



**Łukasiewicz- IMiF PREDOM
Division
53, Krakowiaków Str.**

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LICENCE

to use the ENEC+ Mark



Licence/Certificate No. / Licencja/ Certyfikat Nr 0042/ENEC+ /20/M2

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

LUG Light Factory Sp. z o.o.
ul. Gorzowska 11; 65-127 Zielona Góra, Poland

For the product: *Dla wyrobów:*

Luminaires for road and street lighting *Oprawy oświetleniowe drogowe i uliczne*

Trade name(s): *Znak towarowy:*



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

URBINO LED family cl. II – series (details and list of LED Modules covered by this licence/certificate)– see the Appendix/ *szczegóły oraz wykaz Modułów LED objętych niniejszą licencją/ certyfikatem – patrz Załącznik*

Complying with the following EPRS for performance: *Zgodnymi z następującym EPRS dot. cech funkcjonalnych*

EPRS 003:2018-05 based on/ *opartym na*

EN 62722-2-1: 2016 - see the test report / *patrz raport z badań*

Z7-2/097/B/2/20 dated/ *z dnia* 22.07.2020; Z7-2/097/B/2/20/M1 dated/ *z dnia* 15.12.2020; Z7-2/097/B/2/20/M2 dated/ *z dnia* 02-03-2021 performed by the Testing Laboratory Łukasiewicz-IMiF PREDOM Division (Accreditation PCA AB 003).

This ENEC+ Licence/Certificate is only valid in conjunction with: *Niniejsza Licencja/certyfikat ENEC+ jest ważna tylko w połączeniu z*

ENEC Licence/Certificate No.: *Licencją/ Certyfikatem ENEC Nr:*

0224/ENEC/20/M1 dated 15-12-2020 **issued by:** Łukasiewicz- IMiF PREDOM Division

Note: This licence/certificate has been issued because the following modifications: the configuration has been changed acc.to acceptable variation to the declared data of the manufacturer. *Uwaga: niniejsza licencja/certyfikat została wydana z powodu następujących modyfikacji: konfiguracja została zmieniona zg. z dopuszczalnymi wariacjami deklarowanych danych producenta. This licence/certificate replaces the licence/ certificate /Niniejsza licencja/certyfikat zastępuje licencję/certyfikat 0042/ENEC+ /20/M1 dated/ z dnia 16-12-2020*

Date: *Data* 02-03-2021

Signatures:

Name: Joanna Walczak-Ziótkowska

Aleksander Piotrowski

Position: Manager of Certification Office

Deputy Director
of Łukasiewicz- IMiF
PREDOM Division

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.


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.

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



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

APPENDIX TO THE LICENCE No. 0042/ENEC+ /20/M2 – page 1/4

Name and address of the license/ certificate holder:	LUG Light Factory Sp. z.o.o. ul. Gorzowska 11; 65-127 Zielona Góra, Poland
Name and address of manufacturer:	LUG Light Factory Sp. z.o.o. ul. Gorzowska 11; 65-127 Zielona Góra, Poland
Name and address of manufacturing place:	LUG Light Factory Sp. z.o.o. ul. Gorzowska 11; 65-127 Zielona Góra, Poland
Name of product:	Luminaires for road and street lighting
Type (model):	URBINO LED family cl. II – series (see below)
Trade mark:	
Technical data:	
rated voltage	220 - 240V
rated frequency	50 / 60Hz
protection against electric shock	class II
degree of protection	IP 66; IK09
ta	(-45°C / -30°C)* to 50°C * - depending on the control gear used
input Power (W):	URBINO LED family cl. II – series from 9W to 230W For details see the Appendix No.1 to the TR Z7-2/097/B/2/20/M2 dated 02.03.2021 – Lists of the luminaires – on CD
luminous Flux (lm):	URBINO LED family cl. II – series from 900lm to 36000lm For details see the Appendix No.1 to the TR Z7-2/097/B/2/20/M2 dated 02.03.2021 – Lists of the luminaires – on CD
colour temperature (CCT)	3000K 4000K 6500K
colour rendering index (CRI)..... :	CRI>70
efficacy (lm/W)	URBINO LED family cl. II – series from 100lm/W to 157lm/W For details see the Appendix No.1 to the TR Z7-2/097/B/2/20/M2 dated 02.03.2021 – Lists of the luminaires – on CD
lamp type/rating..... :	ML1401700.W740.03A ML1401700.W740.03B ML1401700.W740.03C ML1401701.W740.03A ML1401701.W740.03B ML1401701.W740.03C ML1302080.W740.03A ML1302080.W740.03B ML1302080.W740.03C ML1302090.W740.03A ML1302090.W740.03B ML1302090.W740.03C ML1924900.W730.01A ML1924900.W730.01B ML1924900.W730.01C ML1924900.W740.01A ML1924900.W740.01B ML1924900.W740.01C ML1924901.W730.01A ML1924901.W730.01B ML1924901.W730.01C ML1924901.W740.01A ML1924901.W740.01B ML1924901.W740.01C ML1924902.W730.01A ML1924902.W730.01B ML1924902.W730.01C ML1924902.W740.01A ML1924902.W740.01B ML1924902.W740.01C ML1500300.W740.02A ML1500300.W740.02B ML1500300.W740.02C ML1500301.W740.05A ML1500301.W740.05B ML1500301.W740.05C ML1500301.W765.04A ML1500301.W765.04B



