

**User Manual**

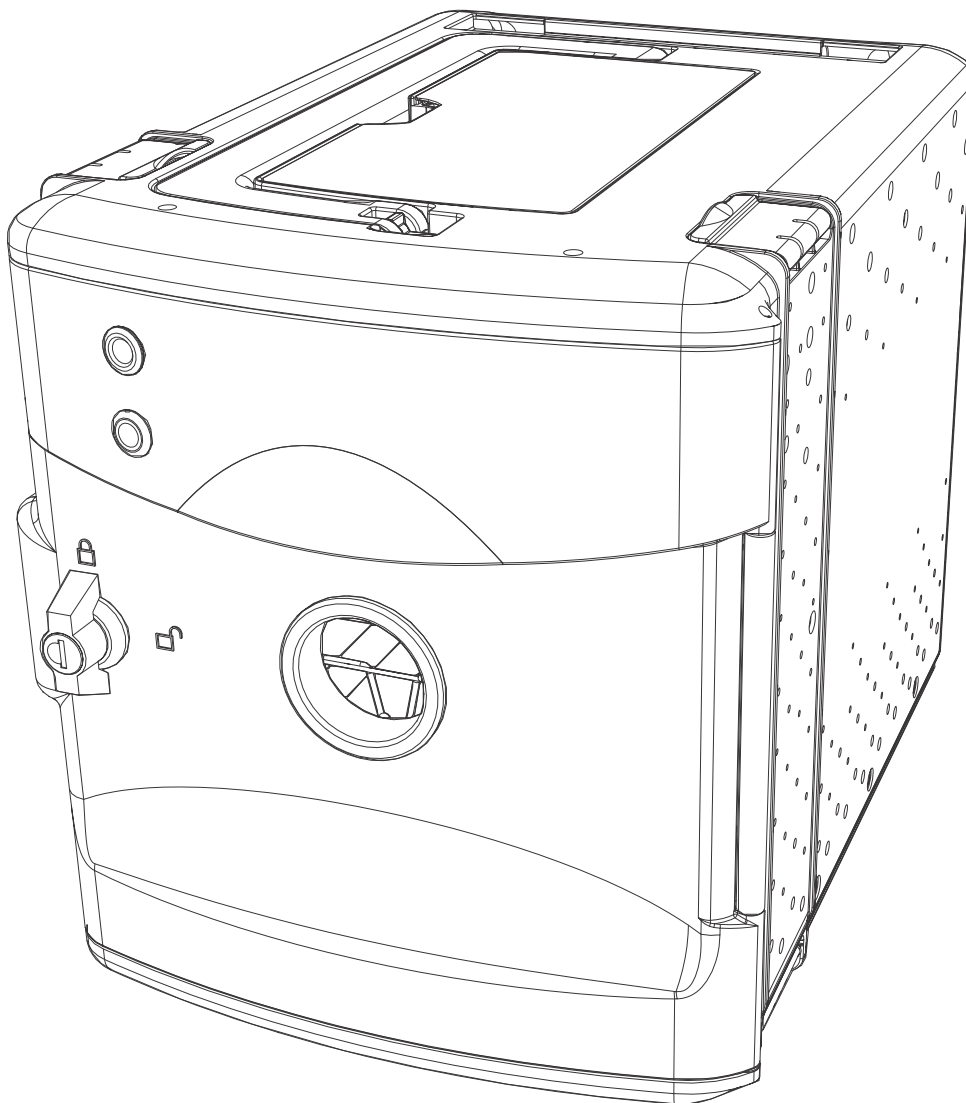
FTT-UV_2020_A

Check out our other products online at
www.copernicused.com

For assistance, please contact us:

1-800-267-8494Email info@copernicused.com**Have your packing slip ready for reference****WARNING**

- This product is meant to be assembled by an adult.
- In its unassembled state, small parts present a hazard.
- To be used under direct supervision of an adult.

