DATA SHEET

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

UNIVERSAL LAMP PAR 56 SERIE MT-4

Lamp Features PAR 56

✓ **PROOF**

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

The two screw terminals embedded in the plastic material ensure great solidity in the connection of the 12 V AC power cable.
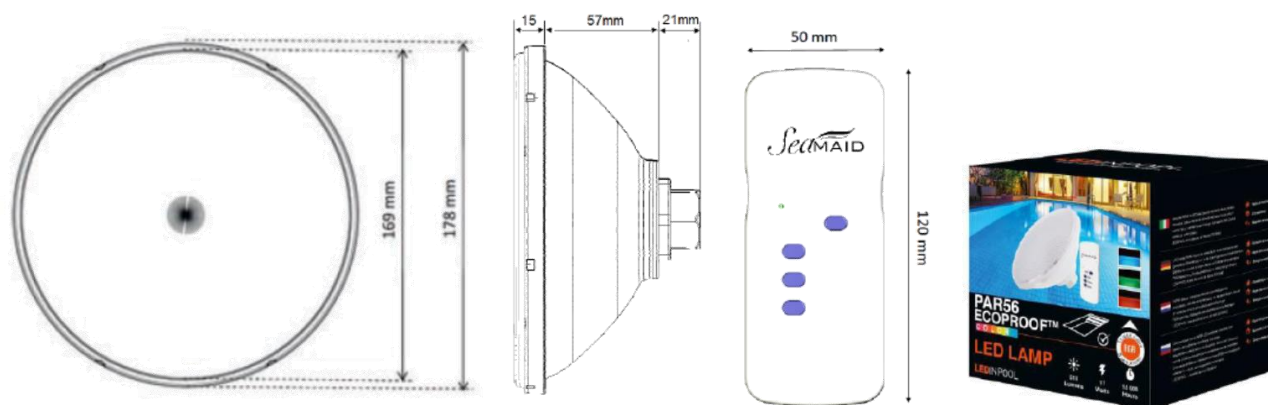
✓ **EFFECTIVE**

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.
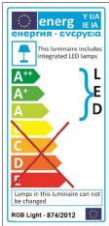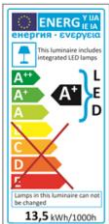
✓ **ECONOMIC**

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

A cable with a 2x1.5 mm^2 section connected to a 50 W protected toroidal transformer is sufficient for the installation of a flat projector (economies of materials and labor

Lamp sizes PAR 56 – cod. 1070165 e 1070152

Lamp models PAR 56 – with support connector

Code	Description
1070165	Led headlight lamp PAR56 - 90 LED RGB 16 W 12 Vac – with remote control

Ideal for replacing the 300W incandescent lamp, this lamp allows you to illuminate a swimming pool up to 10 x 5 meters in a perfectly harmonious and not blinding way. The command is carried out by radio frequency remote control which ensures perfect connection and synchronization. The first time it is used, the remote control must be configured with the lamp (s) installed in the pool

Code	Description
1070152	Led headlight lamp PAR56 - 60 LED white colour 13,5 W 12 Vac

Ideal for replacing the 300W incandescent lamp, this lamp 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.

Lamp sizes PAR 56 – cod. 1070157 e 1070156
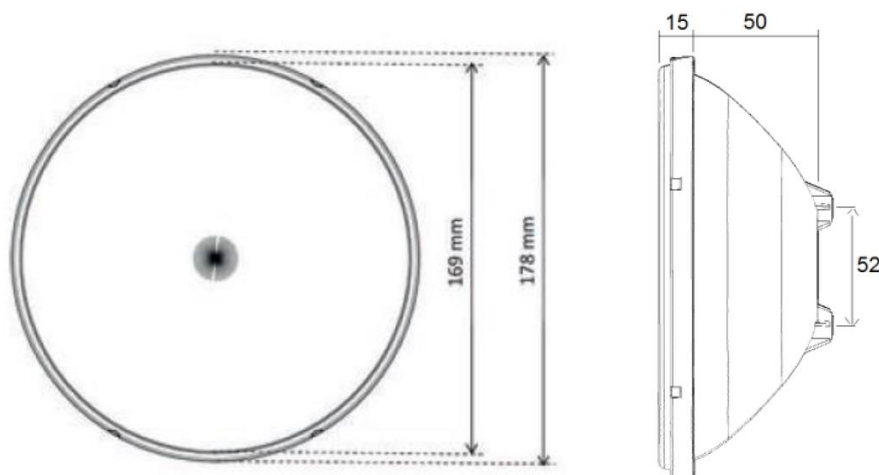
Lamp Models PAR 56

