UUV
OT 20/170-240/1A0 1DIM LT2 G1 CE	22	10	38	1050	
OT 75/170...240/1A0 1DIMLT2 G1 CE	75	35	115	1050	1 2 3 4 5 6 7 8
Philips Xi LP 150W 0.3-1.0A S1 230V S240 sXt	150	70	214	1050	
Tridonic LCA 120W 300-1050mA 1-10V ADV	120	40	114	1050	Designations used on the marking of LED boards:
Tridonic LCA 75W 250-750mA one4all C	75	45	130	750	
Tridonic LCA 120W 350-1050mA o	120	105	320	1050	1. ML - PCB designation (ML – LED module):
Tridonic LCA 160W 350-1050mA o	160	105	320	1050	
OT DX 40/220...240/1A0 DIMA LT2 E	40	15	56	1050	2. 21 - Year of the project:
OT DX 75/220...240/1A0 DIMA LT2 E	75	35	115	1050	
OT DX 110/220...240/1A0 DIMA LT2 E	110	75	220	1050	3. XXX - Number of the project: Luxeon modules: 660, 661, 663, 670, 671, 672, 673, 680, 681, 682, 683, 690, 691, 692, 693 Cree modules: 600, 601, 610, 611
OT 20/170...240/1A0 4DIMLT2 G2 CE	20	10	38	1050	
OT 40/170...240/1A0 4DIMLT2 G2 CE	40	15	56	1050	4. YY - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99
OT 75/170...240/1A0 4DIMLT2 G2 CE	75	35	115	1050	
OT 110/170...240/1A0 4DIMLT2 G2 CE	110	80	220	1050	5. W - Light color: W: White
OT 20/170...240/1A0 1DIMLT2 G1 CE	20	10	38	1050	
OT 40/170...240/1A0 4DIMLT2 G2 CE	40	15	56	1050	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
OT 50/120...277/800 2DIMLT2 P	50	30	115	800	
OT 50/120...277/1A2 2DIMLT2 P	50	20	55	1250	7. UU - Assembly variant (selected components not mounted): 01...99
OT 100/120...277/800 2DIMLT2 P	100	50	186	800	
OT 110/120...277/1A4 2DIMLT2 P	110	35	85	1400	8. V - NTC Thermistor type: A - none B - 10K C - 47K
OT 60/220...240/1A4 1DIMA P7	60	43	86	1400	
OT 100/220...240/1A4 1DIMA P7	100	72	144	1400	
OT 150/220...240/1A4 1DIMA P7	150	91	350	1400	
Xitanium 40W 0.7A Prog+ GL-J sXt	40	29	57	700	
Xitanium 75W 0.35-0.70A GL Prog+ sXt	75	80	152	700	
Xitanium 75W 0.1-1.05A Prog GL F sXt	75	36	75	1050	
Xitanium 100W 0.7A Prog+ GL-Z sXt	100	71	143	700	
Xitanium 150W 0.1-1.05A Prog+ GL F sXt	150	70	148	1050	
Xitanium 300W 1.5A Prog+ GL-R sXt	300	80	280	1050	
Xi BP 12W 0.1-0.5A S 230V C100	12	13	39	500	
Xi BP 22W 0.2-0.7A S 230V C123	22	16	48	700	
Xi BP 40W 0.2-0.7A S 230V C123	40	25	77	700	
Xi BP 40W 0.3-1.0A S 230V C123	40	20	54	1000	
Xi LP 22W 0.2-0.7A S1 230V C123 sXt	22	16	48	700	
Xi LP 22W 0.3-1.0A S1 230V C123 sXt	22	8	32	1000	
Xi LP 40W 0.2-0.7A S1 230V C123 sXt	40	25	77	700	
Xi LP 40W 0.3-1.0A S1 230V C123 sXt	40	20	54	1000	
Xi LP 75W 0.2-0.7A S1 230V C133 sXt	75	50	150	700	
Xi LP 75W 0.3-1.0A S1 230V C133 sXt	75	35	108	1000	
Xi LP 75W 0.5-1.5A S1 230V C133 sXt	75	25	75	1500	
Xi LP 110W 0.2-0.7A S1 230V C133 sXt	110	70	220	700	
Xi LP 110W 0.3-1.0A S1 230V C133 sXt	110	50	160	1000	
Xi LP 165W 0.2-0.7A S1 230V C170 sXt	165	100	300	700	
Xi LP 165W 0.3-1.0A S1 230V C170 sXt	165	80	235	1000	
Xi LP 165W 0.5-1.5A S1 230V C170 sXt	165	54	157	1500	
Xi LP 22W 0.2-0.7A S1 230V S175 sXt	22	16	48	700	

