

**EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)**

We (Mi):

	<b>Tungsrám Operations Kft.</b>
Registered office (bejegyzett székhely):	<b>1044 Budapest, Váci út 77. Hungary</b>
Contact address (kapcsolattartó cím):	<b>1044 Budapest, Váci út 77. Hungary (1044 Budapest, Váci út 77. Magyarország)</b>

as manufacturer, declare under our sole responsibility that the product (mint gyártó teljes felelősségünk tudatában kijelentjük, hogy a):

Product family (Termékcsalád): **ALix LED Outdoor Luminaire**

Product identification (Termék azonosítók): Listed in Appendix (Mellékletben felsorolva)

Manufactured in (Gyártóhely): **Hungary (Magyarország)**

to which this declaration relates is in conformity with the following harmonized standard(s), the reference to which have been published in the Official Journal of the European Union and/or other relevant technical specifications (amelyre ez a nyilatkozat vonatkozik, megfelel a következő harmonizált szabványoknak, amelyek hivatkozásait közzétették az Európai Unió Hivatalos Lapjában és/vagy vagy egyéb vonatkozó műszaki előírásoknak):

**EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)**  
**ELECTRICAL AND PHOTOBIOLOGICAL SAFETY (ELEKTROMOS BIZTONSÁG**  
**ÉS EGÉSZSÉG)**

Number, version, year of issue	Title
EN 60598-1:2015, EN 60598-1:2015/AC:2015, EN 60598-1:2015/AC:2016, EN 60598-1:2015/AC:2017-05, EN 60598-1:2015/A1:2018	Luminaires - Part 1: General requirements and tests
EN 60598-2-1:1989	Luminaires - Part 2: Particular requirements - Section 1: Fixed general purpose luminaires
EN 60598-2-3:2003, EN 60598-2-3:2003/A1:2011, EN 60598-2-3:2003/AC:2005	Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting
EN 60598-2-5:2015	Luminaires - Part 2-5: Particular requirements - Floodlights
EN 62493:2015, IEC 62493:2015	Assessment of lighting equipment related to human exposure to electromagnetic fields

therefore it complies with the provisions of the following EU Directive (ezáltal biztosítva a következő EU irányelvnek való megfelelést)

**Directive 2014/35/EU (2014/35/EU irányelv).**

**EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)**  
**ELECTROMAGNETIC COMPATIBILITY (ELEKTROMÁGNESES KOMPATIBILITÁS)**

Number, version, year of issue	Title
EN 55015:2013+A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current <math>\leq 16\text{ A}</math> per phase)
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <math>\leq 16\text{ A}</math> per phase and not subject to conditional connection
EN 61547:2009	Equipment for general lighting purposes - EMC immunity requirements

therefore it complies with the provisions of the following EU Directive (ezáltal biztosítva a következő EU irányelvnek való megfelelést)

**Directive 2014/30/EU (2014/30/EU irányelv).**

**ROHS**

Number, version, year of issue	Title
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

therefore it complies with the provisions of the following EU Directive (ezáltal biztosítva a következő EU irányelvnek való megfelelést):

**Directive 2011/65/EU (2011/65/EU irányelv).**

**EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)**

**ECODESIGN**

It complies with the provisions of the following EU Directives (Megfelel a következő EU irányelveknek):

**Directive 2009/125/EC (2009/125/EC irányelv) and (és) its implementing Regulation (EU) 2019/2020 and their amendments (annak végrehajtási rendelete (EU) 2019/2020 és módosításai).**

This declaration is valid from (A deklaráció érvényes): 2021-09-01

 (signature)

 (signature)

**Lantos Ferenc** (name)  
Head of PM & Director of Technology (Title)

**HEAD OF PRODUCT MANAGEMENT** (name)  
**HUJBER KATALIN**

2021-08-31 (date) (YYYY-MM-DD)

2021-08-31 (date) (YYYY-MM-DD)

Hungary (Country)

Hungary (Country)

## EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)

## Appendix (Melléklet)

Brand (Márkanév) : Tungstram (TU)

ALix LED	/	Generation	/	Front Glass	/	Optics	/
ALIX	/	3	/	F-Flat Glass	/	AF-Asymmetric Forward	/
						AW-Asymmetric Wide	/
						AN-Asymmetric Narrow	/
						AEF-Asymmetric Extra Wide Flood	/
						AFN-Asymmetric Forward Throw Narrow <sup>(1)</sup>	/
						SWF-Symmetrical Wide Flood	/
						SNS-Symmetrical Narrow Spot	/

Nominal Power (W)	/	CCT (K)	/	Control	/	Accessories	/
32	/	3-3000K	/	N-No control	/	ST-6kV surge protection	/
50	/	4-4000K	/	D-DALI external	/	SP-Enhanced surge protection <sup>(3)</sup>	/
70	/	5-5000K	/	Yxx-Dynadim <sup>(2)</sup>	/	LS-7pin NEMA socket with SP	
100	/		/	NLxx-Constant Light <sup>(2)</sup>			
140	/		/	DLxx-DALI+CLO <sup>(2)</sup>			
			/	YLxx-Dynadim+CLO <sup>(2)</sup>			

IEC Protection Classes	/	Precabbling	/	Mounting	/
1-Class I	/	N-No precabbling	/	C-60mm Coupler	/
2-Class II	/	PXX-Precabbling with XX meters	/	B-Bracket	/

Color	/	Customer <sup>(4)</sup>
R9007	/	XXX
R####-	/	A
		SWE

**Example: ALix/3/F/AEF/140/4/D/ST/1/P1/C/A**

(1) AFN optics only available with Powers 100W &amp; 140W

(2) x is integer number 0..9

(3) 10kV surge protection

(4) Leave it blank if it is R9007.

(5) Optional customer/project specific product identifier. It has no impact on technical features except in case of the A (Only with DALI external and DALI+CLO control options). Leave it blank if it is standard.