



Łukasiewicz – IMiF

PREDOM Division

Krakowiaków 53, 02-255 WARSAW

POLAND

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

LICENCE / CERTIFICATE

to use the ENEC+ Mark

LICENCJA / CERTYFIKAT

na używanie ZNAKU ENEC+



Licence / Certificate No.

Licencja / Certyfikat Nr

155/ENEC+/25

Under the conditions given in the following pages of this document, the licence to use the ENEC+ Mark in conjunction with the suffix 30, as shown above, has been issued to:

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

Name and address of the Certificate owner:

Nazwa i adres posiadacza certyfikatu:

F.P.H. Art-Metal Sp.J.

83-331 Łapino Kartuskie, ul. Jabłoniowa 124, Poland

For the products:

Dla wyrobów:

Luminaires for road and street lighting

Oprawy oświetleniowe drogowe i uliczne

Trade name:

Znak towarowy:



Art Metal – family cl. II

(details in the Appendix / Szczegóły w Załączniku)

Type(s)/Model(s):

Typ(y), model(e):

Complying with the following European

Standards:

Zgodnymi z następującymi normami europejskimi:

EPRS 003:2018-05 based on/ opartym na
EN 62722-2-1:2016

Test report(s):

Raporty z badań:

Ref. No: B5-3/133/B/2/25 dated 17.07.2025 performed by the
Testing Laboratory Łukasiewicz-IMiF PREDOM Division
(Accreditation PCA AB 003)

This ENEC+ License / Certificate is valid only in conjunction with ENEC Licence / Certificate No.:

Niniejsza Licencja / Certyfikat ENEC+ jest ważna tylko w połączeniu z Licencją / Certyfikatem ENEC Nr:

0437/ENEC/25 dated / z dnia 2025-07-16

Issued by / wydany przez: Ł-IMiF PREDOM Division

Date: 2025-07-18

Data:

Manager of Certification Office:

Kierownik Biura Certyfikacji:

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification. The ENEC+ mark may be applied to the products as specified in this licence for the duration of the Licence.

Niniejsza licencja została wydana zgodnie z założeniem i pod warunkiem, że licencjodawca posiada wszelkie niezbędne prawa w odniesieniu do wyrobu przedstawionego do badań i certyfikacji. Znak ENEC+ może być stosowany na wyrobach wymienionych w niniejszej licencji przez okres obowiązywania Umowy licencyjnej.

