



EU DECLARATION OF CONFORMITY (EU MEGFELELŐSÉGI NYILATKOZAT)

We (Mi):

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

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

Product family (Termékcsoport): _THB IP20_____

Product identification (Termék megjelölése): **Listed in Appendix** (mellékletben felsorolva)

Manufactured in (Gyártóhely): Hungary

to which this declaration relates, hereinafter product is in conformity with the following harmonized standard(s) references of 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 egyéb vonatkozó műszaki előírásoknak:



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ELECTRICAL AND PHOTOBIOLOGICAL SAFETY

Standard No/Specification	Title
EN 60598-1:2015	Luminaires- Part 1: General requirements and tests
EN 60598-2-1: 1989	Luminaires- Part 2: Particular requirements- Section 1: Fixed general purpose luminaires
EN 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.

ELECTROMAGNETIC COMPATIBILITY

Standard No/Specification	Title
EN 61547: 2009	Equipment for general lighting purposes - EMC immunity requirements
EN 55015: 2013+A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN61000-3-2:2014	Electromagnetic compatibility (EMC) – Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)
EN 61000-3-3: 2013	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16 A

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

Directive 2014/30/EU.



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ROHS

The product complies with the provisions of the following EU Directive (A termék megfelel a következő EU irányelvnek)

DIRECTIVE 2011/65/EU including all applicable amendments.

ECODESIGN

The product complies with the provisions of the following EU Directive/Regulation (A termék megfelel a következő EU irányelvnek/rendeletnek)

Directive 2009/125/EC and its implementing Regulation **1194/2012/EU** including all applicable amendments.

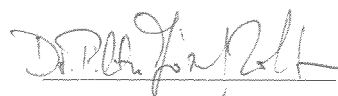
 (signature)

Kühne Csaba (name)

Product Manager (Title)

2019-05-22 (date) (YYYY-MM-DD)

Hungary (Country)

 (signature)

Pilter Zoltán József (name)

Regulatory Manager (Title)

2019-05-22 (date) (YYYY-MM-DD)

Hungary (Country)

Tungshram Operations Kft.
1044 Budapest, Váci út 77.
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Appendix (Melléklet)

Brand / Márkanév: Tungstram (TU)

Product ID	Module / Efficiency / Lumen	CCT / CRI	Optic	Sensor - Control	Options	Options2
TU HB IP20 G1	1S10- 1M Std 10klm	4K70- 4000K CRI70	C1-120° Clear	FX- Fix output	ST - non emergency	Xxxxxx – other colour, etc
	1S20- 1M Std 20klm	5K70- 5000K CRI70	D1-120° Diffuse	DL- DALI		
	1S30- 1M Std 30klm	4K80- 4000K CRI80	L9-90° Clear			
	1H10- 1M High 10klm	5K80- 5000K CRI80	L5-55° Clear			
	1H20- 1M High 20klm		L3-30° Clear			
	2H30- 2M High 30klm					

Exceptions		
1H10		FX
1H20		FX
1H30		FX

Example: TU HB IP20 G1 1S10 4K70 C1 FX ST