



High Power GearUnits

ECM330 MHN-LA1000W 220-480V

GearUnits, MASTER MHN-LA, 1000 W

Philips is one of the few companies able to provide total floodlight system solutions comprising all necessary elements – floodlight, lamp source and control gear unit. Our innovative high-power GearUnits are designed to meet our customers' need for a compact gear solution that is completely ready for installation. The pre-wired high-power control gear units are intended for use in combination with floodlights that are suitable for high-wattage HID lamps and cannot integrate electrical components because of limited space or high temperatures. A gear unit contains all electrical components (ballast, ignitors, capacitors), wiring and terminal blocks needed to ensure initial lamp ignition and proper operation of the lamp in stabilized current. The electromagnetic high-power GearUnits are available in both IP20 (ECB330) and IP65 (ECP330) versions. Within the GearUnits family there is also an electronic ballast version (ECM330) available in IP20, which is suitable for the MVF403 MHN-LA 1000 W and MVF404 MHN-SE HO 2000 W ArenaVision floodlights. The ArenaVision floodlight family is specially designed for TV broadcasts from indoor and outdoor sports facilities. Electronic-ballast GearUnits completely eliminate the flicker effect, thereby guaranteeing perfect images filmed with super-slow-motion cameras.

Product data

General Information	
Lamp family code	MHN-LA [MASTER MHN-LA]
Number of gear units	Unit
Gear	EB [Electronic]
Product family code	ECM330 [GearUnits]
Value ladder	Performance
CE mark	Yes
Flammability mark	-

ENEC mark	ENEC mark
Operating and Electrical	
Input Voltage	220 to 480 V
Line Frequency	50 to 60 Hz
Power Consumption	1,000 W
Connection	Screw connection block 3-pole

High Power GearUnits

Temperature

Ambient temperature range	-30 to +55 °C
---------------------------	---------------

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

Housing material	Aluminium
------------------	-----------

Housing Colour	Silver
----------------	--------

Approval and Application

Ingress protection code	IP20 [Finger-protected]
-------------------------	-------------------------

Mech. impact protection code	IK10 [20 J vandal-resistant]
------------------------------	------------------------------

Product Data

Order product name	ECM330 MHN-LA1000W 220-480V
--------------------	-----------------------------

Full product name	ECM330 MHN-LA1000W 220-480V
-------------------	-----------------------------

Full EOC	871869660103700
----------	-----------------

Order code	60103700
------------	----------

Material no. (12 NC)	910505016322
----------------------	--------------

SAP numerator – quantity per pack	1
-----------------------------------	---

EAN/UPC – Product/Case	8718696601037
------------------------	---------------

Numerator – packs per outer box	1
---------------------------------	---

EAN/UPC – Case	8718696601037
----------------	---------------

Dimensional drawing

