



Energy Efficiency \Rightarrow Prosperity



UV-C CORONA DISINFECTION SYSTEM Model - LTN-UV-C-1-ANALOG / DIGITAL



Capacity: 50 Ltrs.

UV-C Technology Tested & Recommended by DRDO.

LIGHTRON INDUSTRIES PVT. LTD.

UV-C CORONA DISINFECTION BOX: Model – LTN-UV-C-1-ANALOG / DIGITAL
TECHNICAL SPECIFICATION:

Disinfection Level:	Kills More than 99.99% Corona or any other Virus and Bactrias.
Analog Timer:	Auto Power Off 10 minutes (or the time set by you) count down timer with cracking sound.
Digital Timer:	Set the desired time in minutes on count down Digital Timer according to Operating Manual enclosed.
Door Unlock Safety:	Safety Switch turns off the UV Lamp if door is opened in between the disinfection process.
Light Check:	To ensure lamps are glowing inside, you may look at the UV-C Light through front door carved out UV-C Window. The look through panel is covered with UV-C blocking Acrylic Sheet so it is Safe to look at it.
Interior Surfaces:	Chrome coated interior for sufficient reflection and refection of UV-C Light for 360° Disinfection.
Power On / OFF:	ON / OFF Rocker Switch with light indication.
Lamp Specification:	2x11W OSRAM / PHILIPS Germicidal UV-C Lamps of Wave Length 253.7 nM.
Bottom Plate Form:	100% transparent unbreakable wire mesh tray to place items on it for disinfection.
Power Supply:	230V 50Hz. through detachable 3 Pin/wire molded cable with earthling and user replaceable 5A Glass cartridge fuse at input socket.
Powered by:	2 x 11W LIGHTRON make Electronic Ballasts (Chokes).
Capacity:	50 Ltrs.
Dimensions:	43x30.5x38 cms.
Net Weight:	7.5 kg.

UV-C TEST REPORT

UV-C Source	2x11W OSRAM / PHILIPS Germicidal Lamps
Wave Length (nm)	<u>253.7 nm</u>
IRRADIATION (mW/cm ²)	<u>0.39</u>
UV Dose / Fluence Rate (mJ/cm ²) in 60 seconds	<u>23.4</u>
UV Dose / Fluence Rate (mJ/cm ²) in 120 seconds	<u>46.8</u>
UV Dose / Fluence Rate (mJ/cm ²) in 300 seconds	<u>117.0</u>

SALIENT FEATURES:

1. Corona Disinfection System is based on UV-C Light Technology Tested and Recommended by DRDO (Defense Research & Development Organization) as preventive measure to transmission of covid-19
2. Eco friendly and non-contact sterilization kills all Bactria and inactive virus e.g. covid-19. e.g. E.coli, salmonella, influenza etc. within few minutes
3. Easy to operate with timer setting.
4. safe to operate due to auto cut off UV Light when door is open
5. compact design, light weight can be placed at home, office and hospital etc.
6. A "MADE IN INDIA" products with high quality lamps, Electronic ballast and other parts.

ITEMS THAT CAN BE DISINFECTED:

Food Stuff:	Vegetable, Fruit, Milk Packet, Grain / sugar packets, packed food etc.
Personal Items:	Purse, Hand Bag, Key, Diary, Pen, Comb, vision Glasses etc.
Electronic Items:	Lap Top, Mobile Phone, Remote, Charger, Power Banks etc.
Baby Items:	Toys, Milk/Water Bottles, Nepkin, Small Cloth etc,
Hospital Items:	Surgical, Clinical Instruments etc.

**USER MANUAL / OPERATION INSTRUCTIONS:
Quite Easy and Simple to operate:**

1. Put the items to be disinfected on plate form, left about 1/3rd space empty below top for better disinsection.
2. Close and lock the door firmly.
3. Switch On the Power Switch.
4. Rotate the timer knob fully clockwise to set 10 minutes time. / Set the Digital timer to desired time as per operating manual enclosed.
5. Digital time starts count down and reaches 0 with bazar sound.
6. Timer starts count down by anticlockwise movement giving tick-tick sound. (Analog Timer only)
7. As the timer reaches back to its 0 position tick-tick sound goes off and light in Power ON/OFF switch disappears.
8. 5 minutes disinfection time is sufficient, if you need more, again set the timer desired time.
9. Switch OFF power switch.
10. Now unlock and open the door.
11. Take out disinfected items from the box.
12. Clean the tray with dry cloth.
13. Close the door

CAUTION: .Exposing UV Light directly to Eyes or Skin for longer time is harmful.

ITEMS THAT CAN BE DISINFECTED:

Safety at Home



Packed Food



Wallet & currency



Masks & gloves



Jewelry & Ornament



Toys



Electronic devices

Safety at Workplace



Currency



Files/folders



Electronics



Packaged food



Keys



Mail

Safety at Hospital



Thermometer



Medical Tools



Mask/gloves



Surgical Instruments



Boxes



Paper

Galaxy of our L.E.D. Lamps & Luminaries



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