




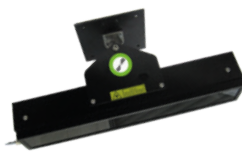
## NEXT GENERATION UV LED SOURCES

extra reliable for secure fluorescent inspection in NDT and Aerospace

# Features of our Different Handlamp Series

UVS SERIES	+	UVN SERIES	+	UVE SERIES
<b>BASIC FEATURES</b>		<b>ADVANCED FEATURES</b>		<b>PROFESSIONAL FEATURES</b>
				
Simple applications, like background illumination, washing or wetting check		Standard inspection applications		Security relevant inspection applications, where an unnoticed lamp failure is not an option
Developed for NDT		Wavelength and Performance Selected HighEnd UV LEDs		Electronic UV LED Monitoring that Automatically Shuts OFF the Lamp If a Single UV LED Element Fails
Robust and Lightweight Plastic Housing with Rubber Bumper	⇕	Adaption Time Signalization (1 Minute)	⇕	Eco-Mode (Auto Switch OFF When Not Used) For Enhanced Life-Time and Power Savings and Resumes Automatically when Picked-Up Again
Wearless Touch Switches	⇕	Integrated UV Pass Filter	⇕	Optional White Light with Stepless Soft Automatic Dimming (UV/VIS and UV+VIS)
Security Auto-Switch-Off @low Battery	additional features	LED Current Monitoring with Security Switch OFF when LED Current Drops More Than 2.5 %	additional features	Optional White Light with Stepless Soft Automatic Dimming (UV/VIS and UV+VIS)
Robust Exchangeable Protection Sheet		ASTM E-3022 Qualification and Cert		Pre-Warning For Low Battery
Monitored Fan Cooling		Enhanced Ambient Temperature Range		System Health Monitoring
Optical and Acoustical Signals		Temperature Controlled Fan (for silent operation)		Adaption Time Signalization Adjustable by the User (1, 3 or 5 Minutes)
Designed, Made and Qualified in Germany	⇕	Over-Temperature Pre-Warning	⇕	Coiled Retractable Power Cord
Overtemperature Switch-OFF	⇕	Enhanced Life-Time	⇕	User Customizable
Straight 2,5 m (8 ft.) Cord		Optional Aerospace Qualification Report	⇕	Haptical Vibration Signals
12 Month Warranty		Lightweight Easy to Handle and Move		Optional Foot Paddles for Hands-Free White Light Operation

Searching for larger handlamps, classic stationary or splashproof UV LED Blacklights?  
Click [www.uv-led-lamp.com](http://www.uv-led-lamp.com) or [www.uv-led-shop.com](http://www.uv-led-shop.com) for more information and products!



Professional UV-A LED Blacklights • Substantive Better Than Bulb-Based UV Lamps WITHOUT Compromises

### Qualification as Required (order only the qualification you need)

Rolls-Royce RRES 90061 qualified (battery powered handlamps and stationary UV LED Lamps available)  
 Airbus AITM 6-1001 (Issue 11) qualified (16 handlamps and stationary lamps available)  
 Approved and qualified to all major standards, like ASTM E-3022, ISO 3059, etc.

### Groundbreaking Interpretation due to Automatic Dimming White Light

for uninterrupted observation of the indication while adding or crossfading white light  
 in-use user adjustable high quality and uniform white light (up to 5.700 K and Ra ≥ 90)

### Secure Inspection

electronic UV LED and system health monitoring with auto-switch-off in case of failure  
 365nm ± 5nm always during operation

### High-Quality UV Protection Glasses Optimized for Inspection in Darkness

for clear view and fatigue-proof inspection in dark conditions, comfortable to wear

### Real Uniform Flood With Soft Dropping Surrounding Area

total UV uniformity for clear and fatigue-proof view,  
 also when moving the lamp  
 soft drop for cost-efficient inspection, fast detection,  
 orientation, intuitive and secure inspection by free eye movement  
 where the lamp follows the vision

### More than 100 Different Models Available

choose the perfect lamp for you needs

### All Handlamps Mains and Battery Powered

**up to 12 hours battery life**



\*The lamps of the UVE series are equipped with electronic UV LED monitoring that switches the UV automatically off in case of an electrical failure of the UV LEDs or the LED driver to ensure correct function within narrow limits during the operation of the UV. Technical and optical modifications are reserved by SECUCHEK GmbH - Rev. 7/1401 TUS

