

UV-TECHNOLOGY

UV LEDs | UV Modules

and other system components









Neumüller

Who we are ...

For almost 70 years, we have been one of the leading design-in distributors for electronic components and systems. At five locations in Germany with a total of 65 employees.







Berlin, Dortmund, Munich

... and what we do

As a traditional and family-owned company, we work exclusively with renowned and leading manufacturers. Our focus is on individual consulting as well as solutions and custom-fit products for our customers. Because only when our customers are 100% satisfied we have done a good job.



seit 1952 am Markt

You can also find us here













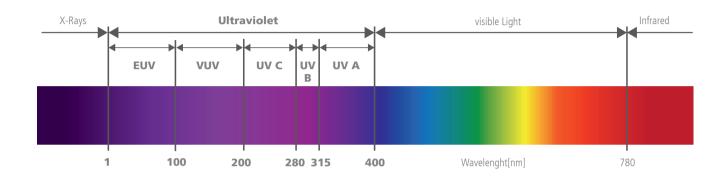
UV Basics

Ultraviolet Radiation

Ultraviolet radiation (UV) is part of our environment and is generated by the sun. The UV radiation or the UV light, applied in certain wavelengths, has effects on humans and the environment, it offers an enrichment and improvement of the quality of life. The natural ultraviolet radiation can be reproduced by innovative LED technologies and environmentally friendly.

	_	
EUV*	(Extrem UV)	10 – 100nm
VUV*	(Vakuum UV)	100 – 200nm
UV-C	(UV-C radiation)	200 – 280nm
UV-B	(UV-B radiation)	280 – 315nm
UV-A	(UV-A radiation)	315 – 400nm/420nm

^{*} EUV and VUV only spreads under vacuum



Applications

At the beginning of the 20th century, there were only a manageable number of UV applications. Today, UV technology has found its way into many areas such as industry and consumer end-uses. In the following you will get an overview of the established and standardized UV application areas:



Sun simulation UV-A, -B



Analysis & Sensors UV-A, -B, -C



Photochemistry UV-A, -B, -C



Deodorization UV-A



Light therapy UV-A, -B







Fluorescence UV-A, -B, -C



Oxidation UV-A



Bonding | Curing | Drying



UV-A



Research UV-A, -B, -C



Horticulture UV-A, -B



Disinfection | Sterilization UV-C

UV-LED Manufacturer

Brief introduction Seoul Semiconductor | Seoul Viosys | SETi

Seoul Semiconductor (SSC) is one of the world's leading LED manufacturers and, according to the latest market report, number 4 in the international LED market. SSC produces a wide range of different LED technologies and offers special technologies such as nPola and Acrich.

With more than 10,000 patents worldwide, SSC secures its technological lead. SSC is the reliable partner for LED applications in automotive, general lighting, signal and backlight applications.

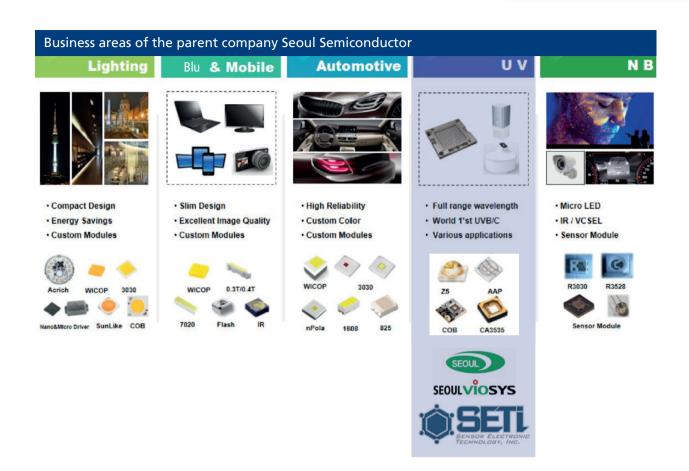
Seoul Viosys is one of the leading manufacturers of UV LEDs, UV sensors and UV modules. The UV LEDs are available in the UV-A, UV-B and UV-C range (275nm - 405nm) and in Z5, CA3535, AAP, 3030, 3528 and TO-39 packages.

