

Labino develops, manufactures and sells a new generation of ultra violet lamps. The Labino® UV lamps are used for a large number of applications, ranging from non destructive testing, leak detection, curing, inspection of conformal coatings, criminology (forensics) and advertising to amusement parks and much more. The Labino® UV lamps simplify and speed-up several of these applications as well as create totally new possibilities and a pleasant working environment.



The Labino Ultra Violet lamps are based on two key components – Labino DUV-35 W Gas Discharge Bulb (MPXL-technology) and Labino Trigger Ballasts (Electronics). The interface technology between these key components creates unbeatable output performance. All UV lamps have three important distinctions, floodlight, midlight or spotlight, giving different beams and UV-intensities. The Labino lamps have unbeatable UV intensity, creating extreme excitation of fluorescent material, even in daylight and at great distances, that with former technology has been impossible. The lamps obtain full power in 5-15 seconds and can be switched on and off whenever used, without pre-cooling. The lamps are shock proof, unaffected by magnetic fields, and have very low heat generation. You can use the lamps outdoors, as they are IP65 classified.

TECHNICAL SPECIFICATION

Beam and irradiance

Spotlight Distribution angle (beam) 3.5°
Irradiance > 50 000 μW/cm²=at 30 cm

Midlight Distribution angle (beam) 20°
Irradiance > 8000 μW/cm²=at 30 cm

Floodlight Distribution angle (beam) 45°
Irradiance ≥3500 μW/cm²=at 30 cm

Handels and mounting

Top Handle, Pistol Handle, Open Handle
Mounting Brackets

Voltage 100 VAC, 115 VAC, 230 VAC or
12-24VDC

Input power 43 W

Output power 35 W

Mechanical stability (bulb) IEC810

Service life (bulb) appr. 2 000 h

Wavelength UV-A, peak at 365 nm

Start-up time full power after 5-15 sec

Material in housing anodized aluminium,
plastics PA6-30

The housing is via premilled slots prepared
for mounting devices

S, CE, ETL/cETL approved

IP65 classified dust and temporary water
jetting proof

Labino® Compact

Models: A compact unit supplied as I35, HI35 or as PHI35. I35=without any handle but with a pair of mounting brackets (for stationary mounting), one on each side of lamp, H=handle, PH=Pistol Handle. Weight: 2.25 kg. Cable length: 2.0 m.

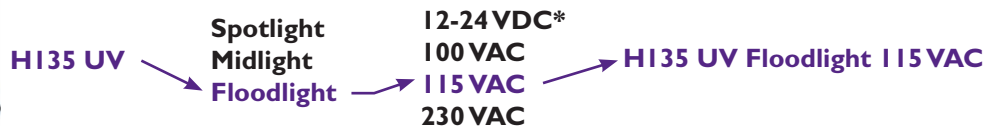
MODEL BEAM VOLTAGE EXAMPLE OF PRODUCT NAME



Mounting brackets



Handle



Pistol handle






*The 12-24VDC configuration is operated from external 12 to 24VDC source via included cigarette lighter cable or from mains 100, 115 or 230 VAC via the Labino accessory PSU (Power Supply Unit).



Labino® Duo

Models: S135, PS135 and OHS135. A two-parts lamp consisting of a luminary unit and a ballast (electronics) unit for shorter and lighter luminary “working” unit. S=Short (without any handle but with a pair of mounting brackets, one on each side) PS=PistolShort, OHS=OpenHandleShort. Weight: Luminary unit: 1.2 kg, ballast unit: 1.5 kg. Cable length: Mains cable: 2.0 m. Luminary – ballast units: 3.0 m.

	MODEL	BEAM	VOLTAGE
	S135 UV	Spotlight Midlight Floodlight	12-24 VDC* 100 VAC 115 VAC 230 VAC
Mounting brackets short			
	PS135 UV	Spotlight Midlight Floodlight	12-24 VDC* 100 VAC 115 VAC 230 VAC
Pistol handle short			
	OHS135 UV	Spotlight Midlight Floodlight	12-24 VDC* 100 VAC 115 VAC 230 VAC
Open handle short			

*The 12-24VDC configuration is operated from external 12 to 24VDC source via included cigarette lighter cable or from mains 100, 115 or 230 VAC via the Labino accessory PSU (Power Supply Unit).



