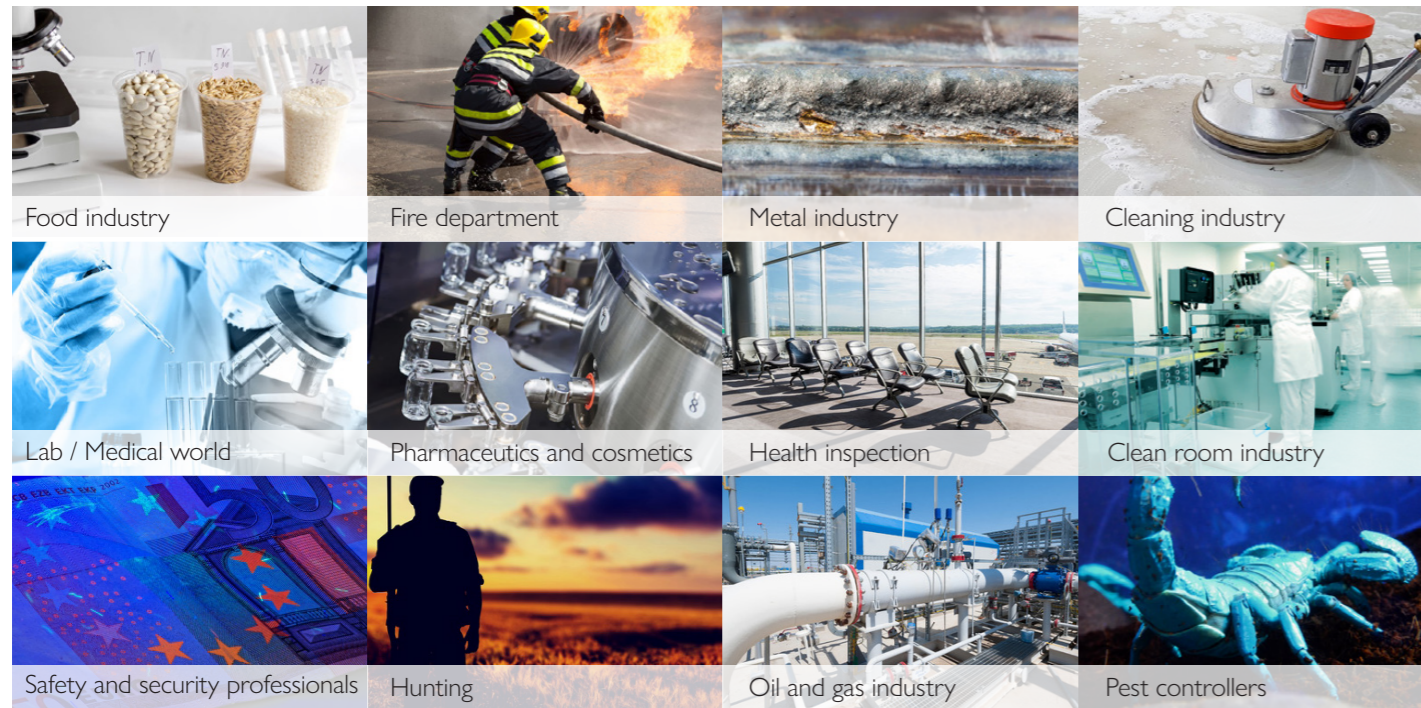


UV flashlights are available for following applications



Technical specifications

LAMP	DUAL II POWERLIGHT	PDL II POWERLIGHT
LED Type(s)	1x 5 watt UV-A and 1x 300 lumen white	5x 5 watt UV-A and 1x 300 lumen white
White light	Yes	Yes
UV-A light	Yes	Yes
UV-A light emission	365 nm	365 nm
Emission of visible blue	No	No
Lifetime LED	20.000 hours	20.000 hours
Material housing	Aluminium	Aluminium
Scratch proof	Yes	Yes
Light modi	4 settings	3 settings
Anti-roll design	Yes	Yes
Night reflector	Yes	No
IP level	IP67	IP67
Drop test proof	Yes	Yes
Battery type	1x 18650 - 3.7 V	1x 18650 - 7.4 V
Make battery	Panasonic	Panasonic
Type	Li-ion	Li-ion
Supplied with table charger	Yes (1000mAh)	By means of built-in induction charger (1500mAh)
Car charger in set	Yes	No
Holster in set	Yes	No
Lanyard	Yes	No
Operational time	4 to 5 hours	2 to 3 hours
Guarantee	2 Year (on electrical performance)	2 Year (on electrical performance)
Color	Black	Black
Electrical specs	100-240 V ~ 50-60 Hz - 2 pin EU plug	100-240 V ~ 50-60 Hz - 2 pin EU plug
Additional in scope of supply	Safety glasses / spare battery / UV-A meter	Lens cap, wall / table holder Safety glasses / spare battery / UV-A meter
Opt. available accessories	CE / ISO 9001 / IEC 60598-2	CE / ISO 9001 / IEC 60598-2
Norm		

Suitable for
Grade 2 and
Grade 4
cleaning

* Operational hours given are based on:
• 2 hours use in white led position and
• 1 hour use in UV position.



ALCOCHEM
HYGIENE



POWERLIGHT PDL-II
Suitable for Grade 2 and Grade 4 cleaning

POWERLIGHT DUAL II



UV POWERLIGHTS
Flashlights for professional use

What should a good UV flashlight consist of?



Lots and lots of UV-A light!

The most important task of the UV flashlight is to actually emit this ultra-violet light, and with a light strength that allows the user to perform the task, even in bright daylight conditions. And with the ultraviolet light we mean ofcourse the UV-A light. UV-A LED's have been on the market for only a few years now and are still expensive. As UV-A light is not visible to the human eye, the user is not able to determine without a measurement device if the flashlight actually emits this desired UV-A light.

Many manufacturing companies use this fact to use inferior - but cheap- blue LED's in their flashlight, which emit little or no UV-A light. Instead these flashlights emit the visible color violet and blue. The result is that the object that should glow up under influence of UV-A light now stay hidden to the flashlight and the human eye. And with this non-performance comes the mistrust in this technology. The UV flashlights produced by us are equipped with the strongest UV-A LED's available to the market. And they emit true UV-A light, with its emission peak