**Please Recycle**



User Manual

FTT-UV_2020_A

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Dear Educator,

Thank you for purchasing the UV Tech Tub®. We hope it meets all your expectations and you and your students enjoy using it in your school.

If you have any questions, concerns or ideas on how we can improve please let us know by contacting our Customer Solutions Ninjas at 1-800-267-8494 or info@copernicused.com.

Happy teaching,

Kaylyn Belcourt
 President

We do not inherit the earth from our ancestors, we borrow it from our children.

Change is the end result of all true learning.

What you leave behind is not what is engraved in stone monuments, but what is woven into the lives of others.

Education is the most powerful weapon which you can use to change the world.

LEO BUSCAGLIA

NORTH AMERICAN

PROVERB

PERICLES

NELSON MANDELA

Lifetime
 Tub
 Warranty

Register your Product

Registering your warranty ensures we have all the information we need to make any future warranty claims quick and easy. Please visit www.copernicused.com/warranty and complete the form within 10 business days from product assembly. By registering your product, you will be entered into a draw to win Copernicus product.

1
Year
 UV Bulb
 Warranty

Make a Warranty Claim

We offer a Lifetime Warranty on almost everything we make. Please call 1-800-267-8494 or email info@copernicused.com to start your warranty claim. Proof of purchase will be required upon warranty claim (i.e. copy of invoice).

1
Year
 Electrical
 Components
 Warranty



Important Safety Instructions

This product conforms to the applicable provisions of applicable US Federal requirements, including 21 CFR, Chapter 1, Subchapter J. Radiological Health.

Important Safeguards

When using an electrical appliance, especially when children are present, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT

DANGER - To reduce the risk of electrocution:

Always unplug this product immediately after using.

Always unplug this furnishing from the electrical outlet before cleaning or servicing.

WARNING - To reduce the risk of burns, electrocution, fire, or injury to persons:

Eye damage may result from directly viewing the light produced by the lamp in this apparatus. Always ensure that lamps are off before opening door.

This door is provided with an interlock to reduce the risk of excessive ultraviolet radiation. Do not defeat its purpose or attempt to service.

This cabinet is designed for use with germicidal lamps and must be installed in compliance with competent technical directions to prevent the user's eye and bare skin from exposure to harmful ultraviolet radiation.

Turn off power switch before unplugging. Unplug from outlet before putting on or taking off parts.

Do not allow to be used as a toy. Close supervision is necessary when this product is used by, on, or near children, invalids, or disabled persons.

Use this product only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.

Never operate this product if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Contact Copernicus customer service to arrange examination and repair.

Never drop or insert any object into any opening.

Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners.

Do not use outdoors.

Do not rest and/or operate appliance on cord. Keep the cord away from heated surfaces.

Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

Important Safeguards Continued

Do not handle plug or appliance with wet hands.

This product may create small amounts of ozone during disinfection. Ensure that the concentration of ozone in the room where equipment is used is limited to a safe value.

Do not connect more than three UV Tech Tub®s.

This product is intended to be used, stored and operated on an elevated surface (countertop, table, etc.) that is more than 30 inches (76.2 cm) above the floor, regardless of single, double or triple configurations.

This product cannot be stored or operated on the floor in a single, double, or triple configuration. Failure to follow this instruction could lead to injury and/or damage to the product.

Do not load the inner rack with more than 5 lb (2.27 kg) in weight.

Grounding Instructions

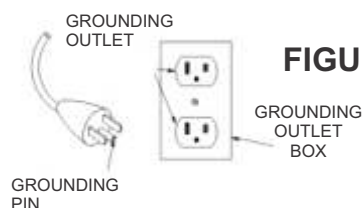
This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

DANGER - Improper use of the grounding plug can result in a risk of electric shock.

Check with a qualified electrician or service person if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

This product is factory equipped with a specific electric cord and plug to permit connection to a proper electric circuit. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product. Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician. If the product must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel.