Control gear's	P [W]	U min [V]	U compatible [V]	I compatible [mA]	Module's*
Xi LP 22W 0.3-1.0A S1 230V S175 sXt	22	8	32	1000	
Xi LP 40W 0.2-0.7A S1 230V S175 sXt	40	23	77	700	
Xi LP 40W 0.2-0.7A SL 230V S175 sXt	40	25	77	700	
Xi LP 40W 0.3-1.0A S1 230V S175 sXt	40	20	54	1000	
Xi LP 40W 0.3-1.0A SL 230V S175 sXt	40	20	54	1000	
Xi LP 40W 0.2-0.7A SN 230V S175 sXt	40	25	77	700	
Xi LP 75W 0.2-0.7A S1 230V S240 sXt	75	50	150	700	
Xi LP 75W 0.2-0.7A SL 230V S240 sXt	75	50	150	700	
Xi LP 75W 0.3-1.0A S1 230V S240 sXt	75	35	108	1000	
Xi LP 75W 0.3-1.0A SL 230V S240 sXt	75	35	108	1000	
Xi LP 75W 0.2-0.7A SN 230V S240 sXt	75	50	150	700	
Xi LP 75W 0.5-1.5A S1 230V S240 sXt	75	25	75	1500	
Xi LP 150W 0.2-0.7A S1 230V S240 sXt	150	90	283	700	
Xi LP 150W 0.2-0.7A SL 230V S240 sXt	150	90	283	700	
Xi LP 150W 0.3-1.0A SL 230V S240 sXt	150	70	214	1000	
Xi LP 150W 0.5-1.5A S1 230V S240 sXt	150	50	142	1500	
Xi LP 150W 0.2-0.7A SN 230V S240 sXt	150	90	283	700	
Xi FP 22W 0.2-0.7A SNLDAE 230V C123 sXt	22	16	48	700	
Xi FP 22W 0.3-1.0A SNLDAE 230V C123 sXt	22	8	32	1000	
Xi FP 40W 0.2-0.7A SNLDAE 230V C123 sXt	40	25	77	700	
Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	40	20	54	1000	
Xi FP 70W 0.3-1.0A NLD C150 230V sXt	70	30	100	1000	
Xi FP 75W 0.2-0.7A SNLDAE 230V C133 sXt	75	50	150	700	
Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	75	35	108	1000	
Xi FP 75W 0.5-1.5A SNLDAE 230V C133 sXt	75	25	71	1500	
Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt	100	50	150	700	
Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt	110	70	220	700	
Xi FP 110W 0.3-1.0A NLD C150 230V sXt	110	60	200	1000	
Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	110	50	160	1000	
Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	165	80	235	1000	
Xi FP 165W 0.2-0.7A SNLDAE 230V C170 sXt	165	100	300	700	
Xi FP 330W 0.2-0.75A SNDAE 230V C240 sXt	330	100	300	750	
Xi FP 22W 0.2-0.7A SNLDAE 230V S175 sXt	22	16	48	700	
Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt	22	8	32	1000	
Xi FP 40W 0.2-0.7A SNLDAE 230V S175 sXt	40	25	77	700	
Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt	40	20	54	1000	
Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt	75	50	150	700	
Xi FP 75W 0.3-1.0A SNLDAE 230V S240 sXt	75	35	108	1000	
Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt	150	90	283	700	
Xi FP 150W 0.3-1.0A SNLDAE 230V S240 sXt	150	70	214	1000	
Xi SR 12W 0.2-0.7A SNEMP 230V C133 sXt	12	8	32	700	
Xi SR 22W 0.2-0.7A SNEMP 230V C133 sXt	22	16	48	700	
Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt	40	25	77	700	
Xi SR 75W 0.2-0.7A SNEMP 230V C150 sXt	75	50	150	700	
Xi SR 75W 0.2-0.7A SNEMP 230V S240 sXt	75	50	150	700	
Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt	110	70	220	700	
Xi SR 150W 0.2-0.7A SNEMP 230V S240 sXt	150	90	283	700	
Xitanium 100W 2.1-4.2A AOC 230V I220	100	12	48	4200	
Xitanium 150W 2.5-4.9A AOC 230V I220	150	15	61	4900	
Xitanium 200W 2.8-5.6A AOC 230V I250	200	18	71	5600	
Xi LP 100W 0.3-1.05A S1 230V I175	100	46	143	1000	
Xi LP 150W 0.3-1.05A S1 230V I175	150	72	214	1000	
Xi LP 220W 0.3-1.05A S1 230V I230	220	104	314	1000	
Xi LP 220W 0.5-1.5A S1 230V I230	220	73	210	1500	
Xitanium Dim 35W 0.7A 1-10V TWE I175	35	18	50	700	
Xitanium Dim 100W 0.7A 1-10V TWE I220	100	71	143	700	
Xitanium Dim 150W 0.7A 1-10V TWE I220	150	90	214	700	
Xitanium 75W 0.7A TWE I175	75	40	117	700	
Xitanium 150W 0.7A TWE I220	150	90	214	700	
Xitanium 75W 1.05A 1-10V 230V C165 sXt	75	36	75	1000	
Xitanium 75W 0.70A 1-10V 230V C165 sXt	75	52	107	700	
Xitanium 150W 0.70A 1-10V 230V S240 sXt	150	100	214	700	
Xitanium 150W 1.05A 1-10V 230V S240 sXt	150	72	150	1000	
Xitanium Dim 75W 0.70A 1-10V 230V I220	75	52	107	700	
Xitanium Dim 150W 0.70A 1-10V 230V I220	150	90	214	700	
Xitanium 75W 1-10V 230V C165	75	52	107	700	
LCO 14/100-500/38 NF C ADV3	14	12	38	500	
LCO 24/200-1050/39 NF C ADV3	24	11	39	1050	
LCO 40/200-1050/64 NF C ADV3	40	18	64	1050	
LCO 60/200-1050/100 NF C ADV3	60	28	100	1050	
LCO 90/200-1050/165 NF C ADV3	90	46	165	1050	
LCO 135/200-1050/220 NF C ADV3	135	62	220	1050	
LCO 200/200-1050/355 NF C ADV3	200	100	355	1050	
LCO 14/100-500/38 o4a NF C EXC3	14	12	38	500	
LCO 24/200-1050/39 o4a NF C EXC3	24	11	39	1050	
LCO 40/200-1050/64 o4a NF C EXC3	40	18	64	1050	
LCO 60/200-1050/100 o4a NF C EXC3	60	28	100	1050	
LCO 90/200-1050/165 o4a NF C EXC3	90	46	165	1050	
LCO 135/200-1050/220 o4a NF C EXC3	135	62	220	1050	
LCO 200/200-1050/355 o4a NF C EXC3	200	100	355	1050	