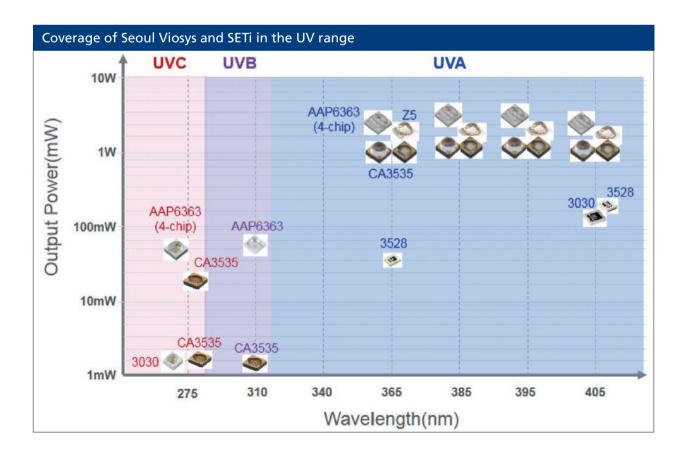
SETi's focus is particularly on the low wavelengths <365nm. SETi develops, manufactures and sells UV LED products under the UVTOP® brand as well as customized LED products and solutions under the UVCLEAN® brand.













Near UV | Wavelength: 365nm - 420nm | Photon energy: 3.15 - 3.94 eV

UV-A (near UV) penetrates glass and transparent polymers, it is also colloquially called "black light". Possible applications of the UV-A LED are in particular the curing of inks, coatings, varnishes and adhesives, as well as light therapy (e.g., for the medical treatment of depression). In addition, UV LEDs of the UV-A spectrum are also used for checking the authenticity of banknotes, documents and forensic purposes.











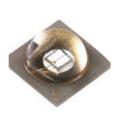


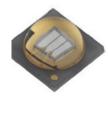










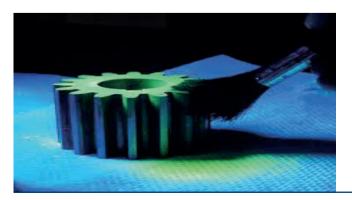


Z5 (3535)

Dimensions: 3,5mm x 3,5mm x 2,0mm Very high optical radiation efficiency Excellent efficiency (≥50%)

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUN66A1B	365		3.6		1000	
CUN86A1B	385	Silicone			1200	120
CUN96A1B	395		3.5	500	1250	
CUN06A1B	405		3.3		1160	
CUN26A1B	420				1000	
CUN66A1G	365	Dome	3.7		1850	
CUN86A1G	385		3.6	1000	2150	
CUN96A1G	395		2.5	1000	2100	
CUN06A1G	405		3.5		2050	
CUN66A1F	367		3.6	420	250	

Typical applications: UV curing printing | coating | photocatalyst | counterfeit detection/security | Fluorescence analysis | Material testing



The luminescence of a substance after exposure to energy is summarized under the term luminescence excitation.

A subarea of luminescence excitation is the irradiation of substances with UV light. If the substance only glows during the irradiation, it is called UV fluorescence excitation. If the glow lasts beyond this time, it is is also referred to as phosphorescence.



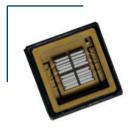


Z5N (3535)

Dimensions: 3,5mm x 3,5mm x 2,8mm Narrow Beam angle 45° bzw. 65° Excellent efficiency (≥50%)

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUN66B1B	365		3.6		1,000	
CUN86B1B	385			500	1,200	
CUN96B1B	395	Ciliaana	3.5		1,250	45
CUN06B1B	405				1,160	
CUN26B1B	420	Silicone Dome			1,000	
CUN66B1G	365	"Narrow"	3.7		1,850	
CUN86B1G	385		3.6		2,150	65
CUN96B1G	395		3.5	1.000	2,100	
CUN06B1G	405				2,050	

Typical applications: UV curing printing | coating | photocatalyst | counterfeit detection/security | Fluorescence analysis | Material testing