around 365 nm. This wavelength has proven to be the best UV-A wavelength to visualise a wide variety of items: from blood spatters to particles and from chemical residues to aflatoxin. It is also important to know that our flashlights emit no visible light, which often visualise items, which are not important. As a result they distract the observation from

the operator. For this reason some industries use a standard where the light distribution from a UV flashlight, does not allow any visible light.

Robust design

The flashlight is going to be used frequently and in a wide variety of environments: In darkness, in rain, in clean room areas etc. It has to be executed in a robust design, rain protection and it should be able to withstand an accidental drop.

Our housings are made from high grade aluminium, IP67 executed or higher (hose proof execution) and drop test proof! And not only because we say so, but because our accredited laboratory has tested these according the relevant standards – and approved these flashlights.

Supplying energy

Our flashlights are equipped with powerful UV-A LED's and all this energy they consume has to come from somewhere. As energy source we made no compromises and have chosen for the best batteries available: The Panasonic Lithium Ion rechargeable 18650 batteries. These batteries have received global recognition for being the industrial norm in term of reliability and their environmental friendliness.

A word on the safety aspects

Our flashlights emit only the harmless UV-A light, even with intensive use of our flashlight, there is never any danger for the user.

Only direct eye contact with the UV light should be avoided. If the application for which the UV-A flashlight is used does involve some risk of supposed eye contact, then we recommend the use of safety glasses. *These are optionally available.*

Which flashlight is best suited for which task?

The flashlights are designed to meet the high demands from professionals, who are looking for a high quality tool. Our UV flashlights can be used for a wide variety of different tasks. The table below provides you the best variety:

DUAL II POWERLIGHT

User friendly flashlight, used for UV-A visualisation as well as regular white light flashlight. Recommended for intense use by professionals

Pest controllers, cleaning technicians, health inspectors, lab staff, metal industry.



PDL II POWERLIGHT

The strongest U-A LED flashlight in the world. Suited for those applications / users were the user simply needs the highest amount of UV-A light to visualise.

Dust detection, aflatoxin on dried food & fruits, cleanroom areas, welding inspections.

