DATA SHEET

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

FLAT PROJECTOR SERIE MT-4

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Flat Projector Features

✓ **RESISTANT**

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

✓ **EFFECTIVE**

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

✓ **ECONOMIC**

The light source made up of LEDs allows for numerous savings both for the user (energy savings) and for the professional, when building the swimming pool.
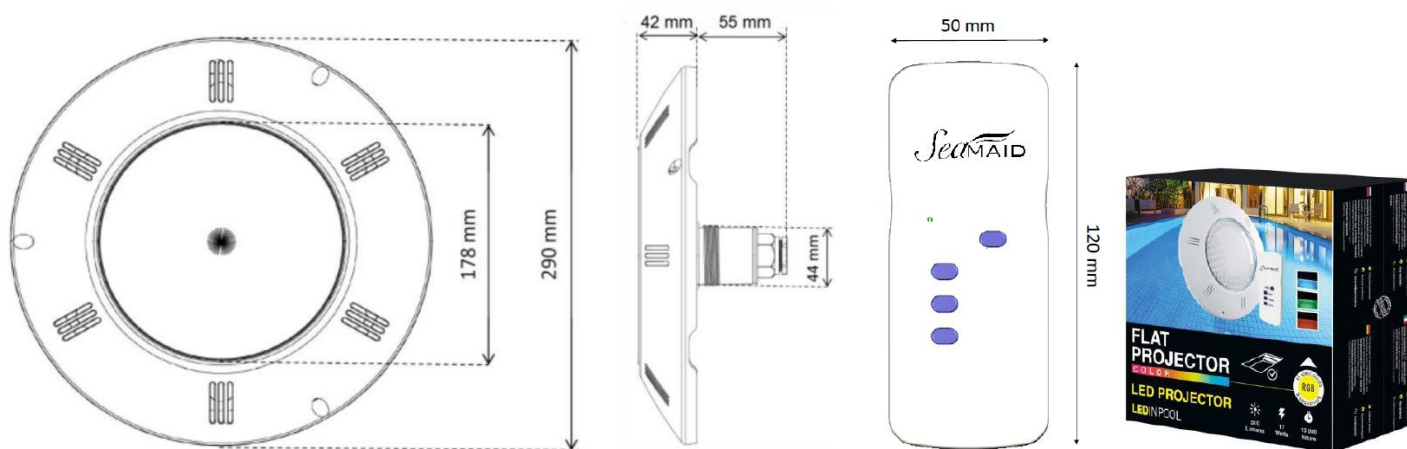
A cable with a 2x1.5 mm² section connected to a 50 W protected toroidal transformer is sufficient for the installation of a flat projector (economies of materials and labor).

✓ **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 (cod. 1070065) and screw the flat projector by hand.
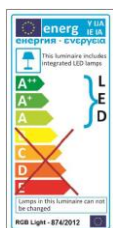
The power cable that passes through the nozzle must arrive at a junction box by means of an airtight sheath (power cable 2x1.5 mm²).
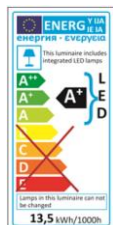
Flat projector sizes

Flat projector models

Code	Description
1070166	Flat led projector 90 RGB LEDs 16 W - 12 V ac with remote control

To create colorful environments in the water, this projector offers 11 fixed colors and 5 automatic programs. The exclusive optic ensures a harmonious blend of colors.

Memory of the last program used and Reset function.

Code	Description
1070169	Flat led projector 60 white LED 13.5 W - 12 V ac

Ideal for new installations, this projector allows you to illuminate a swimming pool up to 10 x 5 meters in a perfectly harmonious and not blinding way.
The ignition command is performed from the general electrical panel of the swimming pool.

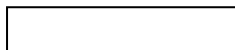Optionally, a radio switch can be installed on the 12VAC power supply between the projector and the transformer.

Colors range

RGB Lights
with 11 fix colors and 5 automatic programs

1070166	PAR56 LED headlight lamp - 90 RGB LED 16 W 12 Vac - with remote control

White light

1070169	PAR56 LED headlight lamp - 60 white LED 13.5 W 12 Vac

Colored krowns

1070229	Satin chromed crown
1070228	Anthracite gray crown
1070211	Light gray crown
1070227	Heavenly crown
1070226	Sand crown

Cod. 1070229
Corona cromata satinata
Mat metal crown

Cod. 1070228
Corona grigio antracite
Anthracyte grey crown

Cod. 1070211
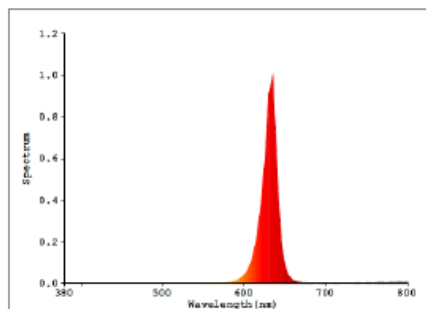Corona grigio chiaro
Light grey crown
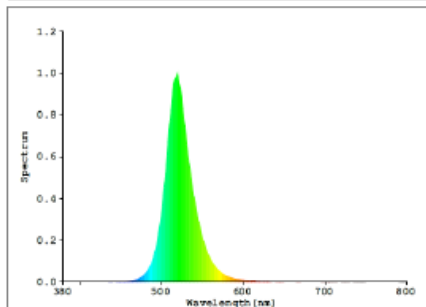
Cod. 1070227
Corona celeste
Light blue crown

