



C.P.A.  
S.R.L.

## MINI PROJECTOR SERIES MT-4



C.P.A. srl

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## Mini led projector features

### ✓ PROOF

Made by injection of polycarbonate which gives it a high resistance to shock, heat and chemical aggression of water treatment products.

### ✓ EFFICACE

The optic, fixed with friction welding, was developed for aquatic lighting in order to obtain a homogeneous distribution of light, harmonious and not blinding for the wet.

### ✓ EFFECTIVE

The light source made up of LEDs allows numerous savings both for the user (energy savings) and for the professional, when building the swimming pool.

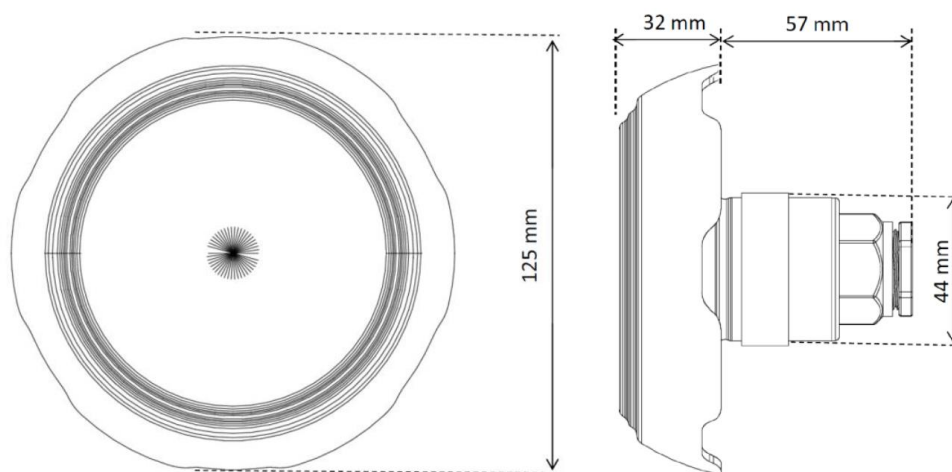
A cable with a 2x1.5 mm<sup>2</sup> section connected to a 10 W protected toroidal transformer is sufficient for the installation of a flat projector (economies of materials and labor).

### ✓ EASY TO INSTALL

Having a 1 "½ male thread as the fixing system, no specific tool is needed for installation. Just provide a 1 "½ nozzle (code 1070065) and screw the mini projector by hand.

The power cable that passes through the nozzle must arrive at a junction box by means of an airtight sheath (power cable 2x1.5 mm<sup>2</sup>).

## Mini Led projector dimensions



## Mini Led projector models

Code Description

**1070171** Mini projector - 36 LED RGB 6,8 W 12 Vac



ideal for new installations, this projector allows to illuminate an area of the pool up to 5 meters in a perfectly harmonious and not blinding way.

The ignition command is performed from the general electrical panel of the swimming pool.

IP68 (1m)

As an option it is possible to install a control box installed between the lamp and the 12Vac transformer.

**1070172** Mini projector - 12 LED white color 4,0 W 12 Vac



Ideal for new installations, this projector allows you to illuminate an area of the pool up to 5 meters in a perfectly harmonious and not blinding way.

The ignition command is performed from the general electrical panel of the swimming pool. IP68 (1m). When used for the first time, the projector switches on on program 1, white (all LEDs on).

As an option it is possible to install a control box installed between the lamp and the 12Vac transformer.

## Color Range



### Luce RGB

With 11 fix colors fissi and 5 automatic programs

**1070171** Mini projector 36 LED RGB 6,8 W – 12Vac

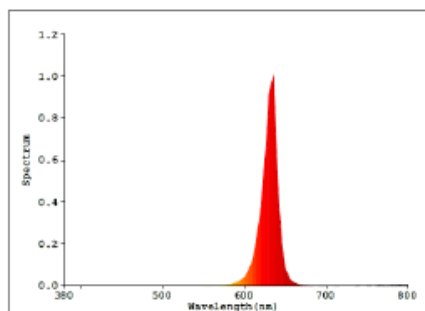


### White Light

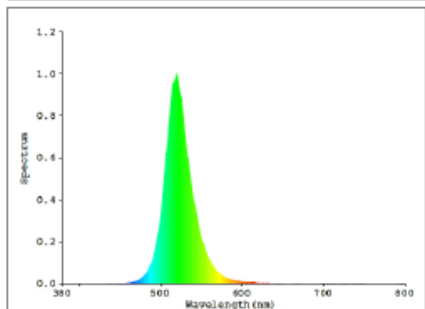
**107172** Mini projector 12 LED white 5,2 W – 12 Vac