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

APPENDIX TO THE LICENCE No. 0155/ENEC+/25

page 1

Name and address of the license holder:	F.P.H. Art-Metal Sp.J. 83-331 Łapino Kartuskie, ul. Jabłoniowa 124, Poland
Name and address of manufacturer:	F.P.H. Art-Metal Sp.J. 83-331 Łapino Kartuskie, ul. Jabłoniowa 124, Poland
Name and address of manufacturing place:	F.P.H. Art-Metal Sp.J. 83-331 Łapino Kartuskie, ul. Jabłoniowa 124, Poland
Name of product:	Art Metal – family cl. II
Trade mark :	
Technical data:	
Rated voltage	220-240V
Rated frequency:	50/60Hz
Protection against electric shock:	Class II
Degree of protection:	IP66, IK 10
ta:	ta=40°C
Input Power (W):	01 VERA – series – from 25W to 97W 02 LUNA – series – from 25W to 97W 03 LIBRA – series – from 25W to 97W 04 ARIES – series – from 25W to 97W 06 ANDROMEDA – series – from 25W to 97W 10 OPAL – series – from 25W to 61W 15 NEPTUN – series – from 25W to 61W 18 JOWISZ – series – from 25W to 61W 19 LUMINA – series – from 25W to 61W 21 LEDA – series – from 25W to 61W 22 SATURN – series – from 25W to 97W 23 ANTARES – series – from 25W to 97W 24 NEXUS – series – from 25W to 61W 25 MEGALIA – series – from 25W to 61W 29 TECHNO – series – from 25W to 97W 33 VICTORIA – series – from 25W to 97W 34 ROZALIA – series – from 25W to 61W 37 JUPITER – series – from 25W to 61W 42 FIONA – series – from 25W to 61W 46 KUNGSLYKTA – series – from 25W to 61W 47 ARIES-V – series – from 25W to 97W
Luminous Flux (lm):	01 VERA – series – from 2641lm to 16584lm 02 LUNA – series – from 2641lm to 16584lm 03 LIBRA – series – from 2641lm to 16584lm 04 ARIES – series – from 2641lm to 16584lm 06 ANDROMEDA – series – from 2641lm to 16584lm 10 OPAL – series – from 2641lm to 10455lm 15 NEPTUN – series – from 2641lm to 10455lm 18 JOWISZ – series – from 2641lm to 10455lm 19 LUMINA – series – from 2641lm to 10455lm 21 LEDA – series – from 2641lm to 10455lm 22 SATURN – series – from 2641lm to 16584lm 23 ANTARES – series – from 2641lm to 16584lm 24 NEXUS – series – from 2641lm to 10455lm 25 MEGALIA – series – from 2641lm to 10455lm 29 TECHNO – series – from 2641lm to 16584lm 33 VICTORIA – series – from 2641lm to 16584lm 34 ROZALIA – series – from 2641lm to 10455lm 37 JUPITER – series – from 2641lm to 10455lm 42 FIONA – series – from 2641lm to 16584lm 46 KUNGSLYKTA – series – from 2641lm to 10455lm 47 ARIES-V – series – from 2641lm to 16584lm
Colour temperature (CCT):	2200K 2700K 3000K 4000K
Colour rendering index (CRI):	CRI>80 CRI>70
Efficacy (lm/W):	01 VERA – series – from 106lm/W to 173lm/W 02 LUNA – series – from 106lm/W to 173lm/W 03 LIBRA – series – from 106lm/W to 173lm/W 04 ARIES – series – from 106lm/W to 173lm/W 06 ANDROMEDA – series – from 106lm/W to 173lm/W 10 OPAL – series – from 106lm/W to 170lm/W 15 NEPTUN – series – from 106lm/W to 170lm/W 18 JOWISZ – series – from 106lm/W to 170lm/W 19 LUMINA – series – from 106lm/W to 170lm/W

APPENDIX TO THE LICENCE No. 0155/ENEC+/25
page 2

	21 LEDA – series – from 106lm/W to 170lm/W 22 SATURN – series – from 106lm/W to 173lm/W 23 ANTARES – series – from 106lm/W to 173lm/W 24 NEXUS – series – from 106lm/W to 170lm/W 25 MEGALIA – series – from 106lm/W to 170lm/W 29 TECHNO – series – from 106lm/W to 173lm/W 33 VICTORIA – series – from 106lm/W to 173lm/W 34 ROZALIA – series – from 106lm/W to 170lm/W 37 JUPITER – series – from 106lm/W to 170lm/W 42 FIONA – series – from 106lm/W to 173lm/W 46 KUNGSLYKTA – series – from 106lm/W to 170lm/W 47 ARIES-V – series – from 106lm/W to 173lm/W
Lamp Type/Rating:	Fortimo FastFlex 2x6/730 DA UHE Fortimo FastFlex 2x6/740 DA UHE Fortimo FastFlex 2x6/722 DA HE Fortimo FastFlex 2x6/727 DA HE Fortimo FastFlex 2x6/730 DA HE Fortimo FastFlex 2x6/740 DA HE Fortimo FastFlex 2x6/750 DA HE Fortimo FastFlex 2x6/840 DA HE Fortimo FastFlex 2x6/722 DA G5 Fortimo FastFlex 2x6/727 DA G5 Fortimo FastFlex 2x6/730 DA G5 Fortimo FastFlex 2x6/740 DA G5 Fortimo FastFlex 2x6/827 DA G5 Fortimo FastFlex 2x6/830 DA G5 Fortimo FastFlex 2x6/840 DA G5
Luminaire (Type A, B, C):	Type A - Luminaires using LED modules where compliance with EN 62717 has been proven
Ambient Temperature Rating (tq):	25°C
Temperature Rating (ta):	40°C