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Control gear's	P [W]	U min [V]	U compatible [V]	I compatible [mA]	Module's*
LCO 100/1050/95 fixC L SNC2	100	29	95	1050	
LCO 100/1400/71 fixC L SNC2	100	21	71	1400	
LCO 100/500/200 fixC L SNC2	100	60	200	500	
LCO 100/700/143 fixC L SNC2	100	43	143	700	
LCO 150/1050/142 fixC L SNC2	150	43	142	1050	
LCO 150/1400/107 fixC L SNC2	150	32	107	1400	
LCO 150/500/300 fixC L SNC2	150	90	300	500	
LCO 150/700/214 fixC L SNC2	150	64	214	700	
LCO 200/1050/190 fixC L SNC2	200	63	190	1050	
LCO 200/1400/142 fixC L SNC2	200	47	142	1400	
LCO 200/700/285 fixC L SNC2	200	95	285	700	
LCO 75/1050/72 fixC L SNC2	75	22	72	1050	
LCO 75/1400/53 fixC L SNC2	75	16	53	1400	
LCO 75/500/150 fixC L SNC2	75	45	150	500	
LCO 75/700/108 fixC L SNC2	75	32	108	700	
LCO 135W 200-1050mA 220V pD+ NFC C PRE3	135	104	220	1050	
LCO 90W 200-1050mA 165V pD+ NFC C PRE3	90	78	165	1050	
OT 100/UNV/1A0 2DIM P7	100	75	150	1050	
OT 150/UNV/1A0 2DIM P7	150	107	214	1050	
OT 100/ 220-240/1A4 2DIM P7	100	61	144	1400	
OT 150/ 220-240/1A4 2DIM P7	150	91	214	1400	
EBS-040S105BT2	40	19	57	1050	
EUM-075S	75	18	54	2100	
EBS-080S105BT2	80	38	114	700	
EBS-040S070BT2	40	28	89	700	
EBS-080S070BT2	80	57	178	530	
EUM - 100S	100	17	143	2100	
EUM - 150S	150	18	214	3150	
EUM - 200S	200	18	286	4200	
EUM - 240S	240	18	453	4900	
IT DALI 20/220...240/1A0 E	20	1	60	1050	
IT DALI 40/220...240/1A0 E	40	1	60	1050	
IT DALI 75/220...240/1A0 E	75	1	120	1050	
IT DALI 110/220...240/1A0 E	110	1	200	1050	
IT DALI 150/220...240/1A0 E	150	1	310	1050	
DL-PAK 70	70	18	115	700	
EUCI-040105GLA	40	28	77	1050	
EUCI-075105GLA	75	54	110	1050	
EUCI-130105GLA	130	60	200	1050	
EUCI-170105GLA	170	80	340	1050	
OT 75 /220...240/1A0 1DIM G2 CE	75	1	150	1050	
EUCI-022105GLB	22	8	48	1050	
EUCI-040105GLB	40	20	77	1050	