CA6868

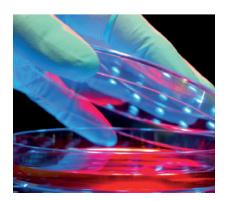
Dimensions: 6.8 mm x 6.8 mm x 1.0 mm Up to 7W optical radiation power Low thermal resistance

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUN6HF4A	365	Glas "Flat"	3.7	3.000	4.300	115
CUN9HF4A	395		3.5		5.300	

Typical applications: UV curing printing | coating | photocatalyst | counterfeit detection/security | Fluorescence analysis | Material testing









CA3535

Dimensions: 3.5mm x 3.5mm x 1.1mm

Low thermal resistance

Very high optical radiation power

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUN4GF1B	345		1.4	250	40	120
CUN6GF1A	365	-	3.7	1.000	1,400	- 115
CUN8GF1A	385	Glas "Flat"	3.6		1,650	
CUN9GF1A	395		3.5		1,700	
CUN0GF1A	405		3.6		1,600	

Typical applications: UV curing printing | coating | photocatalyst | counterfeit detection/security | Fluorescence analysis | Material testing



CA3535N

Dimensions: 3.5mm x 3.5mm x 2.5mm Narrow radiation angle of approx. 60° Low thermal resistance

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUN6GB1A	365	Glas Dome	3.7	1.000	1,400	62,5
CUN8GB1A	385		3.6		1,650	
CUN9GB1A	395		3.6		1,700	
CUN0GB1A	405		3.4		1,630	

Typical applications: UV curing printing | coating | photocatalyst | counterfeit detection/security | Fluorescence analysis | Material testing



3528

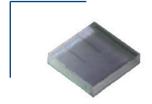
Dimensions: 3,5mm x 2,8mm x 0,7mm

Mid-Power UV-A

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUN6LF1C	365	Silicone	3.6	50	40	120

Typical applications: UV curing printing | coating | photocatalyst | counterfeit detection/security | Fluorescence analysis | Material testing



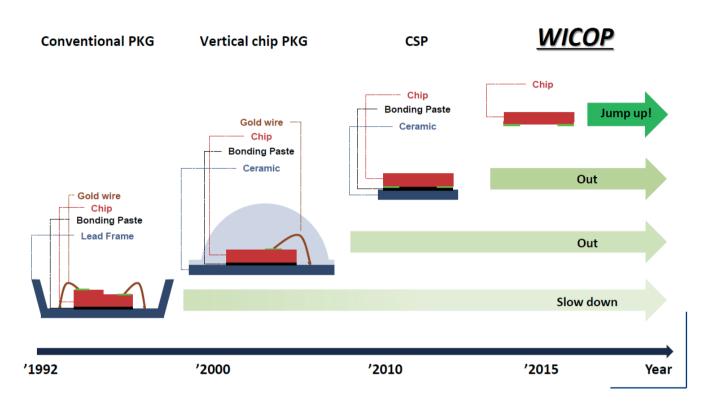


WICOP

Dimensions: 1.1mm x 1.1mm x 0.25mm

Highest design flexibility

No package, solderable directly to board, lowest Rth values



Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
NM-V1111-EB-405	405	without	3.4	500	900	140

Typical applications: UV curing printing | coating | photocatalyst



PCF Products

Ceramic honeycombs with titanium dioxide coating for photocatalysis applications with UV-A LED

Part No.	PCF0F5010T	PCF333308T	PCF5555410TC	PCF752508T	PCF100408T
Dimensions [B x L x H] [Ø x H]	Ø50 x 10	33 x 33 x 8	55 x 55 x 10	75 x 25 x 8	100 x 40 x 8



Near UV | Wavelength: 280nm - 340nm | Photon energy: 3.94 - 4.43 eV

UV-B (medium UV) influences the human body and is used, for example, in phototherapy (dermatological treatment of skin diseases) and promotes the formation of Vitamin D in the human body.

Another field of application is the irradiation of plants. Here, UV radiation of very specific wavelengths contributes to a better development of the plant and to an increase in yields.