Labino® TrAc Pack

Models: TrAc Pack Standard and TrAc Pack PRO

	MODEL	BEAM	VOLTAGE
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TrAc Pack Standard

A portable battery operated lamp model, consisting of a luminary unit and a battery/electronics unit. Charging via the included Labino standard charger and then operated from the internal battery (12-24VDC). Weight: Luminary unit: 1.2 kg, battery/electronics unit: 4.4 kg. Cable length: Luminary – battery/electronics unit: 2.3 m.



TrAc Pack UV	Spotlight Midlight Floodlight	100 VAC 115 VAC 230 VAC
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TrAc Pack PRO

A portable battery operated lamp, consisting of a luminary unit and a battery/electronics unit. As this model includes the Labino special charger PSU and a cigarette lighter cable it provides three possibilities of operation. From mains via the PSU with simultaneous charging of internal battery. From an external 12-24VDC source via the cigarette lighter cable or from the internal battery. Weight: Luminary unit: 1.2 kg, battery/electronic unit: 4.4 kg, power supply unit: 2.3 kg. Cable length: Luminary – battery/electronic unit: 2.3 m, cigarette lighter cable: 1.5 m.



TrAc Pack PRO UV	Spotlight Midlight Floodlight	100 VAC 115 VAC 230 VAC
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ACCESSORIES



Friction arm

A high quality, flexible and easy-to-use support system. The system is suitable for many different applications including laboratory use, Non Destructive Testing and UV-curing, giving the operator two free hands. Jointed arm with just one large locking knob. Length: 53 cm (21"), Weight: 1,07 kg (2.35lb) arm only, 2,55 kg (5,61 lb) complete.



Case

Tough case for tough equipment! The versatility of Labino TrAc Pack PRO invite to a mobile usage. Out on the field via the internal battery, in the car or truck, via the cigarette cable or from mains via the Power Supply Unit. Labino offers a quality case, equipped with a plastic foam interior adapted for Labino TrAc Pack PRO. With the Labino lamp in the case, it is now even more mobile as the quality of the case allows it to be sent as it is. The case is IP 65 certified, dust and water jetting proof.



UV-meter

An instrument for accurate measurement of UV-A radiation. Measuring range: 0.1 – 200.000 $\mu\text{W}/\text{cm}^2$ • Spectral sensitivity: 315-390 nm • Accuracy: better than $\pm 6\%$ (± 1 in last digit) • Power supply: 9 volt battery, type PP3 Alkaline (appr. 350 hrs operation) • Dimensions: 135x75x35 mm or 5.3" x 2.9" x 1.4" • Weight: 0.19 kg or 6.7oz. With both automatic zeroing and on/off switch, the only controls are a four-position range selection and a hold button for retaining the display value.



Visible light meter

An instrument for accurate measurement of illuminance. It has two ranges for measuring both metric lux (lx) and imperial footcandle (fc) units. The sensitivity ranges are 0.1 – 200.000 lx and 0.01 – 20.000 fc. With both automatic zeroing and on/off switch, the only controls are a four-position range selection and a hold button for retaining the display value. Traditional visible light meters are adapted to the lower intensity Mercury Vapor Technology and its specific spectral UV-A distribution. The Labino Visible Light Meter is the first instrument specifically designed without a fluorescent sensor for high intensity UV-lamps. Detector: Non-flourescent silicone photodiode • Measuring range: 0.1 – 200.000 lx and 0.01 – 20.000 fc • Accuracy: better than $\pm 3\%$ (± 1 in last last digit) • Power supply: 9 volt battery, Type PP3 Alkaline (appr. 350 hrs operation) • Dimensions: 135x75x35 mm or 5,3" x 2,9" x 1,4" • Weight: 0.19 kg or 6.7 oz.



Cable winder

The Labino cable winder is, as many other Labino products, manufactured on request from customers with a unique demand – for mounting in the ceiling or on the wall. Picture shows PS135, 12VDC where internal cable between the ballast (electronics) and lamp unit is in the cable winder. Current feed is done via our power supply unit (PSU). The PSU also serves as a protective transformer which means that the complete circuit (after the PSU) is floating. The Labino Cable Winder includes a cable length of 7 meters fully extended. Rewind the cable back to start position by a gentle pull in the cable. Total weight 8,4 kg.