* - Detailed data about the compatibility of control gear and led modules - see the Appendix No.1 - Summary LED modules - control gears - on CD

List of components:

ANNEX 1 TABLE: Critical components information						P
Object / part No.	Cod e	Manufactu rer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
LED Module	A	LUG	ML21XXXXYY.WQQQ.UUV (LUXEON 5050 modules) (choice sheet below)	Tc -40°C to +85°C	EN 62031	ENEC
<p>ML21XXXXYY.WQQQ.UUV</p> <p>1 2 3 4 5 6 7 8</p> <p>Designations used on the marking of LED boards:</p> <p>1. ML - PCB designation (ML – LED module);</p> <p>2. 21 - Year of the project;</p> <p>3. XXX - Number of the project; Luxeon modules: 660, 661, 663, 670, 671, 672, 673, 680, 681, 682, 683, 690, 691, 692, 693</p> <p>4. YY - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99</p> <p>5. W Light color: W: White</p> <p>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</p> <p>7. UU - Assembly variant (selected components not mounted): 01...99</p> <p>8. V - NTC Thermistor type: A - none B - 10K C - 47K</p>						
LED Module	B	LUG	ML21XXXXYY.WQQQ.UUV (CREE XPG3 modules) (choice sheet below)	Tc -40°C to +85°C	EN 62031	Tested and accepted by IMiF PREDOM Division TR No. B10-3/089/B/22
<p>ML21XXXXYY.WQQQ.UUV</p> <p>1 2 3 4 5 6 7 8</p> <p>Designations used on the marking of LED boards:</p> <p>1. ML - PCB designation (ML – LED module);</p> <p>2. 21 - Year of the project;</p> <p>3. XXX - Number of the project; Cree modules: 600, 601, 610, 611</p> <p>4. YY - Project variant (PCB design, milling, dimensions, soldermask color, laminate thickness, LED configuration): 00...99</p> <p>5. W Light color: W: White</p> <p>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</p> <p>7. UU - Assembly variant (selected components not mounted): 01...99</p> <p>8. V - NTC Thermistor type: A - none B - 10K C - 47K</p>						
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 60/170-240/1A0 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	OT180W/UNV/800C/2DIMLT 2/P6	220..240V, 50-60Hz, ta= -40...+55°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC

APPENDIX TO THE LICENCE/CERTIFICATE No. **0288/ENEC/22**

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	OSRAM	OT100W/UNV/800C/2DIMLT 2/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 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 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 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	Philips	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 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	Tridonic	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	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	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	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	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 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 20/170...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 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 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	

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Cod e	Manufactu rer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	OSRAM	OT 50/120...277/800 2DIMLT2 P	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 P	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 100/120...277/800 2DIMLT2 P	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 110/120...277/1A4 2DIMLT2 P	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 60/220...240/1A4 1DIMA 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 100/220...240/1A4 1DIMA 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 1DIMA P7	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 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	
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 300W 1.5A Prog+ GL-R 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 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	
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	

ANNEX 1 TABLE: Critical components information							P
Object / part No.	Cod e	Manufactu rer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
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 0.2-0.7A SL 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 SL 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	
Control gear	A	Philips	Xi LP 150W 0.2-0.7A SN 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 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	