AAP63

Dimensions: 6.3mm x 6.3mm x 1.4mm Durable aluminum housing Low thermal resistance

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUD1AF4D	310	Glas "Flat"	5.5	600	30	118

Typical applications: Fluorescence spectroscopy | Horticulture | Dermatology | Vitamin D production



TO39

Dimensions: TO-Can 9Ø Series Hermetically sealed in a metal Glass welded housing sealed

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
TUD19B1B		Ball	6.0	30	0.6	7
TUD19H1B	310	Dome			0.5	7
TUD19F1B		"Flat"			0.7	120
TUD49H1A	340	Dome	3.8	20	1.5	5.1
TUD49F1A		"Flat"		20	2.5	120

Typical applications: Horticulture | Sensors | Biochemical analysis | UV curing





CA3535

Dimensions: 3.5mm x 3.5mm x 1.1mm

Low thermal resistance

Very high optical radiation power

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUD1GF1A	310	Glas "Flat"	6.0	150	7	120

Typical applications: Fluorescence spectroscopy | Horticulture | Dermatology | Vitamin D production



The forward-looking technology of vertical farming, also known as indoor farming, can reduce dependence on export nations and create jobs in the country.

The pioneer of vertical farming is Japan, where the first vertical farm using LED lighting has been in operation in a 2,300m² factory building for almost two years.

Now, blue and red LEDs are still increasingly used, but it has now become clear that UV rays have a positive effect on plant growth.





Far UV | Wavelength: 255nm - 280nm | Photon energy: 4.43 - 12.4 eV

UV-C (far UV) is very short-wave and high-energy and is used for air and water disinfection in, among other things in medical and other areas requiring special protection against germs and bacteria, used.

UV-C light effectively destroys the DNA of microorganisms and is strongly bactericidal. UV-C light with wavelengths below 100nm is called extreme ultraviolet (EUV, XUV).















AAP63

Dimensions: 6,3mm x 6,3mm x 1,4mm Langlebiges Aluminiumgehäuse Geringer thermischer Widerstand

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]	
CUD8AF1C	275	Glas "Flat"	5.6	30	3.3	120	
CUD8AF4D	2/3	Glas Flat	5.9	600	60	120	

Typical applications: Germ reduction / disinfection | Fluorescence spectroscopy | Chemical and biology Analysis



CA3535

Dimensions: 3.5mm x 3.5mm x 1.1mm Low thermal resistance

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUD7GF1A	275		5.6	30	3	
CUD7GF1B	275	Glas "Flat"	6.5	100	11.5	120
CUD7GF2B	275		7.3	350	30	

Typical applications: Germ reduction / disinfection | Fluorescence spectroscopy | Chemical and biology Analysis





5050

Dimensions: 5.0mm x 5.0mm x 1.1mm Low thermal resistance

Very high optical radiation power

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUD73F4A	275	Clas "Flat"	12	200	65	125
CUD73F4A/100	275	Glas "Flat"	12	300	100	125

Typical applications: Germ reduction / disinfection | Fluorescence spectroscopy | Chemical and biology Analysis



C3535

Dimensions: 3.50mm x 3.50mm x 1.1mm

Low thermal resistance

Very high optical radiation power

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUD72F1C	275	Glas "Flat"	6.6	350	45	125

Typical applications: Germ reduction / disinfection | Fluorescence spectroscopy | Chemical and biology Analysis



3030

Dimensions: 3.5mm x 3.5mm x 1.1mm

Low thermal resistance

Very high optical radiation power

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg.]
CUD7QF1A	275	Silicone "Flat"	5.6	20	2	125

Typical applications: Germ reduction / disinfection | Fluorescence spectroscopy | Chemical and biology Analysis



Part No.	Wavelength [nm]	Dimensions [mm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]
CMD-FSC-COGA	275	20 x 20		31	800	300
CMD-FBC-AR4A		199 x 15	none	12	200	40
CMD-T5C-CO1A		54 x Ø16		6	100	7.5
CMW-FCC-C01A		Ø		6,5	100	7
XMD-FBC-LLCA					450	207
XMD-FBC-LLOA	275	281 x 19.2	none	24	900	414
XMD-FBC-LLVA					1,800	828