If it is necessary to use an extension cord, use only a three wire extension cord that has a three-blade grounding plug, and a three-slot receptacle that will accept the plug on the product. Replace or repair a damaged cord.



SAVE THESE INSTRUCTIONS



Directives de sécurité importantes

Ce produit est conforme aux dispositions applicables des exigences fédérales américaines applicables, dont la réglementation 21 CFR, chapitre 1, sous-chapitre J. Santé radiologique.

Mesures de protection importantes

Lors de l'utilisation d'appareils électriques, en particulier en présence d'enfants, des précautions de sécurité de base doivent toujours être prises, notamment:

LIRE TOUTES LES DIRECTIVES AVANT D'UTILISER CE PRODUIT

DANGER - Pour réduire le risque d'électrocution:

Toujours débrancher ce produit immédiatement après l'emploi.

Toujours débrancher cet appareil de la prise électrique avant de procéder à des travaux de nettoyage ou d'entretien.

AVERTISSEMENT – Pour réduire le risque de brûlure, d'électrocution, d'incendie ou de blessure:

Des lésions oculaires peuvent résulter de la visualisation directe de la lumière produite par la lampe dans cet appareil. Éteignez toujours la lampe avant d'ouvrir la porte.

Cette porte est dotée d'un verrouillage pour réduire le risque de rayonnement ultraviolet excessif. N'allez pas à l'encontre de son objectif et n'essayez pas de réparer.

Ce luminaire est conçu pour être utilisé avec des lampes germicides et doit être installé en stricte conformité avec les instructions afin d'éviter que les yeux ou la peau de l'utilisateur ne soient exposés aux effets néfastes des rayons.

Éteignez l'interrupteur d'alimentation avant de débrancher. Toujours débrancher le produit de la prise avant d'ajouter ou de retirer des pièces.

Ne jamais permettre que l'appareil soit utilisé comme un jouet. Une surveillance étroite est nécessaire lorsque ce produit est utilisé par, sur ou près d'enfants, d'invalides ou de personnes handicapées.

Utiliser uniquement ce produit pour l'usage auquel il est destiné, tel que décrit dans ce manuel. Ne pas utiliser d'accessoires non recommandés par le fabricant.

Ne jamais utiliser ce produit si son cordon d'alimentation ou sa fiche sont endommagés, s'il ne fonctionne pas correctement, s'il est tombé ou a été endommagé, ou s'il est tombé dans l'eau. Contacter le service à la clientèle de Copernicus pour le faire inspecter et réparer.

Ne jamais laisser tomber ni insérer d'objet dans une ouverture.

Ne pas tirer sur le produit ou le transporter par le cordon d'alimentation, utiliser le cordon comme une poignée, refermer une porte sur le cordon ou faire passer le cordon par des bords ou des coins tranchants. Ne pas laisser reposer ou faire fonctionner l'appareil sur le cordon d'alimentation. Tenir le cordon à l'écart des surfaces chauffées.

Ne pas utiliser le produit à l'extérieur.

Mesures de protection importantes – Suite

Ne pas manipuler la fiche ou l'appareil avec les mains mouillées.

Ne pas débrancher le produit en tirant sur le cordon d'alimentation. Pour débrancher le produit, saisir la fiche et non le cordon.

Ce produit peut créer de petites quantités d'ozone pendant la désinfection. Assurez-vous que la concentration d'ozone dans la pièce où l'équipement est utilisé est limitée à une valeur sûre.

Ne connectez pas plus de trois UV Tech Tub®.

Ce produit est destiné à être utilisé, stocké et utilisé sur une surface surélevée (comptoir, table, etc.) à plus de 30 pouces (76,2 cm) au-dessus du sol, quelles que soient les configurations simples, doubles ou triples.

Ce produit ne peut pas être stocké ou utilisé au sol dans une configuration simple, double ou triple. Le non-respect de ces instructions peut entraîner des blessures et / ou endommager le produit.