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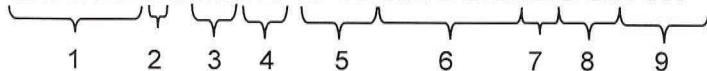
	ML1500301.W765.04C ML1500301.W740.04A ML1500301.W740.04B ML1500301.W740.04C ML1401010.W740.03A ML1401010.W740.03B ML1401010.W740.03C ML1500302.W740.03A ML1500302.W740.03B ML1500302.W740.03C ML1701400.W730.01A ML1701400.W730.01B ML1701400.W730.01C ML1701400.W740.01A ML1701400.W740.01B ML1701400.W740.01C ML1701401.W730.02A ML1701401.W730.02B ML1701401.W730.02C ML1701401.W740.02A ML1701401.W740.02B ML1701401.W740.02C ML1701401.W730.01A ML1701401.W730.01B ML1701401.W730.01C ML1701402.W730.01A ML1701402.W730.01B ML1701402.W730.01C ML1701403.W730.01A ML1701403.W730.01B ML1701403.W730.01C ML1924107.W740.01A ML1924107.W740.01B ML1924107.W740.01C ML1924106.W740.01A ML1924106.W740.01B ML1924106.W740.01C ML1924105.W740.01A ML1924105.W740.01B ML1924105.W740.01C ML1924108.W740.01A ML1924108.W740.01B ML1924108.W740.01C
Luminaire (Type A, B, C)	Type A - Luminaires using LED modules where compliance with EN 62717 has been proven
Ambient Temperature (tq)	25°C

List of the luminaires URBINO LED cl. II – series covered by the certificate 0042/ENEC+ /20/M2:

Choice sheet of the luminaires

Example of symbol:

130222.3LR7B40S3600.238.N.P



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

1. 130222 - Code of the series (URBINO)
2. 2 - Color:
2: grey
5: graphite
0: another
3. 3L - Type of power supply:
2L - DIMM 1-10V
3L - DALI
5L - on-off
6L - on-off / DALI
7L/ PL - programmable
4. R7 - CRI:
R7 = 70-79



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- | | |
|----------|---|
| 5. B40 | - Color temperature:
B30 = 3000K
B40 = 4000K
B65 = 6500K |
| 6. S3600 | - Max. luminous flux (e.g. S3600 = 36000lm) |
| 7. 2 | - Safety Class II |
| 8. 38 | - Optic:
01 O2 - for expressways
02 O3 - for municipal roads
03 O4 - for city roads
04 O5 - for residential roads
05 O6P - for pedestrian crossings, right-hand traffic
09 O6L - for pedestrian crossings, left-hand traffic
06 O7 - for area lighting
08 O8 - for city and commune roads
10 O26 - for wet surfaces
12 O33 - for expressways
13 O34 - to municipal roads
14 O35 - for city roads
15 O36 - for residential roads
16 O37P - for pedestrian crossings, right-hand traffic
17 O37L - for pedestrian crossings, left-hand traffic
18 O38 - for area lighting
19 O39 - for city and commune roads
20 O40 - for wet surfaces
30 O13 - for expressways
31 O14 - to municipal roads
32 O15 - for city roads
33 O16 - to residential roads
35 O59 - for municipal roads
36 O60 - for city roads
37 O61 - for residential roads
38 O62 - for expressways
39 O63 - for local roads
40 O64 - for city roads
41 O65 - for residential roads
42 O66 - for pedestrian crossings, left-hand traffic
43 O67 - for pedestrian crossings, right-hand traffic
44 O68 - for area lighting
45 O69 - for city and commune roads
46 O70 - for wet surfaces
47 O71 - for road lighting
48 O72 - for road lighting
49 O73 - for road lighting
50 O74 - for road lighting
51 O75 - for road lighting
52 O76 - for road lighting
53 O77 - for road lighting
54 O78 - for road lighting
55 O79 - for road lighting
56 O80 - for road lighting
57 O81 - for road lighting
58 O82 - for road lighting
59 O83 - for road lighting
60 O84 - for road lighting
61 O85 - for road lighting
62 O86 - for road lighting
63 O87 - for road lighting
64 O89 - for road lighting
65 O90 - for road lighting
66 O91 - for road lighting
67 O92 - for road lighting
68 O93 - for road lighting
69 O94 - for road lighting
70 O95 - for road lighting
71 O96 - for road lighting |