Code	Description
1070157	Led headlight lamp PAR56 - 90 LED RGB 16 W 12 Vac – with remote control
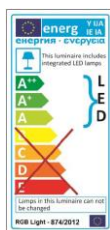
Ideal for replacing the 300W incandescent lamp, this lamp allows you to illuminate a swimming pool up to 10 x 5 meters in a perfectly harmonious and not blinding way. The command is carried out by radio frequency remote control which ensures perfect connection and synchronization. The first time it is used, the remote control must be configured with the lamp (s) installed in the pool

1070156	Led headlight lamp PAR56 - 60 LED white colour 13,5 W 12 Vac

Ideal for replacing the 300W incandescent lamp, this lamp 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.
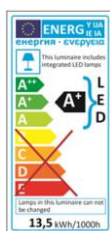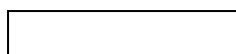
Color range

RGB light
with 11 fix colors and 5 automatic programs

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1070165	Led headlight lamp PAR56 - 90 LED RGB 16 W 12 Vac – with remote control
1070157	Led headlight lamp PAR56 - 90 LED RGB 16 W 12 Vac – with remote control

Luce bianca

1070152	Led headlight lamp PAR56 - 60 LED white color 13,5 W 12 Vac
1070156	Led headlight lamp PAR56 - 60 LED white color 13,5 W 12 Vac

Lamp technical features PAR 56 – cod. 1070165 e 1070157

FOTOMETRO : *(misure realizzate in laboratorio * misure effettuate in immersione)*
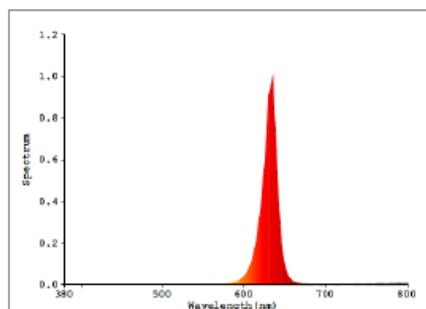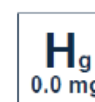
Temperatura del colore : Rosso 1000K
Ra (IRC) : 16,4
Angolo di diffusione : 120°
Flusso in lumens nominale : 112 lumens
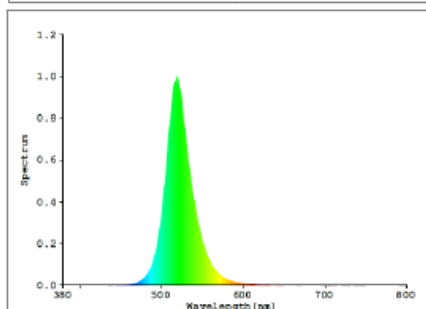
Temperatura del colore : Verde 8000K
Ra (IRC) : 25,3
Angolo di diffusione : 120°
Flusso in lumens nominale : 320 lumens
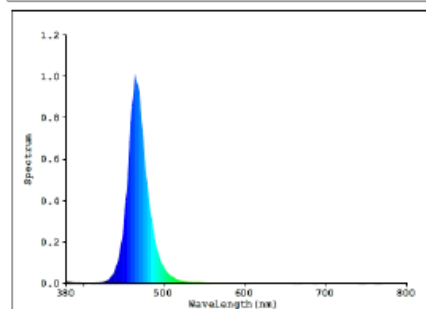
Temperatura del colore : Blu 100000K
Ra (IRC) : 46,8
Angolo di diffusione : 120°
Flusso in lumens nominale : 80 lumens
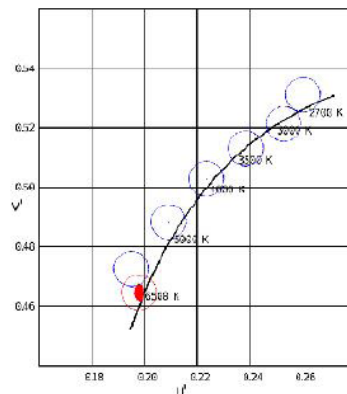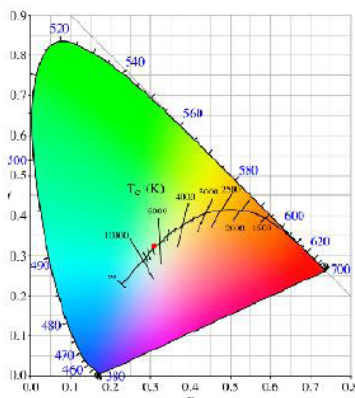
PARAMETRI ELETTRICI :
Potenza : 16,50W
Potenza stabile >1h : 16,00W
Flusso luminoso nominale : 510 lumens
PF maxi : 0,70
Alimentazione minima [(Pi /PF)+20%] : 28VA
Tensione d'alimentazione : ~12V, 50/60Hz
Classe elettrica : III