Choice sheet of the luminaires Art Metal – family cl. II:
Marking example:

04	A	L2	25W	840	VSM	P	3267lm	300mA
1	2	3	4	5	6	7	8	9

1. The Number of the Luminary = The Name of the Luminary. (Each luminary corresponds with the number for its identification.)

01	VERA	23	ANTARES
02	LUNA	24	NEXUS
03	LIBRA	25	MEGALIA
04	ARIES	29	TECHNO
06	ANDROMEDA	33	VICTORIA
10	OPAL	34	ROZALIA
15	NEPTUN	37	JUPITER
18	JOWISZ	42	FIONA
19	LUMINA	46	KUNGSLYKTA
22	SATURN	47	ARIES-V

2. Mounting version of the luminary: **A, B, C, D, E, F, G, H, V** or “space” if is only one version-see catalogue cards of luminaire mounting.

3. Type of light element:

L1	12xLED
-----------	--------



Łukasiewicz – IMiF
PREDOM Division
 Krakowiaków 53, 02-255 WARSAW
 POLAND

APPENDIX TO THE LICENCE No. 0155/ENEC+/25

page 3

L2	24xLED
L3	36xLED

4. Power: **25W – 97W**

5. Light colour code:

722	light colour 2200K	CRI 70
727	light colour 2700K	CRI 70
730	light colour 3000K	CRI 70
740	light colour 4000K	CRI 70
822	light colour 2200K	CRI 80
827	light colour 2700K	CRI 80
830	light colour 3000K	CRI 80
840	light colour 4000K	CRI 80

6. Type of lens: **ME, VSM, T2, T4, T3, XW, DWC-PC, PX, PXL, DWC2, GT** for Philips LED modules.

7. Type of Switching Power Supplies:

P	Programmable
SR	Sensor ready – (applicable with Zhaga connection).
S	Standard
D	Dimmable (0-10V)

8. Luminous flux: **2641 - 16584lm**

9. Current on Switching Power Supplies output: **300 - 950mA**

APPENDIX TO THE LICENCE No. 0155/ENEC+/25

page 4

List of components:

Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/730 DA UHE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/740 DA UHE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/722 DA HE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/727 DA HE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/730 DA HE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/740 DA HE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/750 DA HE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/840 DA HE	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/722 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/727 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/730 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/740 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/757 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/827 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/830 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
LED module	A	Philips Lighting Holding B.V.	Fortimo FastFlex 2x6/840 DA G5	If max=1,5A Tj max=95°C	EN 62031	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi FP 40W 0.3-1.0A SNLDAE 230V C133 sXt	Pn =40W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt	Pn =40W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi LP 40W 0.3-0.7A S1 230V C123 sXt	Pn =40W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi LP 75W 0.3-1.0A S1 230V C133 sXt	Pn =75W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi LP 110W 0.3-1.0A S1 230V C133 sXt	Pn =110W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	Pn =75W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting	Xi SR 40W 0.2-1.0A SNEMP 230V C123 sXt	Pn =40W Iout=1000mA Un = 220-240V AC	EN 61347-2-13	ENEC