Ne chargez pas le panier intérieur avec un poids supérieur à 5 lb (2,27 kg).

Directives de mise à la terre

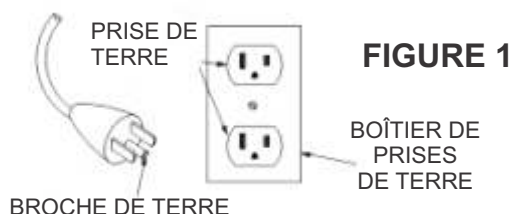
Ce produit doit être mis à la terre. En cas de court-circuit électrique, la mise à la terre réduit le risque de choc électrique en fournissant un fil d'échappement pour le courant électrique. Ce produit est équipé d'un cordon d'alimentation ayant un fil de mise à la terre avec une fiche de mise à la terre. La fiche doit être branchée dans une prise correctement installée et mise à la terre.

DANGER - Une mauvaise utilisation de la fiche de mise à la terre peut entraîner un risque de choc électrique.

Vérifier auprès d'un électricien ou d'un technicien qualifié si les directives de mise à la terre ne sont pas complètement comprises ou en cas de doute quant à la mise à la terre du produit.

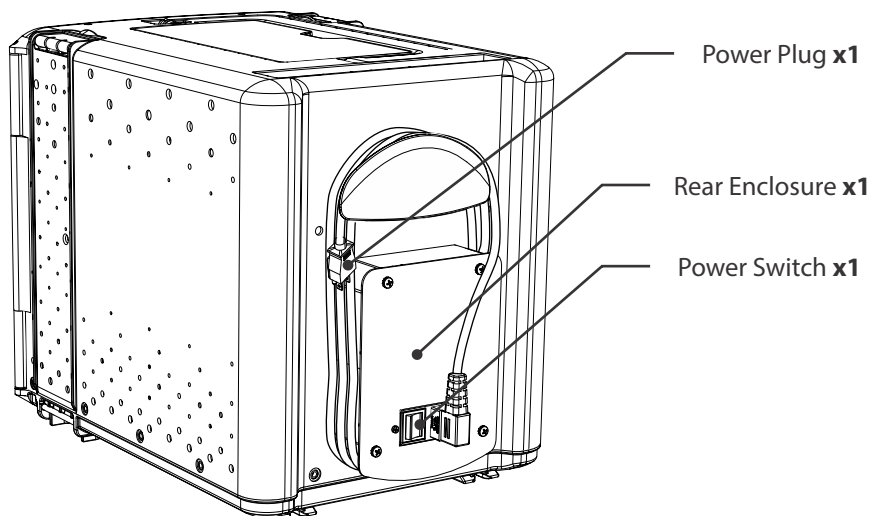
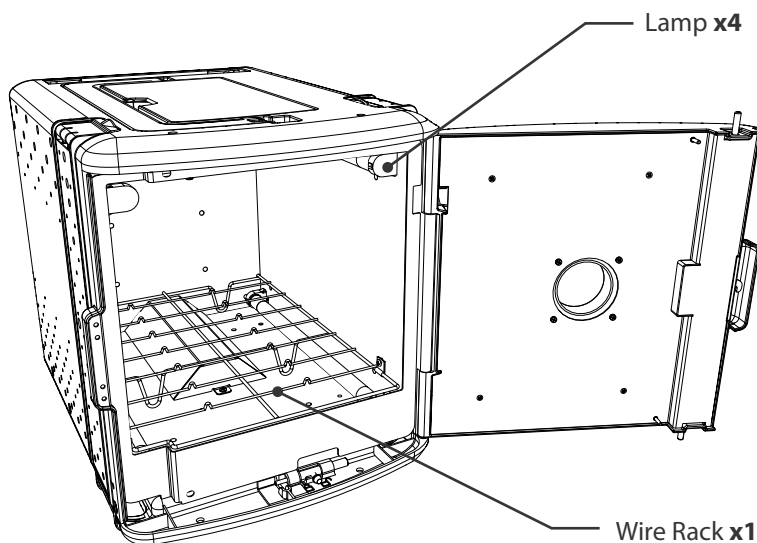
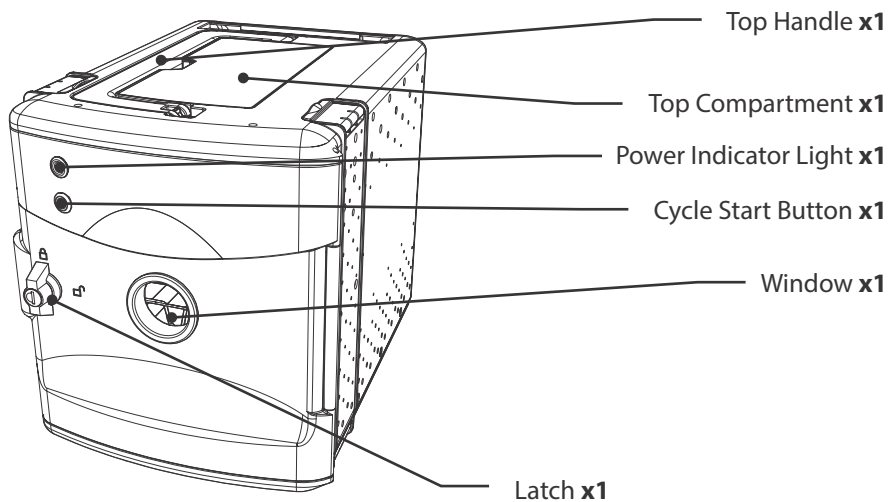
Ce produit est équipé en usine avec un cordon d'alimentation et une fiche électrique spécifiques pour permettre le branchement à un circuit électrique adéquat. S'assurer que le produit est branché à une prise de même configuration que celle de la fiche. Aucun adaptateur ne doit être utilisé avec ce produit. Ne pas modifier la fiche fournie - si elle ne s'adapte pas à la prise, faire installer une prise adéquate par un électricien qualifié. Si le produit doit être rebranché pour être utilisé sur un circuit électrique différent, le branchement doit être effectué par un personnel qualifié.