## Mini Let projector technical features– cod. 1070171

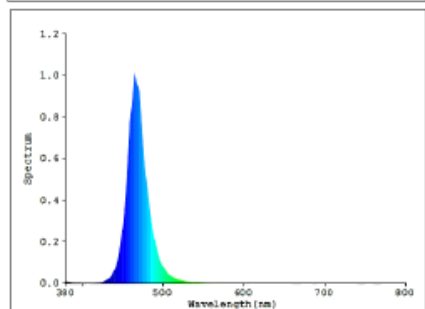
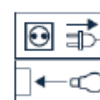
**FOTOMETRO :** (Misure effettuate in laboratorio \* misure effettuate in immersione)



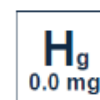
Temperatura del colore : Rosso 1000K  
Ra (IRC) : 17,9  
Angolo di diffusione : 120°  
Flusso in lumens nominale : 43 lumens



Temperatura del colore : Verde 8370K  
Ra (IRC) : 23,7  
Angolo di diffusione : 120°  
Flusso in lumens nominale : 148 lumens



Temperatura del colore : Blu 100000K  
Ra (IRC) : 49,7  
Angolo di diffusione : 120°  
Flusso in lumens nominale : 32 lumens



### PARAMETRI ELETTRICI :

Potenza : 6,80W  
Potenza stabile >1h : 6,50W  
Flusso in lumens nominale : 220 lumens  
PF maxi : 0,71  
Alimentazione minima  $[(P_i / PF) + 20\%]$  : 11VA  
Tensione d'alimentazione : ~12V, 50/60Hz  
Classe elettrica : III

### ALTRI PARAMETRI :

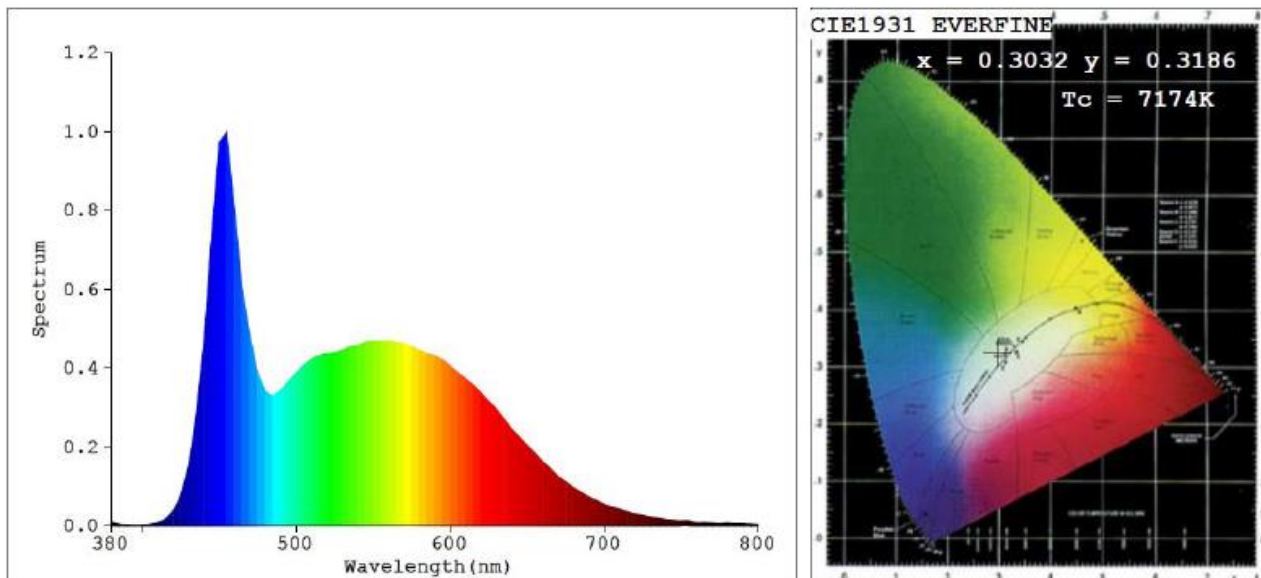
Indice di protezione : IP68\*  
Durata della vita dei LED : > 15 000h  
Cicli di commutazione : > 100 000  
Uso : immersione solo in acqua