**100W Mercury Vapour Lamps**

Series	Lamp Model	Bulb - LEDs	Intensity	Beam Pattern in 38 cm (15 in.) distance				Minimum Working Distance (uniform beam)	Minimum Working Distance (acc. Rolls-Royce)	White Light Features		
				Beam size $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam area $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam size $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )	Beam area $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )			Automatic Stepless White Light	White light additional to UV	White light toggling / Crossfade
Unwritten Standard	new bulb	1	5.500 $\mu\text{W}/\text{cm}^2$ (55 $\text{W}/\text{m}^2$ )	$\varnothing$ 12 cm ( $\varnothing$ 4,5 in.)	110 $\text{cm}^2$ (17 sqin)	$\varnothing$ 48 cm ( $\varnothing$ 19,0 in.)	2.100 $\text{cm}^2$ (320 sqin)	0 cm	43 cm (17,0 in.)	n.a.	n.a.	n.a.
	used bulb	1	2.000 $\mu\text{W}/\text{cm}^2$ (20 $\text{W}/\text{m}^2$ )	$\varnothing$ 9 cm ( $\varnothing$ 3,5 in.)	65 $\text{cm}^2$ (10 sqin)	$\varnothing$ 38 cm ( $\varnothing$ 15,0 in.)	1.100 $\text{cm}^2$ (170 sqin)	0 cm	20 cm (7,5 in.)	n.a.	n.a.	n.a.

**UV LED Handlamps**

Series	Lamp Model	Bulb - LEDs	Intensity	Beam Pattern in 38 cm (15 in.) distance				Minimum Working Distance (uniform beam)	Minimum Working Distance (acc. Rolls-Royce)	White Light Features		
				Beam size $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam area $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam size $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )	Beam area $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )			Automatic Stepless White Light	White light additional to UV	White light toggling / Crossfade
UVE 365	H2-24 W FL	8 ea.	3.200 $\mu\text{W}/\text{cm}^2$ (32 $\text{W}/\text{m}^2$ )	$\varnothing$ 25 cm ( $\varnothing$ 10,0 in.)	490 $\text{cm}^2$ (75 sqin)	$\varnothing$ 70 cm ( $\varnothing$ 27,5 in.)	3.900 $\text{cm}^2$ (600 sqin)	8 cm (3,0 in.)	30 cm (12,0 in.)	✓	✓	✓
	H2-24 FL	8 ea.		-	-	-	-	-	-	-	-	
	H1-18 W FL	6 ea.	3.000 $\mu\text{W}/\text{cm}^2$ (30 $\text{W}/\text{m}^2$ )	$\varnothing$ 19 cm ( $\varnothing$ 7,5 in.)	290 $\text{cm}^2$ (45 sqin)	$\varnothing$ 60 cm ( $\varnothing$ 23,5 in.)	2.800 $\text{cm}^2$ (430 sqin)	8 cm (3,0 in.)	30 cm (12,0 in.)	✓	✓	✓
	H1-18 FL	6 ea.		-	-	-	-	-	-	-	-	
	H1-12 W FL	4 ea.	2.500 $\mu\text{W}/\text{cm}^2$ (25 $\text{W}/\text{m}^2$ )	$\varnothing$ 17 cm ( $\varnothing$ 6,5 in.)	200 $\text{cm}^2$ (30 sqin)	$\varnothing$ 50 cm ( $\varnothing$ 19,5 in.)	2.000 $\text{cm}^2$ (310 sqin)	10 cm (4,0 in.)	28 cm (11,0 in.)	✓	✓	✓
H1-12 FL	4 ea.	-		-	-	-	-	-	-	-		
UVN 365	H1-18 W FL	6 ea.	2.800 $\mu\text{W}/\text{cm}^2$ (28 $\text{W}/\text{m}^2$ )	$\varnothing$ 18 cm ( $\varnothing$ 7,0 in.)	260 $\text{cm}^2$ (40 sqin)	$\varnothing$ 56 cm ( $\varnothing$ 22,0 in.)	2.600 $\text{cm}^2$ (400 sqin)	8 cm (3,0 in.)	30 cm (12,0 in.)	-	✓	✓
	H1-18 FL	6 ea.		-	-	-	-	-	-	-	-	
	H1-12 W FL	4 ea.	2.400 $\mu\text{W}/\text{cm}^2$ (24 $\text{W}/\text{m}^2$ )	$\varnothing$ 15 cm ( $\varnothing$ 6,0 in.)	180 $\text{cm}^2$ (28 sqin)	$\varnothing$ 48 cm ( $\varnothing$ 19,0 in.)	1.800 $\text{cm}^2$ (280 sqin)	10 cm (4,0 in.)	28 cm (11,0 in.)	-	✓	✓
	H1-12 FL	4 ea.		-	-	-	-	-	-	-	-	
UVS 365	H1-18 W FL	6 ea.	2.300 $\mu\text{W}/\text{cm}^2$ (23 $\text{W}/\text{m}^2$ )	$\varnothing$ 17 cm ( $\varnothing$ 7,0 in.)	225 $\text{cm}^2$ (35 sqin)	$\varnothing$ 60 cm ( $\varnothing$ 23,5 in.)	2.500 $\text{cm}^2$ (390 sqin)	10 cm (4,0 in.)	n.a.	-	-	✓
	H1-18 FL	6 ea.		-	-	-	-	-	-	-	-	
	H1-12 W FL	4 ea.	4.000 $\mu\text{W}/\text{cm}^2$ (40 $\text{W}/\text{m}^2$ )	$\varnothing$ 20 cm ( $\varnothing$ 8,0 in.)	290 $\text{cm}^2$ (45 sqin)	$\varnothing$ 40 cm ( $\varnothing$ 16,0 in.)	1.500 $\text{cm}^2$ (230 sqin)	15 cm (6,0 in.)	n.a.	-	-	✓
	H1-12 FL	4 ea.		-	-	-	-	-	-	-	-	