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9. N.P

- 72 O97 - for road lighting
- 73 O98 - for road lighting
- 74 O99 - for road lighting
- XX OXX – for investment optics
- 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

Information on LED Modules:

Luminaires	Used LED modules	LED modules ratings	ENEC for luminaires	Report for modules	
URBINO LED cl. II - series	ML1401700.W740.03A	ML1500301.W740.04C	Max 3600mA	0224/ENEC/20/M1 dated 15-12-2020	ITE PREDOM Division Report No. Z7-2/045/B/20
	ML1401700.W740.03B	ML1401010.W740.03A			
	ML1401700.W740.03C	ML1401010.W740.03B			
	ML1401701.W740.03A	ML1401010.W740.03C			
	ML1401701.W740.03B	ML1500302.W740.03A			
	ML1401701.W740.03C	ML1500302.W740.03B			
	ML1302080.W740.03A	ML1500302.W740.03C			
	ML1302080.W740.03B	ML1701400.W730.01A			
	ML1302080.W740.03C	ML1701400.W730.01B			
	ML1302090.W740.03A	ML1701400.W730.01C			
	ML1302090.W740.03B	ML1701400.W740.01A			
	ML1302090.W740.03C	ML1701400.W740.01B			
	ML1924900.W730.01A	ML1701400.W740.01C			
	ML1924900.W730.01B	ML1701401.W730.02A			
	ML1924900.W730.01C	ML1701401.W730.02B			
	ML1924900.W740.01A	ML1701401.W730.02C			
	ML1924900.W740.01B	ML1701401.W740.02A			
	ML1924900.W740.01C	ML1701401.W740.02B			
	ML1924901.W730.01A	ML1701401.W740.02C			
	ML1924901.W730.01B	ML1701401.W730.01A			
	ML1924901.W730.01C	ML1701401.W730.01B			
	ML1924901.W740.01A	ML1701401.W730.01C			
	ML1924901.W740.01B	ML1701402.W730.01A			
	ML1924901.W740.01C	ML1701402.W730.01B			
	ML1924902.W730.01A	ML1701402.W730.01C			
	ML1924902.W730.01B	ML1701403.W730.01A			
	ML1924902.W730.01C	ML1701403.W730.01B			
	ML1924902.W740.01A	ML1701403.W730.01C			
	ML1924902.W740.01B	ML1924107.W740.01A			
	ML1924902.W740.01C	ML1924107.W740.01B			
	ML1500300.W740.02A	ML1924107.W740.01C			
	ML1500300.W740.02B	ML1924106.W740.01A			
	ML1500300.W740.02C	ML1924106.W740.01B			
	ML1500301.W740.05A	ML1924106.W740.01C			
	ML1500301.W740.05B	ML1924105.W740.01A			
	ML1500301.W740.05C	ML1924105.W740.01B			
	ML1500301.W765.04A	ML1924105.W740.01C			
	ML1500301.W765.04B	ML1924108.W740.01A			
	ML1500301.W765.04C	ML1924108.W740.01B			
	ML1500301.W740.04A	ML1924108.W740.01C			
	ML1500301.W740.04B				

Possible configurations of luminaires and more information - see the Appendix No.1 to the TR Z7-2/097/B/2/20/M2 dated 02.03.2021 – Lists of the luminaires – on CD. (data received from the manufacturer)

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

Signed: **Manager
of Certification Office**

**Deputy Director
of Łukasiewicz- IMiF
PREDOM Division**

Place: **WARSAW**

Date: **02-03-2021**


Joanna Walczak-
Zlotkowska


Aleksander Piotrowski