

We

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declare that the DoC is issued under our sole responsibility and belongs to the following product:

Apparatus Model/Product:	MAC ULTRA PERFORMANCE, MAC ULTRA PERFORMANCE WHITE MAC ULTRA WASH, MAC ULTRA WASH WHITE
Type:	Stage luminaire

Object of the declaration:

Stage and studio moving head fixture with high power LED light source and DMX/Ethernet interface for automated control. Includes the variants Performance having framing/profile effects and the basic Wash type, both with color choices of the outer enclosure.



The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

2014/35/EU	The Low Voltage Directive and its amending Directives
2014/30/EU	The Electromagnetic Compatibility Directive and its amending Directives
2011/65/EU	Restriction of Hazardous Substances (RoHS2) directive

The following harmonized standards and technical specifications have been applied:


EN 60598-2-17:2018	Luminaires - Part 2: Particular requirements - Section 17: Luminaires for stage lighting, television film and photographic studios (outdoor and indoor)
EN 62471:2008	Photo-biological safety of lamps and lamp systems
EN 62493:2015	Assessment of lighting equipment related to human exposure to electromagnetic fields
EN 55015:2013+A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 55032:2012	Electromagnetic compatibility of multimedia equipment – Emission requirements, Class B

EU-DECLARATION OF CONFORMITY (DoC)

Document No. 60001-20210211

EN 61000-3-2:2014	Electromagnetic Compatibility Part 3. Limits Section 2. Limits for harmonic current emissions (equipment input current $\leq 16A$ per phase)
EN 61000-3-11:2000	Electromagnetic compatibility (EMC) – Part 3-11: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – Equipment with rated current $\leq 75A$ and subject to conditional connection *For conformity with mains voltage fluctuations and flicker per EN 61000-3-11 during extensive use of continuously strobe effects, the user shall determine in consultation with the supply authority, if necessary, that the equipment is connected to a supply impedance of less than 0.39Ω at 50 Hz.
EN61000-4-4:2012	Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transients/burst immunity test, Level 3
EN61000-4-5:2014	Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test, Level 3
EN 55103-2:2009	Electromagnetic compatibility — Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use — Part 2: Immunity, Class E3
EN 61547:2009	Equipment for general lighting purposes – EMC immunity requirements
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Signed for and on behalf of:

Signature:	
Name:	Printed Name: Andersen, Asger Kastrup
Function:	Function/Title: Sr. Director, Lighting R&D / Engineering
Place issued:	Harman Professional Denmark ApS Olof Palmes Allé 44 8200 Aarhus N, Denmark
Date issued:	2021-02-11

Euperan Representative's Name and Address:

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