

# Labino® UVG4-HEAD



## 365 nm | Hands Free | Spotlight or Midlight

- The Labino® UVG4-HEAD Spotlight is a small-sized, lightweight, UV-A LED Head Lamp designed to release the user's hands during inspection.
- The lamp can be adjusted in three different angles, the operator can switch angle of the light during inspection. The rubber bands are adjustable and designed to fit helmets, or to be attached directly on the head. The battery is located in the back of the structure and therefore there are no loose cables hanging from the lamp.
- The Labino® UVG4-HEAD contains one (1) ultraviolet light emitting diode (LED). The LED creates UV light that peaks at 365 nm making it suitable for industrial, leakage and security applications.
- Full power is reached instantly. The on/off button is positioned in the back of the lamp to prevent accidental activation.

## MAKES IT BRIGHT

- At full charge the battery provides up to 3 hours of use. Recharge from a normal outlet or vehicle with included chargers. The kit also includes an extra rechargeable battery.



## TECHNICAL SPECIFICATION

### UV LED

- UV source: UV A LED (1)
- Intensity:
  - Spotlight: >35 000  $\mu\text{w}/\text{cm}^2$  at 15 cm  
>25 000  $\mu\text{w}/\text{cm}^2$  at 38 cm  
>14 000  $\mu\text{w}/\text{cm}^2$  at 60 cm  
>8 000  $\mu\text{w}/\text{cm}^2$  at 100 cm
  - Midlight: >32 000  $\mu\text{w}/\text{cm}^2$  at 15 cm  
>10 000  $\mu\text{w}/\text{cm}^2$  at 38 cm  
>4 500  $\mu\text{w}/\text{cm}^2$  at 60 cm  
>1 800  $\mu\text{w}/\text{cm}^2$  at 100 cm
- Visible light:
  - Spotlight: < 7 Lux (<0.65 fc)
  - Midlight: < 5 Lux (< 0.46 fc)
- Wave length: 365 nm
- Irradiated diameter at a distance of 38 cm):
  - Spotlight: 30 mm (1.2 inches)
  - Midlight: 100 mm (3.9 inches)

### Battery

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



### Charger

- One (1) 100-240 VAC charger for use from electrical outlet
- One (1) 12 V charger for use in vehicle via cigarette lighter connection
- Capacity: two batteries can be charged simultaneously

### The Labino® UVG4-HEAD Kit

- UVG4-HEAD Lamp
- Charger for use from electrical outlet
- Charger for use in vehicle via cigarette lighter connection
- Two (2) batteries (1+1 extra)

### Certificate

- All components included in the Labino Torch Light lamp are RoHS certified according to 2002/95/EG
- CE marked
- IP65 classified, dust and temporary water jetting proof

### ADVANCED NDT LTD

[www.advanced-ndt.co.uk](http://www.advanced-ndt.co.uk)

### Advanced NDT Limited

Orchard House, Orchard Close  
Severn Stoke, Worcester, WR8 9JJ, England  
Tel: 01905 371460 Fax: 01905 371477  
Web: [www.advanced-ndt.co.uk](http://www.advanced-ndt.co.uk)  
Email: [sales@advanced-ndt.co.uk](mailto:sales@advanced-ndt.co.uk)

### Dimensions

- Weight inc. battery: 271 gr (9.4 oz)

Labino AB shall not be held liable for any errors or omissions resulting from the test procedures that were used in validating performance of any Labino AB product nor for unforeseen errors or omissions in digital or printed material.



## 365 nm | Hands Free | Spotlight or Midlight

- The Labino® UVG5-HEAD Spotlight is a small-sized, lightweight, UV-A LED Head Lamp designed to release the test engineer's hands during inspection.
- The lamp can be adjusted in three different angles, the operator can switch angle of the light during inspection. The rubber bands are adjustable and designed to fit helmets, or to be attached directly on the head. The battery is located in the back of the structure and therefore there are no loose cables hanging from the lamp.
- The Labino® UVG5-HEAD is equipped with a unique white block filter that minimizes the white light and limits the glare. The light provides a superior contrast performing Non Destructive Testing.
- The Labino® UVG5-HEAD contains one (1) ultraviolet light emitting diode (LED). The LED creates UV light that peaks at 365 nm making it suitable for Non Destructive Testing.

## MAKES IT BRIGHT

- Full power is reached instantly. The on/off button is positioned in the back of the lamp to prevent accidental activation.
- At full charge the battery provides up to 3 hours of use. Recharge from a normal outlet or vehicle with included chargers. The kit also includes an extra rechargeable battery.



## TECHNICAL SPECIFICATION

### UV LED

- UV source: UV A LED (1)
- Intensity:
  - Spotlight: >39 000  $\mu\text{w}/\text{cm}^2$  at 15 cm  
>20 000  $\mu\text{w}/\text{cm}^2$  at 38 cm  
>10 00  $\mu\text{w}/\text{cm}^2$  at 60 cm  
>8 000  $\mu\text{w}/\text{cm}^2$  at 100 cm
  - Midlight: >30 000  $\mu\text{w}/\text{cm}^2$  at 15 cm  
>8 000  $\mu\text{w}/\text{cm}^2$  at 38 cm  
>4 000  $\mu\text{w}/\text{cm}^2$  at 60 cm  
>1 800  $\mu\text{w}/\text{cm}^2$  at 100 cm
- Visible light:
  - Spotlight: 3Lux /  $\approx 0.28$  fc
  - Midlight: 2 Lux /  $\approx 0.18$  fc
- Wave length: 365 nm
- Irradiated diameter at a distance of 38 cm):
  - Spotlight: 30 mm (1.2 inches)
  - Midlight: 100 mm (3.9 inches)

### Battery

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



### Charger

- One (1) 100-240 VAC charger for use from electrical outlet
- One (1) 12 V charger for use in vehicle via cigarette lighter connection
- Capacity: two batteries can be charged simultaneously

### Dimensions

- Weight inc. battery: 271 gr (9.4 oz)

### The Labino® UVG5-HEAD Kit

- UVG5-HEAD Lamp
- Charger for use from electrical outlet
- Charger for use in vehicle via cigarette lighter connection
- Two (2) batteries (1+1 extra)

### Certificate

- All components included in the Labino Torch Light lamp are RoHS certified according to 2002/95/EG
- CE marked
- IP65 classified, dust and temporary water jetting proof

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