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.

lamp technical features PAR 56 – cod. 1070152 e 1070156

FOTOMETRO : *(misure realizzate in laboratorio * misure effettuate in immersione)*
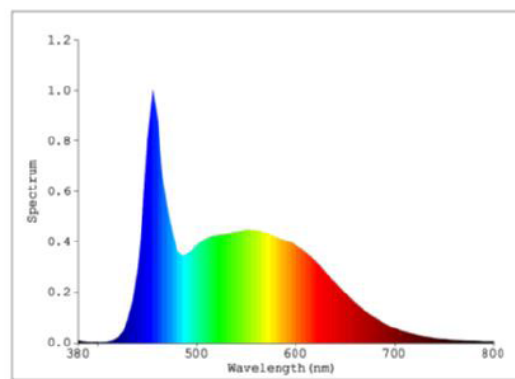
Temperatura del colore : bianco freddo 6500K
Ra (IRC) : 86*
Angolo di diffusione : 120°
Flusso luminoso nominale : 1650 lumens*
Flusso luminoso utile (angolo 120°) : 1450 lumens*

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.

Recommendations for installing the PAR 56 lamp

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

Upon assembly, it is necessary to lubricate the rear part of the lamp to allow the bell to be fixed more easily and to change the latter if already used.

To be synchronized manually On / Off, the color lamps must be connected to the same power supply.

Lamp installation PAR 56 – with proof socket

1- First of all, disconnect the ∼ 12 V power supply that comes from the isolation and safety transformer.

2- Remove the existing projector immersed in the pool from the niche, place it on the edge protecting the front of the lamp.

3- Dry the projector and the cable with a rag

4- Unscrew the cable press to release the power cable.

5- Unscrew the screws that hold the bell for the watertight seal.

6- Disconnect the cable and withdraw the old lamp.

7- Replace the joint that head overheated

8- Install the new lamp taking care to lubricate the back of the lamp in contact with the joint (Silicone, soap, etc ...).

9- Connect the power cable

10- Tighten the bell for the watertight seal by tightening the screws 2 by 2 (opposite) in order to distribute the pressure on the lamp

11- Tighten the cable press

12- Reposition the projector in the niche by winding the cable on the back of the bell..

13- Restore the power, the lamp light up

Options: it's possible to install the radio control box with remote control (1070181 o 1070182) for synchronizing multiple projectors

Code	Description
1070181	channel radio control box - up to 6 projectors
1070182	channel radio control box - up to 12 projectors

Note

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