Typical applications: Germ reduction / disinfection | Fluorescence spectroscopy | Chemical and biology Analysis



TO39

Dimensions: TO-Can 9Ø Series Hermetically sealed in a metal Glass welded housing sealed

Part No.	Wavelength [nm]	Lens	Vf typ. [V]	If typ. [mA]	Po typ. [mW]	Beam angle [deg]
TUD69B1B		Ball			0.7	7
TUD69H1B	265	Dome	6.0	30	0.6	7
TUD69F1B		"Flat"			0.8	120
TUD79B1B		Ball			0.9	7
TUD79H1B	275	Dome	6.0	30	0.6	7
TUD79F1B		"Flat"			1.0	120
TUD89B1B		Ball			0.8	7
TUD89H1B	285	Dome	6.0	30	0.7	7
TUD89F1B		"Flat"			0.9	120
TUD99B1B		Ball			0.6	7
TUD99H1B	295	Dome	6.0	30	0.5	7
TUD99F1B		"Flat"			0.8	120

Typical applications: Sensors | Fluorescence spectroscopy | Chemical and biology Analysis



Secondary optics and reflectors

The amount of light that UV LEDs generate can be bundled more effectively with the help of the right optics. This can lead to an increased radiation output on the desired area and reduce the time required for the exposure with the same dosage. By using different LED clusters with compatible lenses, the performance of the luminaire can be easily scaled for different purposes.

In the course of further developments, specifically for applications in the UV-C range - in contrast to quartz glass optics - specific silicone optics are already available as a standard.



NMO-VIOLETTA

CA3535 Flat | WICOP

Material: Silicone

Mounting: Stainless steel mounting frame, potting,

sealing in sandwich construction

Accessories: Mounting frame stainless steel NMO-VIOLETTA-FRAME

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-VIOLETTA-S	15	21.7 x 21.7 x 6.51	Single LED	UV-A UV-B	Voc
NMO-VIOLETTA-W	60	21.7 x 21.7 x 6.51	Single LED	UV-C	yes



NMO-JENNY

AAP6363 | CA6868 | 5050 | CA3535 Flat | WICOP

Material: Silicone

Mounting: Pin , Jenny-Y with Tape

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-JENNY-CY	104 (Batwing)	35 x 35 x 11.5			
NMO-JENNY-20	20	35 x 35 x 14.5	Ø 11mm LES	UV-A UV-B	200
NMO-JENNY-40	40	35 x 35 x 15	Ø HIIIII LES	UV-C	no
NMO-JENNY-60	60	35 x 35 x 13.4			



NMO-VIOLET

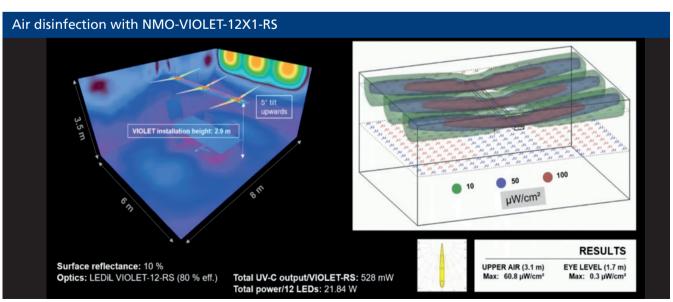
Specially designed for UV-C linear module XMD-FBC-LLxx **CA3535 Flat | WICOP**

Material: Silicone Mounting: Screws

Accessories: Mounting frame stainless steel NMO-VIOLET-12X1-FRAME

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-VIOLET-12X1-S	20			UV-A	
NMO-VIOLET-12X1-RS	10	294.8 x 41.6 x 8.8	Multi Array	UV-B	66 67
NMO-VIOLET-12X1-W	60			UV-C	











NMO-ROSE-UV

AAP6363 | CA6868 | 5050 | CA3535 Flat | Z5 (3535) | WICOP

Material: Silicone
Mounting: Pin or Tape

Accessories: Holder NMO-G2-ROSE-LT-HLD, Tape NMO-ROSE-TAPE

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-ROSE-UV-SS	14				
NMO-ROSE-UV-M	25	21.6 x 21.6 x 12.9	Single LED	UV-A UV-B	no
NMO-ROSE-UV- STELA-HB-WWW	40			Ov-5	



