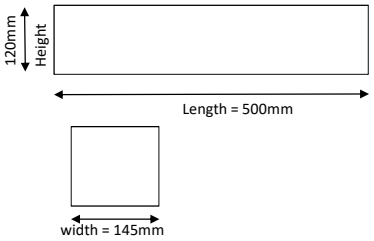
Philips ArenaVision LED Driver

ArenaVision LED Driver - data sheet

ArenaVision LED
DRIVER BOX

EVP400



Driver box Name Driver Type Name	EVP400 (*DMX-RDM version)* *LHP1710W 220_400V E2RDM*
System power	Up to 1710W *(tolerances on system power: +/- 10%)*
Percent flicker factor	< 1% *(Measured with flicker meter ARRI Light Analizer P.R.O.F.)*
Operating temperature range	-40°C up to +45°C *(depends on floodlight's Ta dependent version)*
Storage Temperature range	-40°C up to +85°C
Electrical insulation class	Class I
Humidity	95%
Degree of Ingress Protection	IP66
Driver box dimensions (LxWxH)	500 x 145 x 120 mm
Driver box weight	6.2 Kg *(tolerances on weight: +/- 10%)*
Material / Finishing	Painted in raw aluminum color *(other paint colors are not possible)*
Driver box mains input	Optional 220V* - 400V, 50/60Hz *(tolerances on mains supply voltage fluctuations: -/+ 10%)* *(* at 220V max output current is 1.8A for full loadversion)*
Inrush current	20 A during 160 µs at 230 V mains / 30 A during 160 µs at 400 V mains
Power factor	> 0.95 at full power
Surge protection	10 KV standard *(driver integral)*
Protections	Over Temperature, UnderVoltage / Short Circuit, OverVoltage / Open Circuit, Output failure
Driver box lifetime / Failure rate	50000 hours at operation temperature range / 0.5% per 5000 hours
Driver box installation	Indoor/outdoor open air without need of cabinet or inside electrical cabinet (IP54) or inside electrical room Either pre-fitted on the luminaire (HGB version) or remotely away from luminaire (BV version) Please follow Mounting instruction and installation guidelines of Luminaire on max distance in remote version Fixation on flat surface by means 4 standard screws/bolts thru the key slot holes Universal fixation position *(cable glands never upward for outdoor)*
Driver box electrical connection / Cabling	Mains input: Screw-less terminals for wires up to 4mm^2/ Cable entry via 1xM25 cable gland accepting cable diameter between 13 and 18 mm *(no thru-wiring in/out)* Output to luminaire: Screw-less terminals for wires up to 2.5mm^2/ Cable entry via 1xM25 cable gland accepting cable diameter between 13 and 18 mm Cable to luminaire (BV version luminaire): One cable of 7-core (8-core for distance > 50m) at length of customer choice *(cables are not supplied by Philips)*
DMX-RDM control interface	System connectivity via 2xRJ45 connectors / Cable entry via 1xM20 cable gland accepting two cables (in/out) of 6mm (+/-1mm) diameter to be connected to RJ45 connectors located inside electrical compartment of driver box. Installer to connect the male connectors of RJ45 after passing thru the cable via cable gland
Optional versions	CLO / Indoor swimming pool protected (SWP) / Marine salt protected (MSP)
Certification / Listing	CE, ENEC, CB, AS/NZ 60598
Compliance	EN61347 -1-2008 +A1 :2011 +A2:2013 / EN61347-2-13 : 2014 EMC EN 55015 2013 + A1: 2015 EMC Immunity EN 61547 2009 Harmonics EN 61000-3-2 : 2014 Harmonics EN 61000-3-3 : 2013 European Ecodesign regulation No 1194/2012 EN50581:2012
Packaging content / Gross Weight	Contains floodlight and driver box either pre-fitted (HGB) or separate (BV). Driver box of BV version contains a suspension kit with its fixing parts Gross weight with packing 12kg

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