

Torcia UV LED T100 for UV curing and pinning



Description

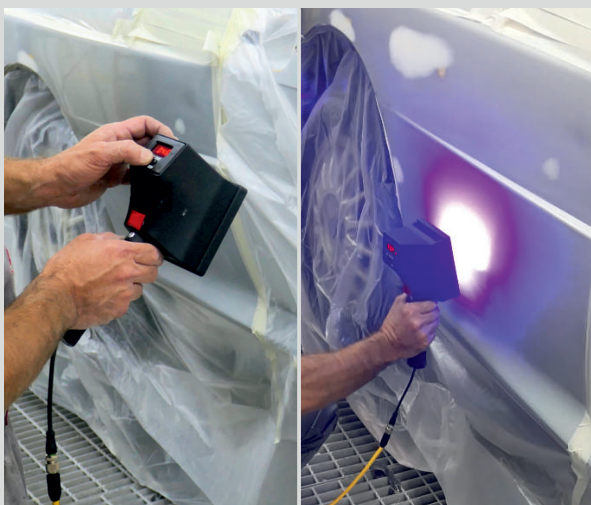
Torcia T100 is a portable, compact and lightweight UV LED lamp for primarily manual use by the operator. Used for the UV curing and pinning of varnishes, adhesives and putties previously applied to flat or irregular surfaces. The polymerization is extremely fast thanks to the use of UV LED technology, that is very efficient and reliable. The ergonomic handle allows a perfect grip, but it is also possible to fix it on floor supports.

Features and advantages

- Ready and easy to use (Plug and Play solution)
- Two ways of use: manual switch or timed start
- Programmable timer from 1 second to 99 minutes
- Available in different wavelengths 365, 385, 395 or 405nm
- Powerful and diffused UV radiation beam
- Low heat emission, no deformation of thermally sensitive surfaces
- Immediate on/off switching will not cause lamp degradation
- No UV-B/UV-C radiation, greater safety, no ozone emissions
- Reduced electrical consumption compared to a traditional UV lamp
- Plastic material and shock resistant
- Compact and light but powerful solution

Application fields

Polymerization of adhesives and composite materials, curing of varnishes in the car repair



Versions and technical details

Torcia T100, compared to the other manual UV LED lamps by Photo Electronics, is more powerful (120W) and has a larger emitting window (80 mm).

	Torcia T100 365nm	Torcia T100 385nm	Torcia T100 395nm	Torcia T100 405nm
Power supply	100-277Volt 50/60Hz – 1.4A max			
Power supply type	Switching 48Vdc 120Watt			
Lamp power (Watt)	120W			
Wavelength (nm)	365	385	395	405
Irradiance max @10cm (mW/cm ²)	81	81	81	81
Irradiance max @15cm (mW/cm ²)	41	41	41	41
Irradiance max @20cm (mW/cm ²)	25	25	25	25
Lamp lifetime	20.000 hours			
Warranty	3 years			
Operating temperature	-10°C +40°C			

Power
120W

UV LED
Technology

Plug &
Play

Light &
Compact

Kit composition

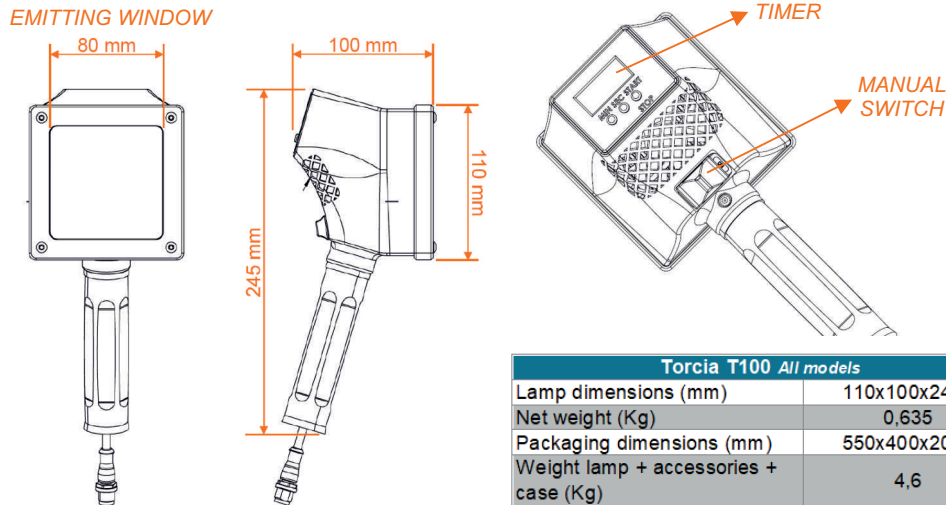
Torcia UV LED T100 is supplied with a protective case that contains:

- power supply
- power cable
- lamp connection cable (*length 3 meters, second optional cable available*)
- safety glasses



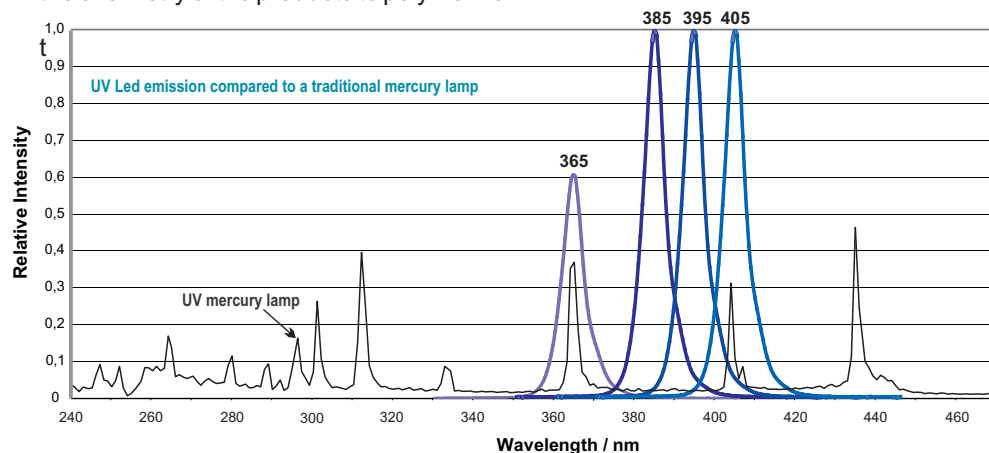
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Dimensions and weight



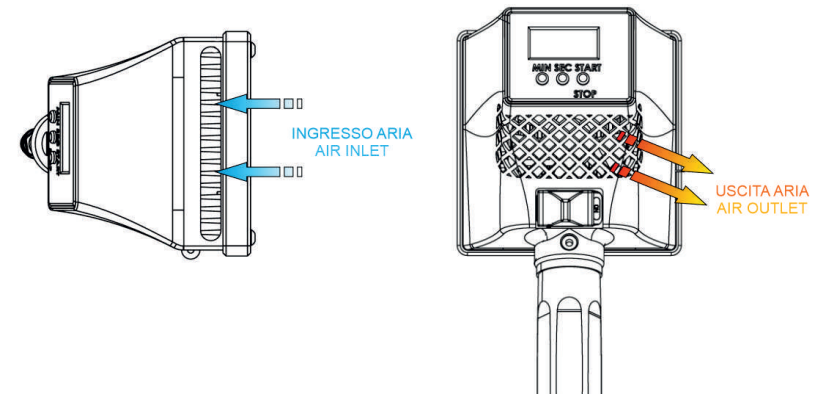
Available wavelengths

Photo Electronics UV LED lamps are available in 4 different wavelengths to best suit the chemistry of the products to polymerize.

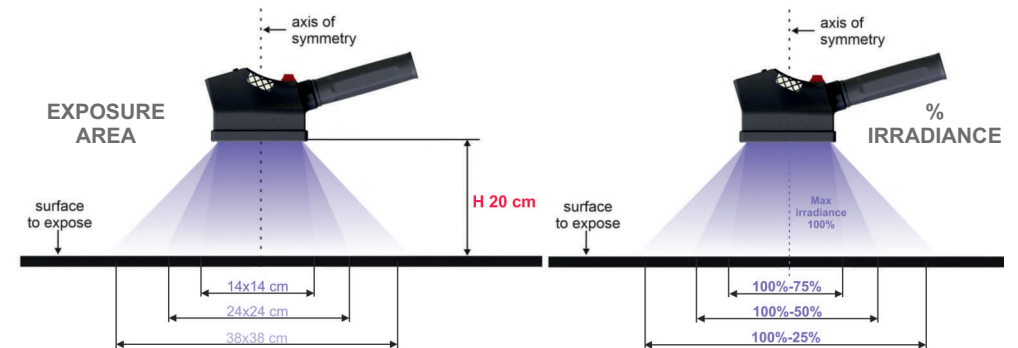


Integrated cooling system

Photo Electronics Torcia UV LED T100 is equipped with a **forced air cooling system**, **integrated** into the lamp housing. The cooling air enters through the slots on the top of the lamp and exits through the back grid. The internal electronics independently manage and control the cooling system.



Irradiance and exposure area



T100 lamp, positioned 20cm high from the surface, allows the irradiation of an area up to 38x38cm. The radiation varies according to the distance from the axis of symmetry, where is the maximum irradiance 100%.