S'il est nécessaire d'utiliser une rallonge, utiliser uniquement une rallonge à trois fils dotée d'une fiche de mise à la terre à trois lames et une prise à trois fentes qui acceptera la fiche du produit. Remplacer ou réparer un cordon d'alimentation endommagé.



CONSERVER LES PRÉSENTES DIRECTIVES

Product Specifications

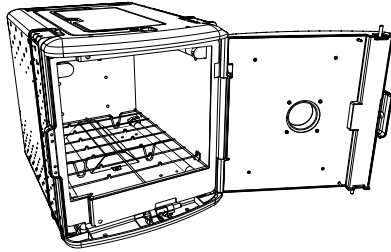


Product Weight (Empty, fully assembled)	15.2lbs (6.9kg)
External Dimensions (H x W x D)	13 1/8" x 11 3/4" x 17 7/8" 33.4 cm x 30.0 cm x 45.5 cm
Inside Chamber Dimensions (H x W x D)	8 1/2" x 9 1/2" x 12 3/4" 21.0 cm x 24.5 cm x 32.0 cm
Bulb Type	4x Philips TUV 8W with shatterproof sleeve
Bulb Life	11,000 hours per bulb
Power Input	120VAC 60 Hz 1.25A
Fuse	Time-delay 1.25A 250VAC
Disinfection Cycle Time	1 minute
Certification	UL 962 CSA C22.2

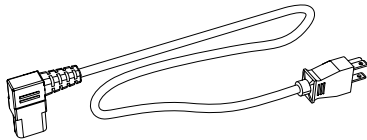
Before beginning, you should have:

