REVOLUTIONARY INTERPRETATION

Automatic Stepless
White Light Dimming and
Crossfade Features

Uninterrupted, relaxed and enhanced observation
of indications by viewing films of transition between
the 3 possible illuminations:
UV only / UV and VIS together / VIS only
NO Flash Blinded Eyes, NO Loss of Sharpness,
NO Unneeded Stress for the Eyes

CLEAR VIEW AND ORIENTATION

REAL Floodlamps with Soft Radiation Drop and
NO Inhomogeneity Within the Beam
Even When Moving the Lamp

UV LED lamps WITHOUT any compromises, always
BETTER than using bulb-based UV sources.
Clear and sharp display, even of tiny indications.
WITHOUT loss of inspection performance by using the full detection
capability of the human eye for fast, secure, easy and tireless inspection
NO hotspots even in very short distances

INVESTMENT SECURITY

Guaranteed Requalification
Possibility for Upcoming Standards [until 2017]
Conform to All Actuall Major Standards

Using UV LED Technology by NOW without worries and
NO waste of money! Paper requalification and necessary
technical upgrades free of charge for upcoming
ASTM, ISO and NADCAP requirements (at least until 2017)

MAXIMUM PROCESS SECURITY

MORE Secure Inspection due to
Electronic System Monitoring and
Adaption Time Signalization

Easier, better and more reliable inspection by
additional integrated process support and security features

HIGH QUALITY

For NDT Professionals
Engineered and
Made in Germany

Completely designed, manufactured,
assembled and qualified in Germany
Further Highlights of UVE Series

- Electronic UV-LED Monitoring to Use UV LED Sources At Least As Secure As Bulb-based UV Sources
- Programmable Adaption Time Signalization (1, 3 or 5 minutes)
- Individually Configurable by the User
- Exceptional Life-Time
- ECO-Mode for Maximum Life-Time and Power-Saving
- Battery Monitoring with Pre-Warning and Security Switch-Off Before Output drops

Additional Highlights of UVN Series

- Adaption Time Signalization
- In-Use Adjustable White Light. Shiftable in Addition to UV UV / VIS Toggling
- Qualified and Approved According to Aerospace Standards
- Qualification Report and Certificate of Compliance Stating All Relevant Lamp Individual Results
- Guaranteed Requalification Possibility for Upcoming Aerospace, ASTM and ISO Standards (at Least Until 2017, for Selected Models)
- Enhanced Ambient Temperature Range 40 - 122°F (5 to 50°C)
- Temperature Monitoring and Overheat Protection With Pre-Warning
- Integrated UV Pass Filter

Highlights of All Series

- Real Peak 365 ± 5 nm Always During Operation Within the Qualified Temperature Range
- Optional UV / White Light Toggling
- Wearless Touch Switches (Work Also When Wearing Gloves)
- Monitored Fan Cooling
- Battery Monitoring with Security Switch-Off Before Output Drops
- Acoustic and Visual Indicators
- Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or LiIon Battery Packs
- Easy and Tireless Long-Term Usage Based on Groundbreaking Ergonomic and Lightweight Design
- Conform to All Actual Major Standards (November 2015)
- High Stability of Intensity and Wavelength
- Exchangeable Rubber Bumper With Integrated Protective Sheave
- Integrated Holder for Standard Mount and Fixation Possibility
- Robust Design For Reliable Operation Even Under Rough Industrial Conditions
- Designed for NDT Applications by NDT-Experts for NDT-Professionals
- Safety Extra Low Voltage (SELV) at Hand Set
- Engineered, Manufactured, Assembled and Qualified in Germany

We reserve the right of error, improvement and technical modification without notice.
Select the perfect UV LED lamp for your needs from 48 different models and many options:

### 3 Series

| **UVS** | Basic Series for Standard Applications |
| **UVN** | Advanced Series for Applications with Enhanced Requirements |
| **UVE** | Professional Series with Advanced Monitoring Features for Maximum Process Security |

### Optional White Light Features

| **Automatic Stepless White Light Dimming and Crossfade Features** |
| **UV / White Light Toggling and White Light Shiftable in Addition to UV** |
| **In-Use Adjustable White Light Output, With Fallback Option** |

### Beam Style

| **Focussed Spot With Hard Radiation Drop at the Edges** |
| **Flood Lamp With Soft Radiation Drop at the Edges and Extreme Homogeneity of the Beam** |

### Number of UV LED Elements

| **3 to 6 UV-LEDs to Select Various Intensities (1,700 to 12,500 µW/cm²) and Irradiation Area Sizes** |

### Power Supply

| **All Worldwide Mains Plugs and Voltages Versions Available** |
| **External Standard Transformer with Permanently Fixed Cables Made in Europe** |
| **Extra Lightweight, High Power Rechargeable Li-Ion Battery Pack** |

| **Extra Robust Metal Cased Transformer Made in Germany** |
| **Aluminium Cased Transformer for Expanded Connections Made in Germany** |
| **Rechargeable NiMH Battery Pack** |

### Accessories

| **Foot-Paddle for Handsfree Operation of the White Light Options** |
| **Robust Carrying Case** |
| **Various Mounting Equipments** |

| **UV Pass Filter** |
| **UV Protection Glasses** |
| **Qualified Retractile Coiled and Straight Extension Cords** |
Detailed UV Specification:

- **Real Peak 365 ± 5 nm**
- **Always During Operation Within the Qualified Temperature Range**
- **Battery Monitoring With Security Switch-Off Before Output Drops**
- **Robust Design for Reliable Operation Even Under Rough Industrial Conditions**
- **Groundbreaking Ergonomic and Lightweight Design for Easy and Tireless Long-Term Usage**
- **Monitored Fan Cooling**
- **Temperature Monitoring and Overheat Protection**
- **10,000 Hours Typical Operation Time with At Least 70% of the Output at Delivery Under Real Conditions**
- **Qualified and Approved for Ambient Temperature from 5°C to 40°C (40° - 105° F)**
- **Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or LiIon Battery Packs**
- **High Quality Cool White Light (5,000 K | CRI > 80) Large Illumination Area**
- **Battery Monitoring With Security Switch-Off Before Output Drops**
- **Robust Design for Reliable Operation Even Under Rough Industrial Conditions**
- **Real Peak 365 ± 5 nm Always During Operation Within the Qualified Temperature Range**
- **Battery Monitoring With Security Switch-Off Before Output Drops**
- **Robust Design for Reliable Operation Even Under Rough Industrial Conditions**
- **Groundbreaking Ergonomic and Lightweight Design for Easy and Tireless Long-Term Usage**
- **Monitored Fan Cooling**
- **Temperature Monitoring and Overheat Protection**
- **10,000 Hours Typical Operation Time with At Least 70% of the Output at Delivery Under Real Conditions**
- **Qualified and Approved for Ambient Temperature from 5°C to 40°C (40° - 105° F)**
- **Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or LiIon Battery Packs**
- **High Quality Cool White Light (5,000 K | CRI > 80) Large Illumination Area**

High Quality White Light Option:

- **UV / White Light Toggling**
- **Multi-Level Pre-Adjustable White Light Output**
- **High Quality Cool White Light (5,000 K | CRI > 80) Large Illumination Area**

For detailed product and qualification information, contact or visit us at www.secu-chek.com/uvs-h1

www.secu-chek.com
UVN-Series (Advanced)

Advanced UV Features:

- Qualified and Approved According to Rolls-Royce RRES 90061
- Adaption Time Signalization 1 Minute
- Ideal for NDT
- Qualified and Approved for Ambient Temperatures from 5° to 50° C (40° - 122° F)
- Temperature Monitoring and Overheat Protection With Pre-Warning
- Guaranteed Requalification Possibility for Upcoming Aerospace, ASTM and ISO Standards (at Least Until 2017, for Selected Models)
- Conform to All Actual Major Standards (November 2015)
- Integrated UV-Pass Filter
- Superior Life-Time
- Detailed Qualification Report and Certificate of Compliance Stating All Lamp Individual Results

Advanced White Light Option:

- White Light Shiftable in Addition to UV
- In-Use Adjustable White Light Output
- High Quality Cool White Light (5,000 K | CRI > 80) Large Illumination Area
- UV / White Light Toggling

Basic Specification:

- Real Peak 365 ± 5 nm Always During Operation within the Qualified Temperature Range
- Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or LiIon Battery Packs
- Groundbreaking Ergonomic and Lightweight Design for Easy and Tireless Long-Term Usage
- Acoustic and Visual Indicators
- Robust Design for Reliable Operation even under Rough Industrial Conditions
- Battery Monitoring with Security Switch-Off Before Output Drops
- Monitored Fan Cooling

For detailed product and qualification information, contact or visit us at www.secu-chek.com/uvn-h1

www.secu-chek.com

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Revolutionary UV Features:

- Electronic UV-LED Monitoring to Use UV LED Sources At Least As Secure As Bulb-based UV Sources
- Programmable Adaptation Time Signalization (1, 3 or 5 minutes)
- Qualified and Approved According to Rolls-Royce RRES 90061
- Individually Configurable by the User
- Guaranteed Requalification Possibility for Upcoming Aerospace, ASTM and ISO Standards (at least until 2017 for selected models)
- Conform to All Actual Major Standards (November 2015)
- ECO-Mode for Maximum Life-Time and Power-Saving, Auto Switch-OFF and Switch-ON
- Acoustic, Visual and Tactile (Vibrating) Indicators
- Exceptional Life-Time of more than 18,000 hours Time of Usage Under Real Conditions
- Retractable Coiled Power Cord
- Detailed Qualification Report and Certificate of Compliance Stating All Lamp Individual Results

Revolutionary White Light Option:

- Stepless Soft White Light Dimming and Crossfade Features for Maximum Interpretation Capability Instead of Showing Different Pictures and Flash Blinding the Eyes
- In-Use Adjustable White Light Output, With Fallback Option
- White Light Functions Additionally Hands-free Operable by Foot Paddles
- High-End White Light in Daylight Quality (5,700 K | CRI > 90)
- Extreme Uniform and Large Illumination
- White Light Switchable in Addition to UV UV / White Light Toggling

Basic Specification:

- Real Peak 365 ± 5 nm Always During Operation Within the Qualified Temperature Range
- Battery Monitoring with Pre-Warning and Security Switch-Off Before Output Drops
- Qualified and Approved for Ambient Temperatures from 5° to 50° C (40° - 122° F)
- Groundbreaking Ergonomic and Lightweight Design for Easy and Tireless Long-Term Usage
- Temperature Monitoring and Overheat Protection With Pre-Warning
- Integrated UV-Pass Filter
- Robust Design for Reliable Operation Even Under Rough Industrial Conditions
- Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or LiIon Battery Packs

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