Cod. 1070226
Corona sabbia
Sand crown

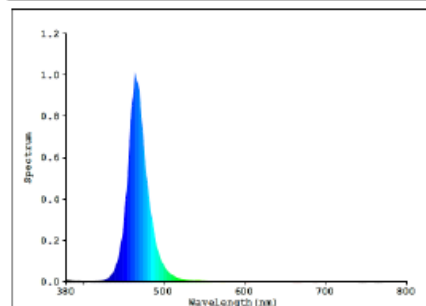## Technical features Flat Projector - cod. 1070166

FOTOMETRO : *(misure realizzate in laboratorio * misure effettuate in immersione)*
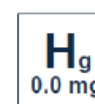
Temperatura del colore : Rosso 1000K
Ra (IRC) : 16,4
Angolo di diffusione : 120°
Flusso in lumens nominale : 112 lumens

Temperatura del colore : Verde 8000K
Ra (IRC) : 25,3
Angolo di diffusione : 120°
Flusso in lumens nominale : 320 lumens

Temperatura del colore : Blu 100000K
Ra (IRC) : 46,8
Angolo di diffusione : 120°
Flusso in lumens nominale : 80 lumens

PARAMETRI ELETTRICI :
Potenza : 16,50W
Potenza stabile >1h : 16,00W
Flusso luminoso nominale : 510 lumens
PF maxi : 0,70
Alimentazione minima [*(Pi /PF)+20%]* : 28VA
Tensione d'alimentazione : ~12V, 50/60Hz
Classe elettrica : III

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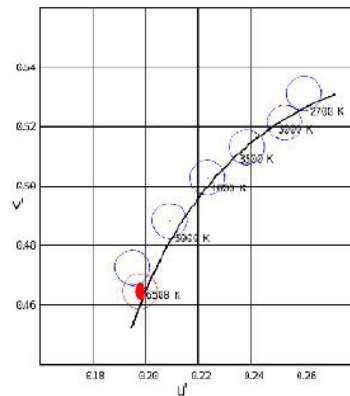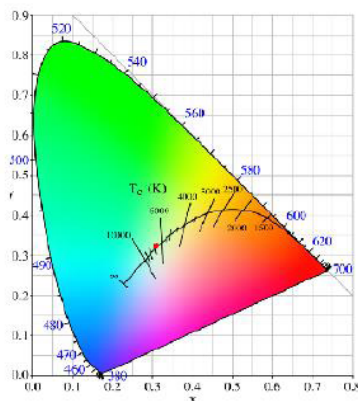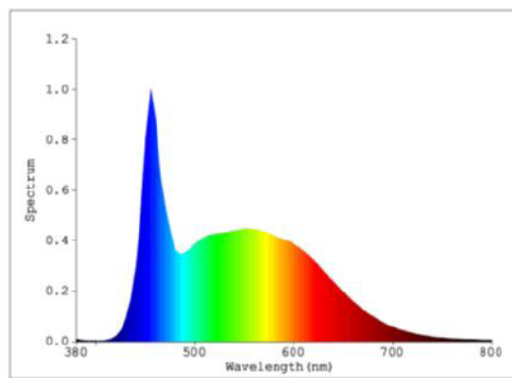Uso : immersione solo in acqua

The service life 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.

Technical features Flat Projector - cod. 1070169

FOTOMETRO :

Temperatura del colore : bianco freddo 6500K
Ra (IRC) : 86*
Angolo di diffusione : 120°
Flusso luminoso nominale : 1650 lumens*
Flusso luminoso utile (angolo 120°) : 1450 lumens*

PARAMETRI ELETTRICI
Potenza : 13,50W*
Potenza stabile >1h : 13,50W*
PF : 0,7
Alimentazione minima $[(Pi/PF)+20\%]$: 23VA
Tensione d'alimentazione: ~12V, 50/60Hz
Classe elettrica : III
Indice di efficienza energetica IEE : 0,14

ALTRI PARAMETRI :
Indice di protezione : IP68*
Durata della vita del LED : > 10 000h
Cicli di commutazione : > 100 000
Uso: immersione solo in acqua

The service life 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.

Raccomandation for the flat projector installation

These swimming pool floodlights must be powered by a transformer of at least 20% higher power than the total absorbed power.
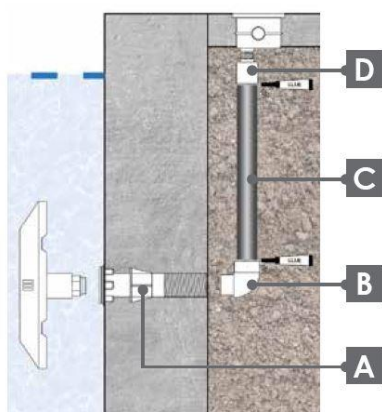
It is important to check the compatibility of the nozzle before final assembly. Certain models with a thread stop system do not agree.

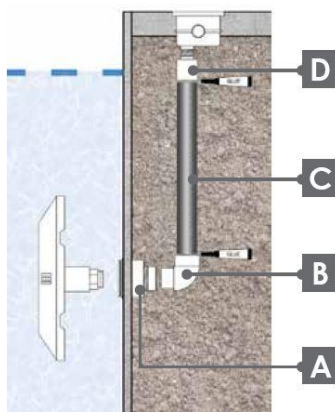The wall loop will be connected to a junction box by means of a waterproof hose.

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

Installation kit for flat led projector

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

Cod. 1070911

Cod. 1070912

Cod. 1070065

Cod. 1070206

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