

-|⊑|-| NEXT GENERATION UV LED SOURCES FOR SECURE NDT

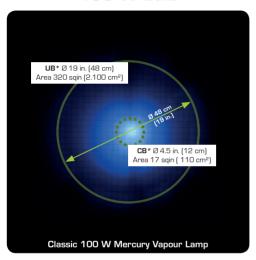
IF FAILURE IS NOT AN OPTION

RELIABLE UV SOURCES FOR SUSTAINABLE IMPROVED AND SECURE FLUORESCENT INSPECTION

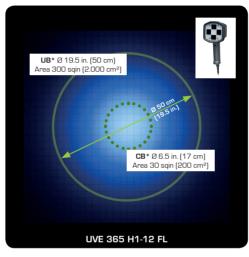
UV-formity® Technology for EXTREME UNIFORM FLOODS with SOFT DROP-OFF

Better Than Mercury Vapour, Xenon or UV LEDs with hard drop-off (focussed) Total Visual Uniformity, Even When Moving the Lamp in Short Distances, Full Orientation, Clear Vision and Intuitive Inspection

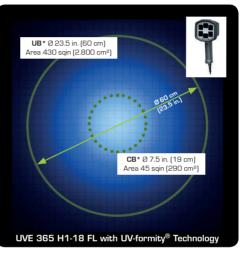
100 W bulb



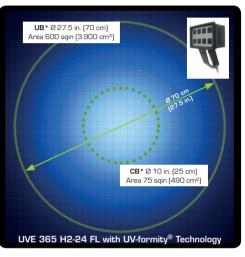
4 UV LEDs



6 UV LEDs



8 UV LEDs



Compared to Mercury Vapour: Larger Usable Beams (UB: area ≥ 100 µW/cm² (≥ 1 W/m²)), Larger Central Beams (CB: area ≥ 1.200 µW/cm² (≥ 12 W/m²)) More Uniform and Smoother Radiation Drop to use the Full Detection Capability of the Human Vision in Darkness

REVOLUTIONARY WHITE LIGHT FEATURES

No Flash Blinding of the Eyes, While Changing the Illumination Scenario by Automatic Stepless Smooth Dimming White Light (White Light in Addition to UV) and Crossfade (White Light vs. UV) Optimized Interpretation by Providing Uninterrupted Observation of the Area of Interest and Indications In-Use Adjustable White Light Output









COMPLIANT TO ALL MAJOR REQUIREMENTS AND STANDARDS

Qualified for Mains and Battery Operation

Aerospace Industry Requirements











General Industry Requirements























Test reports can be ordered as individually required for every single requirement, upgradable for upcoming standards and requirement (if necessary)

NEXT GENERATION UV LED SOURCES

extra reliable for secure fluorescent inspection in NDT and Aerospace

Features of SECU-CHEK Handlamp Series

UVS SERIES

BASIC FEATURES



Simple applications, like background illumination, washing or wetting check

Developed for NDT and Visual Inspection

Exchangeable Rubber Bumper with Protection Sheet

Wearless Touch Switches

Optional White Light (fixed Output) UV / VIS Toggling

Robust and Lightweight Plastic Housing

Monitored Fan Cooling

Optical and Acoustical Signals

Easy Exchangeable Dust Filter

Overtemperature Switch-OFF

Straight 2,5 m (8 ft.) Cord

Extension Cords (up to 50 m/ 160 ft.)

12 Month Warranty

Designed, Made and Qualified in Germany

UVN SERIES

ADVANCED FEATURES



Standard inspection applications

UV-Formity® Technology for Extreme Uniform Floods with Soft Drop

LED Current Monitoring with Security Switch OFF when LED Current Drops More Than 2.5 %

Adaption Time Signalization (1 Minute)

Integrated UV Pass Filter

Optional In-Use Adjustable White Light In Addition to UV (UV+VIS) and Instead of UV (UV or VIS), Hold Function

ASTM E-3022 Qualification and Cert

Compliant to Boeing, NADCAP, P&W, PWC, Rolls-Royce RRES 9006, et al.

> Fully Qualified for Battery and Mains Operation

Temperature Controlled Fan (for silent operation)

Over-Temperature Pre-Warning

Enhanced Life-Time

Enhanced Ambient Temperature Range

Lightweight Easy to Handle and Move

Wavelength and Performance Selected HighEnd UV LEDs

UVE SERIES

PROFESSIONAL FEATURES



where an unnoticed lamp failure is not an option

Electronic UV LED Monitoring that Automatically Shuts OFF the Lamp if a Single UV LED Element Fails

Eco-Mode (Auto Switch OFF if Not Used, Automatic Resume of Full Output when Picked-Up again) for Power Savings and Enhanced Life-Time (up to 10 times more)

Full Airbus AITM 6-1001 Issue 11 Qualification and Test Report (optional)

Automatic Stepless Smooth Dimming White Light (VIS + UV) and Crossfade (between VIS and UV) (optional)

Security Switch OFF before output drops when battery gets low with Battery Pre-Warning

System Health Monitoring

Adaption Time Signalization Adjustable by the User (1, 3 or 5 Minutes)

Coiled Retractable Power Cord

User Customizable

Haptical Vibration Signals

Optional Foot Pedal for Hands-Free White Light Operation

> Single UV LED Elements individually exchangeable

Searching for larger handlamps, stationary or splashproof UV LED Blacklights? Click www.uv-led-lamp.com or www.uv-led-shop.com for more information and products!

additional features







additional features











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