**400W Metal Halide Bulb**

Series	Lamp Model	Bulb - LEDs	Intensity	Beam Pattern in 38 cm (15 in.) distance				Minimum Working Distance (uniform beam)	Minimum Working Distance (acc. Rolls-Royce)	White Light Features		
				Beam size $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam area $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam size $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )	Beam area $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )			Automatic Stepless White Light	White light additional to UV	White light toggling / Crossfade
Unwritten Standard	new bulb	1	3.650 $\mu\text{W}/\text{cm}^2$ (36,5 $\text{W}/\text{m}^2$ )	75 x 50 cm (29 x 20 in.)	2.900 $\text{cm}^2$ (450 sqin)	110 x 100 cm (43 x 39 in.)	8.500 $\text{cm}^2$ (1.300 sqin)	0 cm	43 cm (17,0 in.)	n.a.	n.a.	n.a.

**Stationary UV LED Lamps**

Series	Lamp Model	Bulb - LEDs	Intensity	Beam Pattern in 38 cm (15 in.) distance				Minimum Working Distance (uniform beam)	Minimum Working Distance (acc. Rolls-Royce)	White Light Features		
				Beam size $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam area $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam size $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )	Beam area $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )			Automatic Stepless White Light	White light additional to UV	White light toggling / Crossfade
UVE 365	S6-10 W FL	33 ea.	4.000 $\mu\text{W}/\text{cm}^2$ (40 $\text{W}/\text{m}^2$ )	55 x 42 cm (21 x 16 in.)	2.000 $\text{cm}^2$ (310 sqin)	100 x 90 cm (39 x 35 in.)	7.500 $\text{cm}^2$ (1.150 sqin)	15 cm (6,0 in.)	33 cm (13,0 in.)	✓	✓	✓
	S6-10 FL	33 ea.		-	-	-	-	-	-	-	-	
UVN 365	S6-10 W FL	33 ea.	3.500 $\mu\text{W}/\text{cm}^2$ (35 $\text{W}/\text{m}^2$ )	55 x 42 cm (21 x 16 in.)	2.000 $\text{cm}^2$ (310 sqin)	100 x 90 cm (39 x 35 in.)	7.500 $\text{cm}^2$ (1.150 sqin)	15 cm (6,0 in.)	33 cm (13,0 in.)	-	✓	✓
	S6-10 FL	33 ea.		-	-	-	-	-	-	-	-	
UVS 365	S6-08 W FL	28 ea.	3.000 $\mu\text{W}/\text{cm}^2$ (30 $\text{W}/\text{m}^2$ )	55 x 32 cm (21 x 12 in.)	1.500 $\text{cm}^2$ (230 sqin)	80 x 70 cm (31 x 27 in.)	5.000 $\text{cm}^2$ (775 sqin)	18 cm (7,0 in.)	n.a.	-	-	✓
	S6-08 FL	28 ea.		-	-	-	-	-	-	-	-	

**Splash Proof UV LED Lamp**

Series	Lamp Model	Bulb - LEDs	Intensity	Beam Pattern in 38 cm (15 in.) distance				Minimum Working Distance (uniform beam)	Minimum Working Distance (acc. Rolls-Royce)	White Light Features		
				Beam size $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam area $\geq 1.200 \mu\text{W}/\text{cm}^2$ ( $\geq 12 \text{ W}/\text{m}^2$ )	Beam size $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )	Beam area $\geq 100 \mu\text{W}/\text{cm}^2$ ( $\geq 1 \text{ W}/\text{m}^2$ )			Automatic Stepless White Light	White light additional to UV	White light toggling / Crossfade
UVS 365	B6-90 FL	30 ea.	3.100 $\mu\text{W}/\text{cm}^2$ (31 $\text{W}/\text{m}^2$ )	60 x 28 cm (23 x 11 in.)	1.300 $\text{cm}^2$ (200 sqin)	100 x 75 cm (39 x 29 in.)	6.000 $\text{cm}^2$ (930 sqin)	10 cm (4,0 in.)	n.a.	n.a.	n.a.	n.a.