NMO-ZORYA-SC

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: Silicone

Mounting: Adhesive or metal ring

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-ZORYA-SC	75	Ø 56 x 26.7	Ø 24mm LES	UV-A UV-B UV-C	no



NMO-SAKURA-70

AAP6363 | CA6868 | 5050 | CA3535 Flat | WICOP

Material: Silicone

Mounting: Installation adapter NMO-SAKURA-ADAPTER-1

Part No.	Beam angle Typ. [°]	Housing size I x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-SAKURA-70-S	15				
NMO-SAKURA-70-M	25	Ø 70 x 33.3	Ø 22mm LES	UV-A	no
NMO-SAKURA-70-W	36				



NMO-STELLA

AAP6363 | CA6868 | 5050 | CA3535 Flat | WICOP

Material: Silicone Mounting: Screws

Accessories: Mounting ring NMO-STELLA-FRAME

für NMO-STELLA-HB

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-STELLA-HB	75	Ø 90 x 19.5		UV-A UV-B	
NMO-STELLA-FRESNEL	25	Ø 95 v 22	Ø 30mm LES	UV-A UV-B	yes
NMO-STELLA-HB-WWW	100	Ø 85 x 23		UV-C	







NMO-KESQ2145

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: Silicone Mounting: Tape

	Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
ug Mu	NMO-KESQ2145MESR	25			107.4	
O Deration MO-KESQ2145NASR NMO-KESQ2145NASR		8	21.6 x 21.6 x 12.9	Single LED	UV-A UV-B UV-C	no
O ii (9)	NMO-KESQ2145WISR	40				
no eld m	NMO-KESQ2145FC25SR	25 @ 7mm			107.4	
Operation in near field <100mm	NMO-KESQ2145FC50SR	50 @ 8mm	21.6 x 21.6 x 12.9	Single LED	UV-A UV-B UV-C	no
	NMO-KESQ2145FC100SR	100x25 @ 100mm				





NMO-PLL2056 | NMO-PLL2087

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: Silicone

Mounting: Aluminum Fixing Ring (NMO-KEL2056ALU) with screws

Part No.	Beam angle Typ. [°]	Housing size I x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-PLL2056SR77	60	Ø 85.1 x 24	23mm x 23mm LES	UV-A UV-B	
NMO-PLL2056SR99	45	Ø 85.1 x 35.3			l vos
NMO-PLL2056SR88	90	Ø 85.1 x 16.8		UV-C	yes
NMO-PLL2056SR88	25	Ø 85.1 x 33.8			



NMO-PLL2102

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: Silicone Mounting: Screws

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-PLL2102UWUV	117 x 140	172.98 x 71.38 x 36.07	500 mm x 30 mm LES	UV-A	yes





NMO-KESQ1169

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: Silicone Mounting: Tape

Part No.	Beam angle Typ. [°]	Housing size I x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-KESQ1169NAUV	12			UV-A	
NMO-KESQ1169WIUV	30	21.7 x 11.4	Single LED	UV-B	no
NMO-KESQ1169ELUV	19 x 54			UV-C	





NMO-PLL120002SR

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: Silicone Mounting: Screws

Part No.	Beam angle Typ. [°]	Housing size l x b (Ø) x h [mm]	Max. Cluster Size	Suitable for	IP protection
NMO-PLL210002SR	150	173 x 71.4 x 8.47	12 x Einzel LED	UV-A UV-B UV-C	yes



NMO-PPL2091

AAP6363 | CA6868 | 5050 | CA3535 Flat Z5 (3535) | Z5N (3535) | WICOP

Material: PMMA UV Mounting: Screws

Part No.	Beam angle Typ. [°]	Housing size $l \times b (\emptyset) \times h [mm]$	Max. Cluster Size	Suitable for	IP protection
NMO-PLL2091EWUV	27x100°				
NMO-PLL2091UWUV	84x100°	- 283 x 39.9 x 10.3	1S Linear 282mm	UV-A	no
NMO-PLL2091WIUV	54x100°				
NMO-PLL2091EWIPUV	27x100°				
NMO-PLL2091UWIPUV	84x100°				yes
NMO-PLL2091WIIPUV	54x100°				