APPENDIX TO THE LICENCE No. 0155/ENEC+/25**page 5**

		Holding B.V.		Tc =80°C		
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi SR 75W 0.2-1.0A SNEMP 230V C150 sXt	Pn =75W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi SR 110W 0.2-1.0A SNEMP 230V C150 sXt	Pn =110W Iout=1000mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Philips Lighting Holding B.V.	Xi FP 75W 0.3-1.5A SNLDAE 230V C133 sXt	Pn =75W Iout=1500mA Un = 220-240V AC Tc =80°C	EN 61347-2-13	ENEC
Switching Power Supplies	A	Inventronics	EBS-080S150BT2	Pn =80W Iout=1500mA Un = 220-240V AC Tc =75°C	EN 61347-2-13	ENEC
Connector System (ZHAGA)	B	ETE Connectivity	2213858-1	Un =250V In =5A	EN 61984	UL
Dali 1-10V Converter	A	Lunatone Industrielle Elektronik GmbH	DALI 0-10 PWM	In=3,1mA Uout= 0-10V DC Tc =45°C	EN 55015 EN 61347	ENEC
Screwless Connectors	S	Electro Terminal GmbH & Co KG	SLK-3	Un =450V In =24A Tc=110°C	EN 60988-2-2	ENEC
Screwless Connectors	B	Dongguan Longsan Plastic Standard Parts Manufacturing Co., Ltd.	M29-MINI	Un =250V In =16A Tc=110°C	EN 60988-2-2	TUV
Surge protecting device (SPD)	B	Philips Lighting Holding B.V.	Surge Protector Class-II	10kV 5kA Tmax 85C	EN61643-11	CE, CQC, UKCA, TÜV Rheinland
Surge protecting device (SPD)	B	Philips Lighting Holding B.V.	Surge 10kV Protector Class-II serial	10kV 5kA Tmax 85C	EN61643-11	CE, CQC, UKCA, TÜV Rheinland
Wires	B	Elektrokabel	YDY 3x1,5mm² 450/750V	Un =450/750V S=3x1,5 mm² Tc =70°C	EN 50525	BJB SEP
Wires	B	Elpar Sp. Z o.o.	YDY 3x1,5mm² 450/750V	Un =450/750V S=3x1,5 mm² Tc =70°C	EN 50525	BJB SEP
Wires	B	Tele-fonika Kable S.A.	YDY 3x1,5mm² 450/750V	Un =450/750V S=3x1,5 mm² Tc =70°C	EN 50525	BJB SEP
Wires	B	Elektrokabel	OMY 2x1mm² 300/500V (H03VV-F)	Un =300/500V S=2x1,0 mm² Tc =70°C	EN 50525	BJB SEP
Wires	B	Elektrokabel	LgY 1x2,5mm² (H07V-K)	Un =300/500V S=1x2,5 mm² Tc =70°C	EN 50525	BJB SEP
Wires	B	Elektrokabel	OMYp 2x0,75mm² 300/500V (H03VVH2-F)	Un =300/500V S=2x1,0 mm² Tc =70°C	EN 50525	BJB SEP
Wires	B	NKT S.A.	YDY 3x1,5mm² 450/750V	Un =450/750V S=3x1,5 mm² Tc =70°C	PN-E-90068 EN 50525	BJB SEP
Wires	B	ELPAR	H05RR-F	300/500V 2x0,75mm²	EN50525-2-31	EMAG

APPENDIX TO THE LICENCE No. 0155/ENEC+/25
page 6

Wires	B	Lapp kable	FlexiVolt- 2V, Flexivolt® 60.7027	1x0,5mm ² double insulation	EN 50525- 2-31	VDE
Wires	B	Elektrokabel	YDY 2x1,5mm ² 450/750V	Un =450/750V S=2x1,5 mm ² Tc =70°C	EN 50525	BJB SEP
Wires	B	Elpar Sp. Z o.o.	YDY 2x1,5mm ² 450/750V	Un =450/750V S=2x1,5 mm ² Tc =70°C	EN 50525	BJB SEP
Wires	B	NKT	YDY 2x1,5mm ² 450/750V	Un =450/750V S=2x1,5 mm ² Tc =70°C	EN 50525	BJB SEP

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

Date: *Data:* **2025-07-18**
Signature:

 Manager of Certification Office:
Kierownik Biura Certyfikacji: