SECU CHEK

advanced and professional tools for enhanced fluorescent inspection

GROUNDBREAKING INNOVATION

uncompromising better than bulb-based UV lamps

H1 UV LED HANDLAMPS

The Perfect UV-A LED Blacklight for Every Specific Application

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 indidcations.
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

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Further Highlights of UVE Series

SECU CHEK

- 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
- Optional Stepless Soft White Light Dimming and Crossfade Features for Maximum Interpretation Capability
- High-End White Light in Daylight Quality (5,700 K | CRI > 90)
- 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

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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

UV — Automatic Stepless White Light Dimmung and Crossfade Features

UV / White Light Toggling and White Light Shiftable in Addition to UV

IN USE — 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

AC/DC — External Standard Transformer with Permanently Fixed Cables Made in Europe

Lilon — 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

NiMH — Rechargeable NiMH Battery Pack

Accessories

Foot-Paddle for Handsfree Operation of the White Light Options

Robust Carrying Case

MOUNT + HOLD — Various Mounting Equipments

UV — UV Pass Filter

UV Protection Glasses

Qualified Retractile Coiled and Straight Extension Cords

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Detailled 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

Conform to Actual Major Standards
(November 2015)

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° to 40° C (40° - 105° F)

Mains Supply by AC/DC Transformer and
Mobile Battery Supply by
Rechargeable NiMH or LiIon Battery Packs

Acoustic and
Visual Indicators

Standard Qualification Report and
Certificate

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

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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 Lilon 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

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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 Adaption 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
- Retractile 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 Funtions 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 Shiftable 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-Warnung 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 Lilon Battery Packs

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