



# BRIO WEX

PAR-56 LED power



## Brio<sup>®</sup> WEX-30 color

[EOLIA Range]

Ref: PF10R200

### Technical document v1.1

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#### WARNING

The projectors are powered by PELV 12V AC (Protective Extra-Low Voltage) units compatible with volume 0 (in the pool), in compliance with the standard NF C 15-100.

The projector must be submerged before connecting them to the power supply and must never be powered if not submerged.

Always make sure to disconnect the power supply at the source before attempting to manipulate the electrical installation.

#### Technical specifications

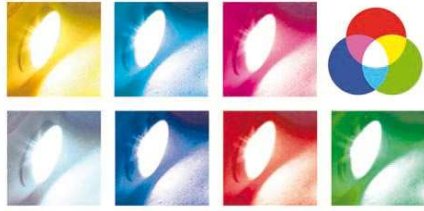
Dimensions	PAR-56
Voltage supplied	12 V AC 50Hz/60Hz
Power consumption	30W
Weight	500g (bulb), 900g (packaged)
Type of LED	POWER LED
Number of LEDs	9 ( 3 red / 3 green / 3 blue )
Max. luminous output	According to the color/ 1000lm max.
Color control	By BRIO-RC or by power cuts

#### Packaging contents

- 1 BRIO WEX-30 bulb
- 2 stainless steel nuts and bolts for the connection
- Technical document (this document)



to replace the 300W incandescent bulbs, reducing energy consumption in a full range of colors.



The colors are created by combining the three primary colors Red, Green and Blue (RGB).

By adjusting the intensity of these 3 colors, it is possible to obtain an infinite range of tones.

The WEX bulbs can be controlled remotely with a radio control using the Brio RC (optional) or in stand-alone mode.

## Use – Stand alone mode

In the absence of the Brio RC, the bulbs will operate autonomously and the user may choose between 18 different modes: 11 still colors and 7 automatic color-change sequences.

Mode	Type	Description
1	Still color	Pure white
2	Still color	Blue
3	Still color	Turquoise
4	Still color	Cyan
5	Still color	Purple
6	Still color	Magenta
7	Still color	Pink
8	Still color	Red
9	Still color	Orange
10	Still color	Green
11	Still color	Pale green
12	Automatic program	"Rainbow" fast
13	Automatic program	"Rainbow" slow
14	Automatic program	Sequence of 11 still colors
15	Automatic program	Psychedelic colored flashes
16	Automatic program	Blue / White / Cyan on a loop (merged)
17	Automatic program	Random sequence of set colors
18	Automatic program	Random sequence of random colors

## Mode change

You can change the color by cutting off the power to the projectors for a very brief interval (<1s).

Repeating this will allow you to run through the 18 different modes. After mode 18, the WX will revert back to the first color (mode 1)

## Reset

To reset the bulbs and simultaneously reset them to mode 1, just cut off the power for around 2 seconds.

When the projector is switched on after an interruption of several seconds (>4s), the WEX-30 will restart in the mode it was at when switched off.

## Safety

In case of abnormal heating inside the bulb, a safety measure will halt the illumination and the bulb will flash red. As soon as the temperature returns to normal, the bulb will resume illumination.

In case of a drop in voltage (11V AC) or a surge (15V AC), the bulb will switch itself off and flash green. It is crucial to cut the power supply to the projectors in order to resume normal working order.

## Installation

The WEX is installed as a replacement for 30W 12V incandescent bulbs to fit the standard PAR56 sockets.

We recommend that it be installed by a professional.

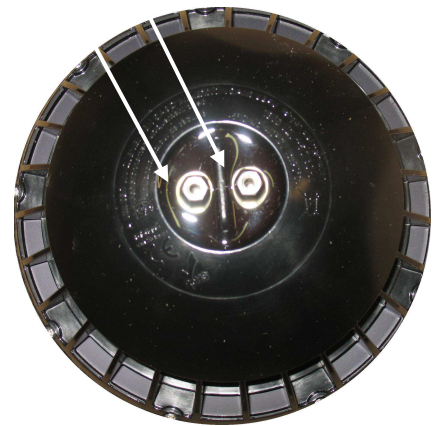
### Replacing a bulb

Remove the old one and attach the BRIO-WEX in its place. Use the terminals as shown in the photo below.

Connect the bulb using the stainless steel bolts supplied with the bulb.

The projector is integrated into the place of the old bulb. Make sure that the projector is kept level while tightening the support **in order to correctly seal the joint at the back of the projector**. Look out for the arrow on the front of the bulb; it must be positioned facing upwards.

12 VAC



## Transformer power

The transformer used must have a voltage on the secondary side of 12V (12.5V according to the model). The power must be consistent with the power of the projector(s) to be connected. In any event, the total projector power must remain below or equal to the power of the transformer.

Transformer power	Max. n° of WEX-30 projectors
50VA	1
100VA	3
300VA	9

## Projector protection

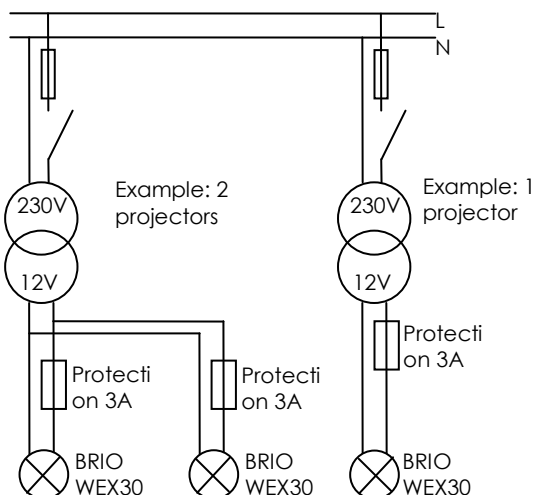
You must provide independent protection for each projector. This protection must be ensured on the secondary side of the transformer with fuses or 3A or 5A circuit breakers.

## Cable specifications

Drops in voltage in the projector power supply cable must be kept to a minimum so as not to alter the colors.

	THICKNESS (mm <sup>2</sup> )			
	2,5	4	6	10
Max. length (m)	10,0	17,0	25,6	42,6

## Connection diagrams



# Brio® WEX-30

Date of sale:.....  
Serial:.....

## Declaration C E

The company CCEI SA (FR 1507 073 804 973) declares that the product Brio WEX-30 meets the safety and electromagnetic compatibility requirements of European directives 2006/95/CE and 2004/108/CEE.

Emmanuel Baret  
Marseille, 23/05/2011

## Distributor Stamp



[www.ccei.fr](http://www.ccei.fr)

