



1 UV LED | 1 WHITE LIGHT LED

Pegasus LED yoke light is a UV module that is mounted on standard hand yokes for fluorescent magnetic particle inspections. The main benefit of having this tool is that it allows the inspector to irradiate the test area during materials testing with fluorescent magnetic materials and perform the test without extra help. The yoke light Pegasus can be supported on any part of the yoke with the assistance of an adjustable screw. The UV LED creates a very strong UV output from any point the Pegasus is adjusted on the yoke. The angle of the LED can be adjusted to provide a good coverage of the inspection area.

MAKES IT BRIGHT



The key differentiating factor between Pegasus and most other yoke lights on the market today is that it can be mounted anywhere on the yoke, not just on the metal parts of the yoke on the sides. Pegasus can function equally well if adjusted on the plastic top part of the yoke. The Labino Pegasus can operate both through the current induced by the magnetic field created but also through a battery.

The current induced by the magnetic field activates the yoke light which remains operational with the help of the battery, even after the yoke is turned off, for further inspections. The Labino Pegasus is also equipped with a white light for after inspection.

PESASUS CAN BE ADJUSTED ON MULTIPLE POSITIONS ON THE YOKE:-





TECHNICAL SPECIFICATIONS:-

UV Light:

UV LED: 365 nm

Intensity: $\approx 5\,000\ \mu\text{W}/\text{cm}^2$ at 50 mm (2")

Beam Diameter: $\varnothing 70$ mm (total area with a minimum intensity of $1200\ \mu\text{W}/\text{cm}^2$ at 50 mm, 2")

White light LED:

12.000 lux (1.100 fc) at 50 mm (2")

Safety:

IP Class: IP67

CE Marked

Battery

- i. 2200 mAh Lithium-Ion, 3.7 volts
- ii. Running time: approx. 3 hrs
- iii. Charging time: approx. 8 hrs
- iv. Requires 1 battery to operate
- v. Equipped with a current regulator to keep the intensity stable when the battery fades

Charger

- i. One 100-240 VAC charger for use from electrical outlet
- ii. Capacity: two batteries can be charged simultaneously
- iii. One 12 V charger for use in vehicle

OPERATING INSTRUCTIONS:-

1. Ensure that the charged battery is mounted with the correct polarity inside the Pegasus yoke Light.
2. Position the Pegasus light on the Yoke in a convenient inspection position. Secure Pegasus on the Yoke by adjusting the two screws.
3. Trigger the power switch of the Yoke. The UV light from the Pegasus will automatically turn ON.
4. Position the light head to cover the area to be inspected and perform the inspection. Please note that the UV light of Pegasus remains on even after you turn off the Yoke, utilizing battery power.
5. Once the inspection is completed, switch OFF the UV light.
6. Switch ON the visible light for after inspection.

Note: Pegasus is electronically programmed to avoid visible light triggered ON by mistake during the inspection. The Visible light can only be activated and turned ON if the UV light is OFF.

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