The life span is given as an indication according to the information of the component manufacturers. This duration is never contractual and can vary depending on the frequency of use but also on important changes in current.  
For example, a lamp that is turned on 4 hours per night during a period of 6 months per year can have a lifespan of approximately 20 years.

## Mini Let projector technical features – cod. 1070172

**FOTOMETRO :** (Misure realizzate in laboratorio \* misure effettuate in immersione)



Temperatura del colore : bianco freddo 7000K

Ra (IRC) : 88\*

Angolo di diffusione : 120°

Flusso in lumens nominale : 540 lumens\*

Flusso in lumens utile (angolo 120°) : 471 lumens\*



### PARAMETRI ELETTRICI :

Potenza : 5,40W\*

Potenza stabile >1h : 5,20W\*

PF : 0,68

Alimentazione minima  $[(P_i / PF) + 20\%]$  : 10VA

Tensione d'alimentazione : ~12V, 50/60Hz

Classe elettrica : III

Indice di efficienza energetica IEE : 0,13



### ALTRI PARAMETRI :

Indice di protezione : IP 68\*

Durata della vita del LED : > 10 000h

Ciclo di commutazione : > 100 000

Uso : immersione solo in acqua



*The life span is given as an indication according to the information of the component manufacturers. This duration is never contractual and can vary depending on the frequency of use but also on important changes in current.*

*For example, a lamp that is turned on 4 hours per night during a period of 6 months per year can have a lifespan of approximately 20 years.*

### Recommendations for the installation of the mini led projector

These swimming pool floodlights must be powered by a transformer of at least 20% higher power than the total absorbed power.

It is important to check the compatibility of the nozzle before final assembly. Certain models with a thread stop system do not agree.

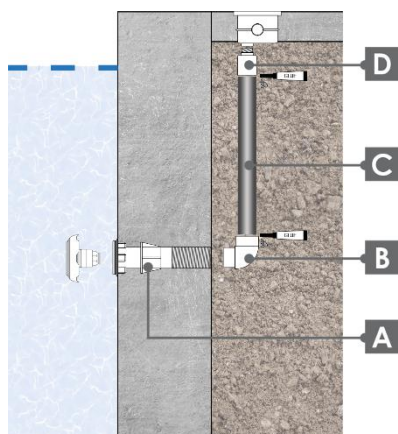
The wall loop will be connected to a junction box by means of a waterproof hose.

Wrap the rest of the cable in the junction box to allow future replacement of the projector out of the water.

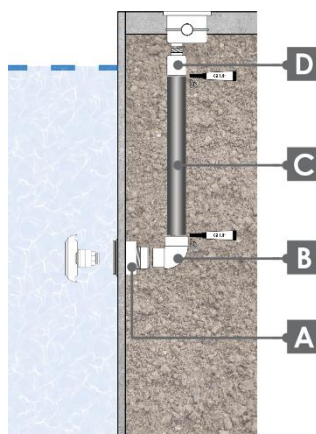


### Installation kit for mini led projector

- A. Suction nozzle
- B. 90 ° M / F elbow in PVC ø50mm
- C. 50mm flexible conduit
- D. Adapter ø50mm



Cod. 1070911



Cod. 1070912



Cod. 1070065



Cod. 1070206

Cod	Description
<b>1070911</b>	Flat and mini projector installation kit for c.a./liner
<b>1070912</b>	Flat and mini projector installation kit for panels
<b>1070065</b>	Wall loop for liner projector
<b>1070206</b>	Male closure with cable gland ø50 mm