stern Technology



September 2020

Designed + Manufactured in the USA

Model 8910UVA - UVA Explosion Proof Rechargeable Battery-Powered LED Light

The 365nm UV emission is ideal for NDI / NDT Testing, typical in industrial metal structural integrity maintenance & manufacturing inspections.

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	Product Features	

Class I, Div 1 & 2, Group C & D; Class II, Div 1 & 2, Group E, F, & G; CSA Zones 1 & 2; Zones 20, 21, & 22 Suitable for Wet Location Use. Type 6P *Certified **Explosion Proof** under UL844

*Approved for Light Head, Battery Pack, & Manifold Light Head may be powered with a Power Supply Box for continuous use. - Line Power to Supply Box: 100-277VAC; - Output: 48VDC, 8A max

Battery Charger is Ordinary Location Listed:

by Intertek for use in:

UL153 - Not Explosion Proof

Visibile (White Light) Mode:

LED COB (Chip on Board) **Emitter Type:** Correlated Color Température (CCT): 5700°K

Glow Low Medium High Flashing Visible Modes: (Work) (On/Battery Check) (Passage) (Task) (Medium-Lo **Light Output:** N/A 625 Im 1250 Im 2500 Im N/A Run Time: N/A ~14 hrs ~7 hrs ~3.5 hrs N/A **Projection Type:** Wide Floodlight Projection

UVA Mode:

UVA Wavelength: 365nm peak **Emitter Type:**

Glow Low High **UVA Modes:** (On/Battery Check) (Passage) (Work) (Task) Run Time: N/A ~14 hrs ~7 hrs ~3.5 hrs **UVA Activation Code:** May be programmed with a code to activate/deactivate UVA function.

Dimensions: 3.67"L x 2.97"W x 7.58"H x ∅2.67"

Weight: Lighthead: 1.90lbs + Battery/Handle: 1.45lbs = 3.35lbs Machined out of solid blocks of 6061-T6 Aluminum

Housing/Material: Polyurethane Bumpers (PURPLE)

Glow-in-the-Dark Paneling

Rechargeable, Li-Ion (Approved for Shipping) **Battery-Powered:** Smart Charger Base (Auto-Off at full charge w/ indicator light)

Recharging Time: ~2.5 hrs

The BODYLight™ Battery Pack, consisting of lithium ion cells external to the Explosion Proof Canister, was examined for conformance to UN/DOT 38.3, Transportation Testing, by Intertek Laboratories. Conformance verification to the Standard for the Battery Pack was issued on November 16, 2017. (Report No.: 103190396CRT-002)

Battery Pack Transportation Compliance: Dr. Michael S. Kralik Engineering Director

The BODYLight™ Battery Pack passed all test procedures for Altitude Simulation, Thermal Test, Vibration, Shock, External Short Circuit, and Overcharge/Discharge, ensuring its compliance and safety for air and ground transportation.

Further, with the Battery Pack encased in an Explosion Proof Canister, compliant to UL 62133, 153, and 844, provides even greater assurance of safety during transportation.

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Battery Pack:

Output Power: 14.4 VDC, 3.4Ah Temp Amb: -20° to +40°C. Temp. Rating: T5

Charging: Ta: 0° to +60°C

Frequency of Input: 120/240 VAC, 50/60 Hz, 1A Output Power: 12-15VDC, 3-5A **Charger Base Input:**

Temp Ambient: -25° to +40°C

Temp Rating: T5

UL 1310 / CSA C22.2#223 **Charger Base**

certification testing for Class 2 Power Units Compliance:

*Accessories, Stands & Mounting Options Available

Detect cracks, leaks, FOD, microscopic holes & defects.



EXPLOSION **☞ PROOF**











See back for more details...

Note: UVA option requires operator wear PPE and confirmation required training has been completed. UVA 365nm can be hazardous to human health with extended unprotected exposure.



*Equipment specifications, options & availability subject to change





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ETL Certified by Intertek



Explosion Proof US & CAN stds



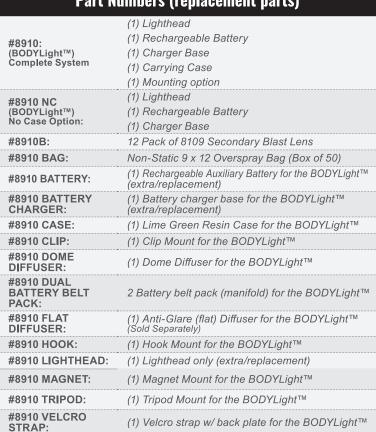
Rechargeable **Battery-Powered**



KICK-IT TOUGH LED Light























from the first charger that is plugged into a 15A power source

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