

# Benefits & Advantages

Designed and built in Canada for worldwide use on all current ultraviolet light curable putties, fillers, base coats (primers), top coats, and clear coatings.

Faster, safer, and efficient UV curing for automotive repair and industrial finishes.

The **SPECTRATEK InstaCure UVLED** curing lamp allows an easy and complete access to all parts and sections of the vehicle.

The UV LED units are glass protected. The glass can be easily removed for cleaning.

- **Almost instant full cure with no heat.**  
8-60 seconds at 50mm (2") from the curing surface.

- **Successfully tested on UV paint products by the major paint manufacturers** (Akzo Nobel, BASF, PPG, Axalta, Sherwin-Williams, Valspar, ICR, FINIXA, etc.).
- **Cordless. No electric plug needed.**
- **Only emits UV-A. No harmful UV-B & C.**
- **Efficient heat dissipation system assisted by fan.**
- **Safety handling without risk of burns.**
- **Uniform & constant irradiance managed by a state-of-the-art MCPCB.**
- **No need to remove the batteries during the recharging process.**  
The battery charger can be connected directly on the lamp unit.

## General Specifications

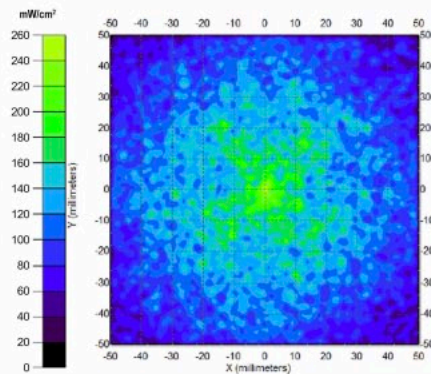
Rechargeable battery type:	Li-ion 18.5 VOLT - 3,000mAh
Battery charge cycles life:	1,000 cycles
Battery autonomy:	2 hours
Battery charger:	110-240VAC, 50-60Hz, Short circuit/Overload protection
LED type:	High power LED
LED lamp wattage:	55 watts
Wavelength:	395nm (UV-A only)
Weight:	1,85 kg (4 lbs)
Lamp unit dimensions:	300mm (11-4/5") L x 110mm (4-1/2") W x 200mm (8") H

## Technical Specifications

	@ 50mm (2") curing distance	@ 200mm (8") curing distance
Curing zone dimensions:	100mm x 100mm (4" x 4")	250mm x 250mm (10" x 10")
Emitting zone dimensions:	80mm x 80mm (3-1/5" x 3-1/5")	80mm x 80mm (3-1/5" x 3-1/5")
Curing time:	8 ~ 60 seconds	60 ~ 120 seconds
Average Irradiance:	112.8 mW/cm <sup>2</sup>	21.7 mW/cm <sup>2</sup>
Peak Irradiance:	200.0 mW/cm <sup>2</sup>	40.0 mW/cm <sup>2</sup>
Nbr. LED UV:	12	
Body lamp material:	Aluminium	
Cooling system:	Passive Thermal Management System enhanced with fan	
LED lifetime:	35,000 hours	

## Irradiance results:

The LED units are driven through a specially designed control system allowing a constant and uniform irradiance during the complete battery autonomy.



## Control System:

Controlled through a membrane switch allowing 2 different control modes: **Automatic & Manual Mode.**



Digital counter, battery level symbol and control mode displayed on screen.

The **MANUAL MODE** allows the operator to simply press on the trigger to start a curing process.

## Storage case:

The SPECTRATEK InstaCure UVLED is provided with a storage case made of durable material. Battery charger, AC cable and UV safety goggles also included.