Power supplies

for UV LED applications

Efficient LED power supplies at the highest level from well-known manufacturers. Our range includes constant current LED drivers, LED power supplies with constant voltage as well as LED power supplies that combine CV + CC. Whether programmable, dimmable, waterproof or with Dali, 6-800W: We provide you with the LED power supply that is precisely tailored to your requirements. Last but not least, we offer you controls and the right accessories for your LED power supply.





LED driver (NFC and intelligent)

- Working temperatures from -40 to +70°C
- High noise immunity
- Various dimming functions from DALI, 0-10V, PWM, Time and 3 in 1 with 12Vaux
- contactless NFC programmable
- Compensation of aging of LED modules through pre-programmable current increase (Constant Lumen Output)
- ENEC and UL



NFC programmable LED driver

- less heat generation, optimized assemblies
- UL and ENEC approvals
- DALI 2.0 certified
- very compact design
- comply with low voltage and EMC directives
- Engineering made in Europe





Flicker-free

- Compact design
- Flicker-free
- Desktop (3W-30W) and plug-in power supplies (10W-75W)
- GS, CE, EMC and ENEC certification
- With constant voltage 12V / 24V or as constant current device
- TRIAC and switch dimming function
- customized solutions
- Intelligent LED Driver (IoT)

UV LED system solutions

Customized solutions or design-in solutions

The same applies to our customers in the same way as no two people are alike. Every customer has their own ideas and criteria that are particularly important to him / her. To such demands We offer you customized UV applications based on your individual requirements. In the UV area in particular, solutions are often sought alongside the standard in order to optimize processes and to be one step ahead of the competition. Regardless of whether it is a matter of adapting a standard product or a completely new development, we support you from the idea to series production - everything is made in Germany.



Requirement analysis



(UV-)LED selection



System components



Layout & Concept



Prototype creation



Radiation measurement



Production



Completion

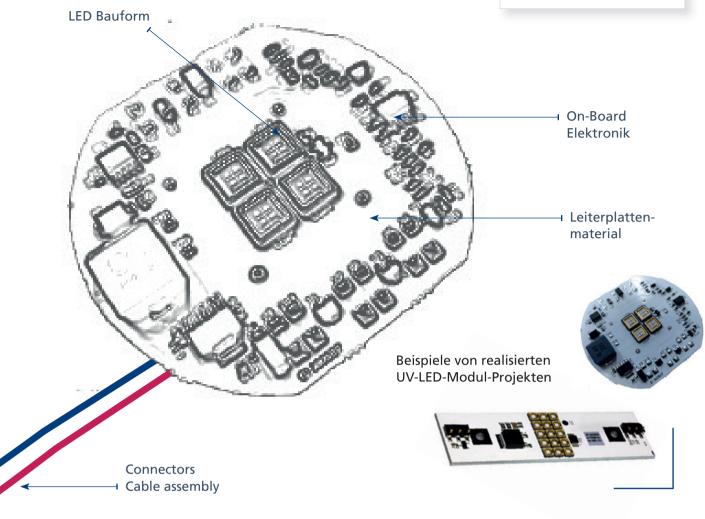
Customized according to your requirements.



- Wavelengths from 255nm 405nm
- Everything is tailored exactly to your requirements
- Samples and series production

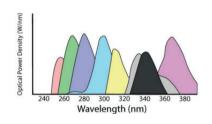
Power Supply





Customized solutions

Professional UV application development



Regardless of which wavelength ranges are required in your UV application, from UV to UV-Vis to UV-Vis-IR, all UV wavelengths are possible in one housing. The wave range can be determined individually.

Example: Spectroscopy



Multi-wavelength LEDs

Sensor Electronic Technology, Inc offers multi-wavelength (UV, UV-Vis & UV-Vis-IR) or Multichip LEDs, Transmitter and Receiver (Feedback Control LEDs) in the same package and much more...



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