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
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 330W 0.2-0.75A SNDAE 230V C240 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	
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 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 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	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	

APPENDIX TO THE LICENCE/CERTIFICATE No. **0288/ENEC/22**

ANNEX 1 TABLE: Critical components information						P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
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
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	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
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 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

ANNEX 1 TABLE: Critical components information							P
Object / part No.	Cod e	Manufactu rer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
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 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	
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 200/700/285 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 75/1050/72 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 135W 200-1050mA 220V 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 90W 200-1050mA 165V 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	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 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	Inventronics	EBS-040S105BT2	176..305V, 50-60Hz, ta= - 40...+75°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-080S070BT2	176..305V, 50-60Hz, ta= - 40...+75°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Inventronics	EBS-080S105BT2	176..305V, 50-60Hz, ta= - 40...+75°C, tc max=90°C	EN 61347-1 EN 61347-2-13	ENEC	

ANNEX 1 TABLE: Critical components information							P
Object / part No.	Cod e	Manufactu rer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Control gear	A	Inventronics	EBS-040S070BT2	176...305V, 50-60Hz, ta= -40...+75°C, tc max=90°C	EN 61347-1 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	Inventronics	EUM – 240S	100...277V, 50-60Hz, ta= -40...+75°C, tc max=90°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	EN 61347-1 EN 61347-2-13	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	ENEC	
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	ENEC	
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	ENEC	
Control gear	A	OSRAM	IT DALI 150/220...240/1A0 E	220...240, 50/60Hz, Ta = 40...+55 °C, Tc max =85 °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	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	
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	
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	
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	
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 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Delta	EUCI-022105GLB	220...240V, 50/60Hz, Ta =-40...+55 °C, Tc max =85 °C	EN 61347-1 EN 61347-2-13	ENEC	
Control gear	A	Delta	EUCI-040105GLB	198...264V, 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 mm ²	EN 50525	BBJ	
Internal wires	B	Mrowiec	H05V-K	500 V; 0,5 mm ²	EN 50525	BBJ	
Internal wires	B	E.M.C. Colosio	RD10-B	300/500 V; 0,5 mm ²	EN 50525	IMQ	
Silicon Fiberglass Insulating Sleeving	B	Isolcavi	GVES 1500	min. 1500 Volt, Temp - 60...+250°C	IEC 60684-3-400 IEC 60684-3-402	UL	
Terminal block	B	Stucchi	651/652	16A; 400 V	EN-61984	IMQ	

ANNEX 1 TABLE: Critical components information						P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Terminal block	B	Stucchi	661/662	6A; 400 V	EN-61984	IMQ
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
Connector	B	WAGO	224-112	24A; 400 V	EN 60998-2-2	VDE
Terminal block	B	Wieland	GST1814S	20A; 400 V	EN 61535	VDE
Terminal block	B	Wieland	GST 15I2	16A; 250 V	EN 61535	VDE
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	LONGJOING	JL-700	1.5A, 30V	EN 61984	DEKRA
Connector system	B	Tyco Electronics Corp.	2213795, 2213831, 2213837, 2213858, 2328823, 2329013	30V AC/DC 50/60Hz, 1.5A	EN 61984	UL
Connector system	B	Tyco Electronics Corp.	1-2213871-1, 1-2213871-2, 2213871-1, 2213871-2, X-2213362-X, X-2213627-X	t= -40...+80°C, tc max=80°C 150/240/300VAC, 50/60Hz, 15/7.5/6 A, Signal Contacts: 30VDC, 1.5A	EN 61984	UL
Connector system	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
Connector system	B	LONGJOING Nema	JL-240XA	t= -40...+70°C, 480VAC, 50/60Hz, Signal Contacts: 30VDC, 0,25A	EN 61984	DEKRA
Luminaire protection	B	Vossloh schwabe	SP / 230 / 10K	220-240V, 50/60Hz, Ta = -30°C do 80°C	EN 61643-11	VDE
Luminaire protection	B	Inventronics	PU-20KX10KTXX	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	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

Certification Body: **Łukasiewicz- IMiF PREDOM Division**

Signed:  Józef Foks


Certification Office
Łukasiewicz- IMiF PREDOM

 Filip Walczak

Leader of the Łukasiewicz- IMiF
PREDOM Division

Place: **WARSAW**

Date: **15-07-2022**