

EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)

We (Mi):

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

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

Product family (Termékcsalád): **AHix 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 60598-2-5:2015	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).

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 \leq 16 A 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 \leq 16 A 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).

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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).

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)

HEAD OF PRODUCT MANAGEMENT
HUJBER KATALIN (name)

(Title)

2021-08-19 (date) (YYYY-MM-DD)

Hungary (Country)

 (signature)

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

(Title)

2021-08-19 (date) (YYYY-MM-DD)

Hungary (Country)

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Appendix (Melléklet)

 Brand / Márkanév: GE (**g**), *Tungsr*am (TU)

AHix LED	Generatio n	Front Glass	Optics	Nominal Power (W)	CCT (K)
AHIX	1	F-Flat Glass	AF-Asymmetric Forward	200	4-4000
			AW-Asymmetric Wide	250	5-5000
			AN-Asymmetric Narrow	285	
			AEF-Asymmetric Extra Wide Flood	300	
			AFN-Asymmetric Forward Throw Narrow		
			SWF-Symmetrical Wide Flood		
			SNS-Symmetrical Narrow Spot		
			SW – Symmetric Wide		
			SF – Symmetric Forward		

Control	Accessories	IEC Classes
N-No control	ST - Standard Luminaire, Driverbox on luminaire, 6kV SVP	1-Class I
D-DALI external	SP - Standard Luminaire, Driverbox on luminaire, 10kV SVP	
	RST - Remote Driver Luminaire, Driverbox separated from luminaire, 6kV surge protection	
	RSP - Remote Driver Luminaire, Driverbox separated from luminaire, 10kV surge protection	

Precabbling	Mounting	Color	Special Options
N-No precabbling	B-Bracket	R9007	Standard - Standard version
PX-Precabbling with X meters		R####-	
PCX-Precabbling with connectors X meters			

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AHix LED	Generatio n	Front Glass	Optics	Nominal Power (W)	CCT (K)
AHIX	1	F-Flat Glass	AF-Asymmetric Forward	300	4-4000
			AW-Asymmetric Wide		5-5000
			AN-Asymmetric Narrow		
			AEF-Asymmetric Extra Wide Flood		
			AFN-Asymmetric Forward Throw Narrow		
			SWF-Symmetrical Wide Flood		
			SNS-Symmetrical Narrow Spot		
			SW – Symmetric Wide		
			SF – Symmetric Forward		

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Control	Accessories	IEC Classes
D-DALI external	SP - Standard Luminaire, Driverbox on luminaire, 10kV SVP	2-Class II

Precabbling	Mounting	Color	Special Options
N-No precabbling	B-Bracket	R9007	Standard - Standard version
PX-Precabbling with X meters		R####-	
PCX-Precabbling with connectors X meters			

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AHix LED	Generation	Front Glass	Optics	Nominal Power (W)	CCT (K)
AHIX	2	F-Flat Glass	AF-Asymmetric Forward	200	3-3000
			AW-Asymmetric Wide	250	4-4000
			AN-Asymmetric Narrow	285	5-5000
			AEF-Asymmetric Extra Wide Flood	300	
			AFN-Asymmetric Forward Throw Narrow		
			SWF-Symmetrical Wide Flood		
			SNS-Symmetrical Narrow Spot		
			SW – Symmetric Wide		
			SF – Symmetric Forward		

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Control	Accessories	IEC Classes
N- No control	ST - Standard Luminaire, Driverbox on luminaire ****	C1-Class I
D-DALI	SP - Standard Luminaire, Driverbox on luminaire *****	C2-Class II
Yxx-Dynadim***	RSTx - Remote Driver Luminaire, Driverbox separated from luminaire***, ****, *****	
NLxx - No control + CLO***	RSPx - Remote Driver Luminaire, Driverbox separated from luminaire***, *****	
DLxx - DALI + CLO***		
YLxx - Dynadim + CLO***		

Precabbling	Mounting	Color
N-No precabbling	B1 - Bracket (Long)	R9007
PX-Precabbling with X meters *	B2 - Bracket (Short)	R#####
	B3 - Bracket (Coupler)	

Exceptions:

- * Maximum precabbling length supplied with the product is 5 meters. Longer cabling is sold separately.
- ** Other RAL colors available on request
- ***x is integer
- **** 10 kV surge immunity built in the driver in case of Class I
- ***** 10 kV surge protection in case of Class I & Class II
- ***** Maximum cable length between gearbox and optical housing is 2 meters

Example: AHIX/2/F/AN/250/5/D/RST2/C2/N/B2

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AHIX/2/F/AFN/330/5/D/RST2/C1/P5/B2