



Augenti®



RGBW ALGORITHM SYSTEM



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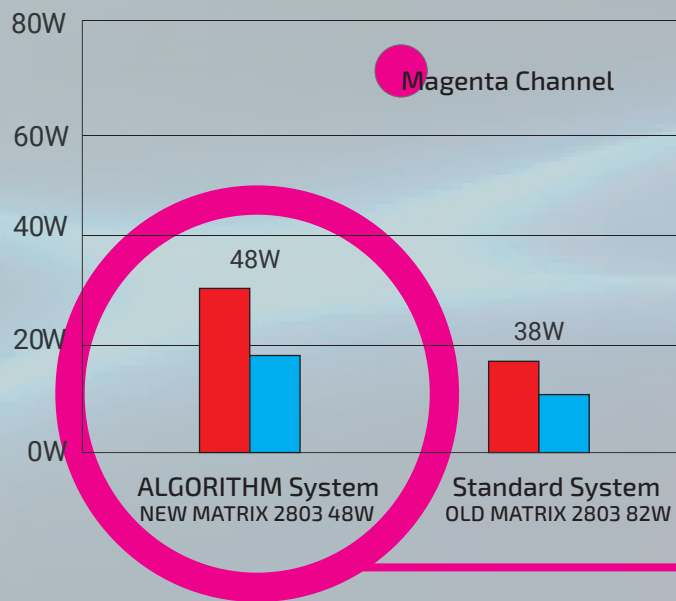
Algorithm is an innovative system to manage RGBW flux, which allows a regularity of flux/power in the transition under the different colours of the spectrum, thanks to a stabilization of the chip voltage. This voltage is kept regular through a software put inside the on-board electronics of the fixture. So, there are advantages concerning efficiency and colour management, higher than the traditional system, which normally restricts to 25% the power of a single chip, bringing higher consumptions with the same flux emissions.

Algorithm, on the contrary, equalizes the distribution of the voltage on the channel or on the couple of channels, in order to reduce to the lowest the difference of the power, which normally exists with the passage from one colour to another; this allows a quite constant output, with minimum differences in the colours transition, linked to the different emission characteristics of the colours themselves.



The standard system reaches a power of 82W when all the 4 colours are turned on, while considering the single chip the power is about the 25% on the total.

The control software ALGORITHM allows to take advantage of all the 48W declared Watts, guiding them in the single channel and permitting a constant power emission from one colour to another.

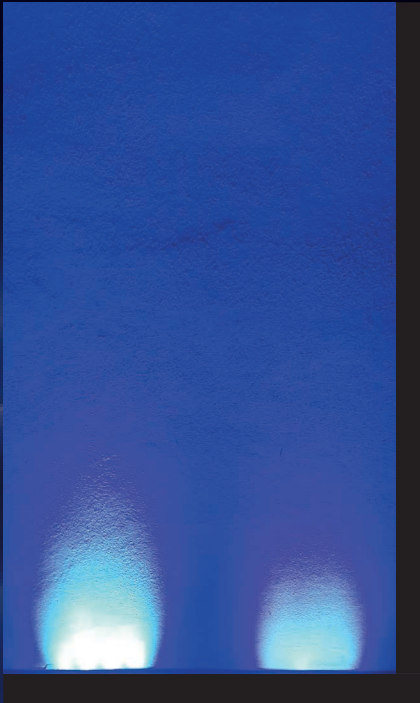


MANAGEMENT OF THE POWER

A similar situation happens when more channels are turned on. In the Magenta example, you can note that the system ALGORITHM always allows an emission of 48W (30W Red+18W Blue)

FLUIDITY OF TRANSITION

Comparison on MATRIX 2803R RGBW



ALGORITHM System
NEW MATRIX
48W

Blu Channel
48W 2110lm

Standard System
OLD MATRIX
82W

Blu Channel
22W 1000lm



ALGORITHM System



Standard System

The management of the channels through the control system ALGORITHM offers greater graduality and smoothness during the transition, reducing in a clear way the differences in the passage of the different colour shades.

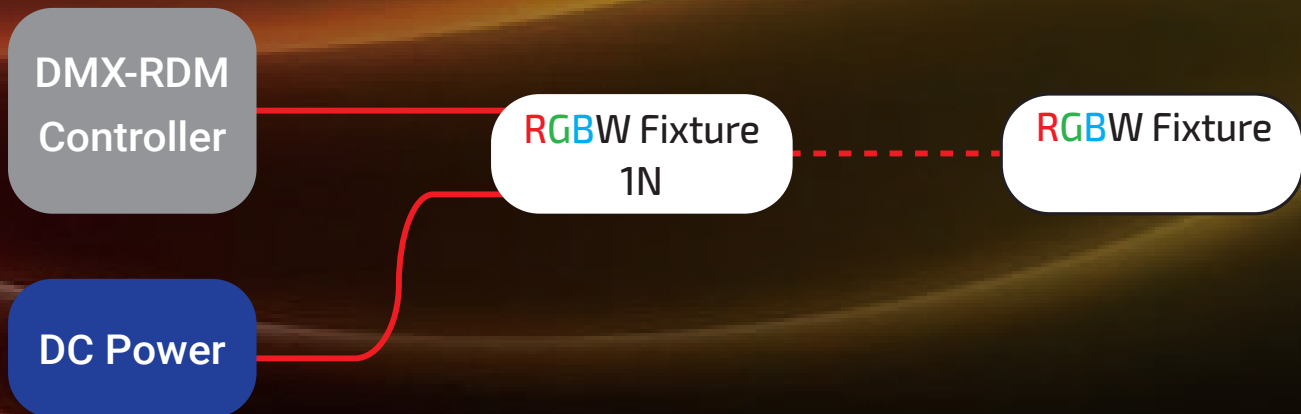


ALGORITHM SYSTEM

EASY CONNECT

The on-board electronics (where the software is located), is linked through a direct interface with DMX-RDM system, then without any converters or secondary interfaces, but simply through the link between the 2 DMX channels.

Therefore, facility and flexibility of installation thanks to the compatibility with the system existing in the market.





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