

POVLAMPS®

THE WORLD FIRST 3D PENDANT LED LIGHT

POVLAMP® is an interactive ceiling lamp (patent pending), that is able to create a **3D-lampshade** in the air. Four remotely controlled lightguide profiles are set in motion by a brushless motor.

With the rotation speed, the lightguide profiles create a three dimensional projection of a lampshade. This effect is based on the principle of the **inertia of the human eye** (Phi-Effect, POV-Persistence of vision).

In rooms where design, image cultivation and love for detail plays an important role, **POVLAMP®** is the right choice for you. With the countless form and color possibilities of the **POVLAMP®**, living and working spaces can be uniquely illuminated.

www.povlamps.com

ndesign
factory®





TECNICAL DATA POV LAMP: (provisional datasheet)

DESCRIPTION:

LED PENDANT CEILING LAMP with 3D POV Lampshade

INPUT VOLTAGE	115V / 230V
POWER CONSUMPTION	35-40W (with power LED 2500 lumen) 45-50W (with power LED 4000 lumen)
DIMENSION LAMP HOUSING	height: 26.5cm, diameter: 10cm
DIMENSION LAMPSHADE	depending on the model (diameter lampshade: 25cm, 30cm, 45cm)
MATERIAL	lamp housing: aluminium coated "black matte" lightguides : acrylic glass "Endlighten"
DISTANCE FLOOR TO LAMPSHADE	min. 2.3m
APPLICATION AREA	stores, showrooms, galleries, public space, bars&clubs.
PRODUCTION	Made in SWISS, Zürich
PATENT	YES, pending

POWER LED LIGHT (functional light source)

LUMINOUS FLUX	2000lm, 2500lm, 4000lm
COLOR TEMPERATURE	2700K, 3000K, 4000K, 5000K, 6000K
LED LIFETIME	>50'000h
COLOR RENDERING INDEX	CRI min. 80 / 90, dependent from LED model. OSRAM Soleriq 'Brilliant Color' for professional lighting applications. (e.g. store/showroom lighting).
DIMMABLE	0...100% controllable by smartphone
TIMER	programmable by smartphone
BEAM ANGLE	38°, 60°, 120°

SELF-COOLING PROCESS

Auto-cooling through the air flux generated by the 3D rotating lampshade.
Temperature of the Power LED (during operation): 50-60 degree max.
(max. efficiency and LED lifetime guaranteed)



App controlled



Multicolor
Lampshade



Brightness
control



MADE IN SWITZERLAND



3D RGB POV Lampshade (ambient light source)
(patent pending)

POWER CONSUMPTION

Max 10W RGB

COLORS LAMP SHADE

16 M. RGB colors, programmable by color wheel

DIMMABLE

0...100% controllable by smartphone

TIMER

programmable by smartphone

3D LAMP SHADE SHAPES

Interchangeable lightguides geometries (different 3D lampshade-shapes)

BRUSHLESS MOTOR

BLDC Motor Ultrasilent (lifetime >100'000h), high-quality ball-bearings, automatic ON/OFF function.

AIR CIRCULATION

Allows optimally cooling of the lamp housing for extremely long lifetime.

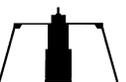
More info: www.povlamps.com





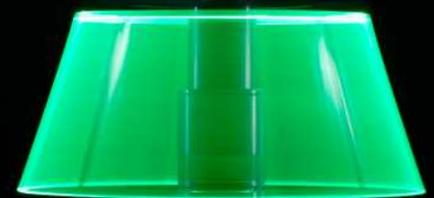
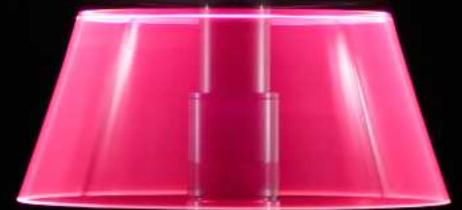
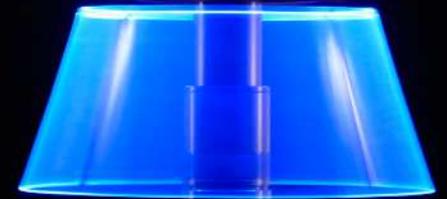
WHAT HAPPENS WHEN YOU TRY TO ROTATE YOUR IDEAS?

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POVLAMPS® ENSURES ALWAYS AN WOW-EFFECT!

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ONE LAMP, TWO INDEPENDENT LIGHT SOURCES

(from the press release)

The functional light source has a quality high-power LED with a lifetime of over 50.000 hours. Depending on the model of the lamp the luminous flux of the Power LED light source can vary from 2000 lumen to 4000 lumen.

According to the selected application you can also choose optics/ lenses with different angles, to change the light beam emitted by the Power LED light. The first option with narrow-angle lenses allows you to direct the light towards one spot, ideal for showrooms and galleries where the attention must be focused on single objects, while the second option features a broader homogeneous light that illuminates the whole area (ie. café, house) thanks to its wide-angle lenses.

The **3D POV Lampshade** instead is not just a decorative light source but is also specifically designed to allow the lamp to self-cool itself using the circulation of air that is generated.

The **air flow** generated by the motor inside the lamp allows to export the heat emitted from the Power LED. In this way the lifespan of the power LED increases significantly and the maximum efficiency of the LEDs is ensured.

On the other hand, the rotation of the 4 external blades/arms of the lampshade generates a circulation of air in space comparable to a ceiling mini-fan.

Basically we can say that **POVLAMP®** is the first lamp that uses its own cooling process to generate an optical effect that acts as a source of lighting, which is the fundamental element of its own aesthetic form.

Example of use in a fashion-store

The store experience, for customers, starts outside – before actually stepping inside the shop – so it's important to create a full engaging experience starting from the windows and shop façade.

POVLAMP® can be able to turn any passerby into a shopper. By placing the **POVLAMP®** in any store during the day you can activate the functional light and the 3D Lampshade (ambient light), while during the night, via the app, you can program the timer function that only activates the 3D lampshade.

This draws attention from outside, attracting and engaging people who walk by and stop to observe the 3D shades projected in the air through the shop windows. This innovative solution, for example, is perfect for shop-owners and retailers who want to attract more customers in their store. With the **POVLAMP®** you can now transform your store into an interesting destination even after closing time.



only PWR LED "ON"

only Lampshade "ON"

Lampshade + PWR LED "ON"

**NO,
I'M NOT AN
OBJECTIVE!**



POVLAMPS® MEANS HIGH-QUALITY MANUFACTURING

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