

We

Company Name:	Harman Professional, Inc.
Post Address:	8500 Balboa Blvd.
Postcode and City:	Northridge, CA 91329 USA
Telephone number:	+1 (818) 841-4600
E-Mail address:	HProTechSupportEMEA@harman.com

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 legislation of United Kingdom:

UK SI 2016 No. 1101	The Electrical Equipment (Safety) Regulations 2016
UK SI 2016 No. 1091	Electromagnetic Compatibility Regulations 2016
UK SI 2012 No. 3032	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (RoHS2)

The following BSI standards and technical specifications have been applied:

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



UKCA-DECLARATION OF CONFORMITY (DoC)

Document No. 60003-20210211

BS EN 61000-3-2: 2014	Electromagnetic Compatibility Part 3. Limits Section 2. Limits for harmonic current emissions (equipment input current $\leq 16A$ per phase)
BS EN 61000-3-11:2001	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.
BS EN61000-4-4:2012	Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transients/burst immunity test, Level 3
BS EN61000-4-5:2014	Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test, Level 3
BS 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
BS EN 61547:2009	Equipment for general lighting purposes – EMC immunity requirements
BS 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:	Signature <i>Asger Andersen</i>
Name:	Printed Name: Andersen, Asger Kastrop
Function:	Function/Title: Sr. Director, CoC Lighting, Engineering / R&D
Place issued:	Harman Professional Denmark ApS Olof Palmes Allé 44 8200 Aarhus N, Denmark
Date issued:	21-02-11

UK Representative's Name and Address:

Name:	Harman Professional Solutions
Function:	Importer and Distributor
Address:	2 Westside, London Road Apsley, Hemel Hempstead, HP3 9TD United Kingdom