Contents

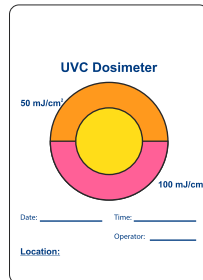
UV Tech Tub
1x



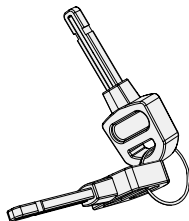
Power Cord
1x
25527



Dosimeter Test Cards
12x
26100



Keys
2x
430446



Watch for This Helpful Symbol

Watch for this symbol throughout this user manual. Wherever you see it, pay close attention to ensure it is done correctly.



Before You Begin

- Lay out and identify all of the included parts.
- Read the assembly guide over once to familiarize yourself with them.



Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

As You Assemble the Unit

- Follow the steps in sequence.
- Before beginning each step, find the part(s) that you need for that step.
- Pay attention to the labels on the parts; they are there to help direct you at certain stages.
- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.

Customer Service

For missing parts and other issues regarding your product, please contact Customer Service, where we will be happy to help.

1-800-267-8494. Monday - Friday 8:00am - 4:30 pm EST.

OR

Email at info@copernicused.com

**Need Tech Support?
Have a Question?**



Email our Tech Support Service

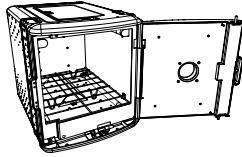
**Check out some of our
other great products!**



www.copernicused.com

1

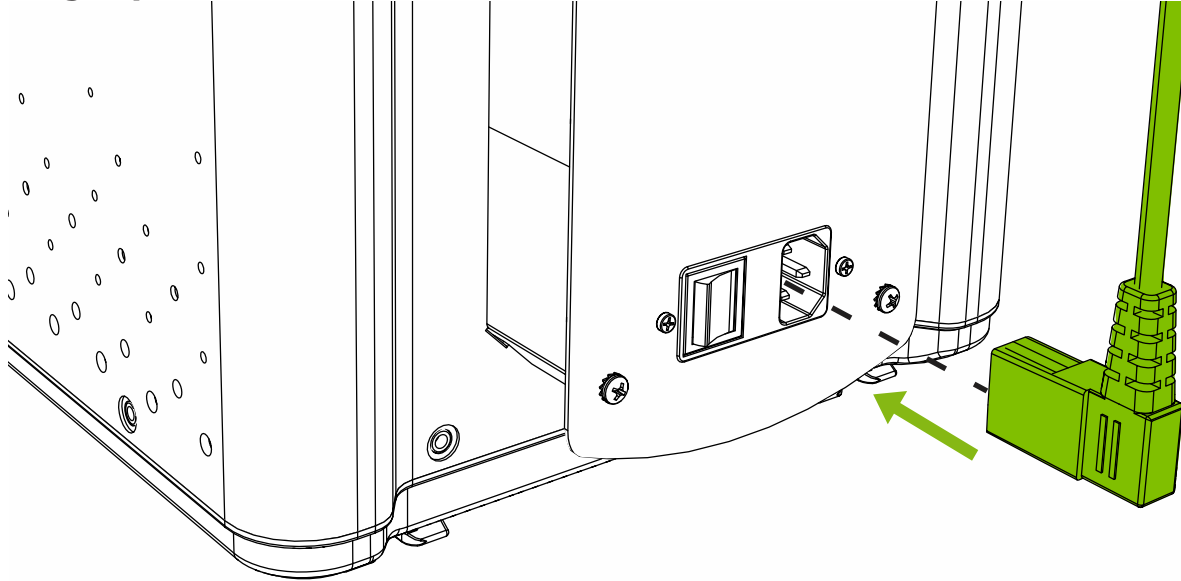
You will need: UV Tech Tub
1x



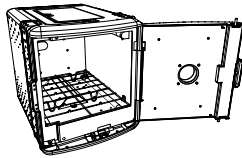
Power Cord
1x



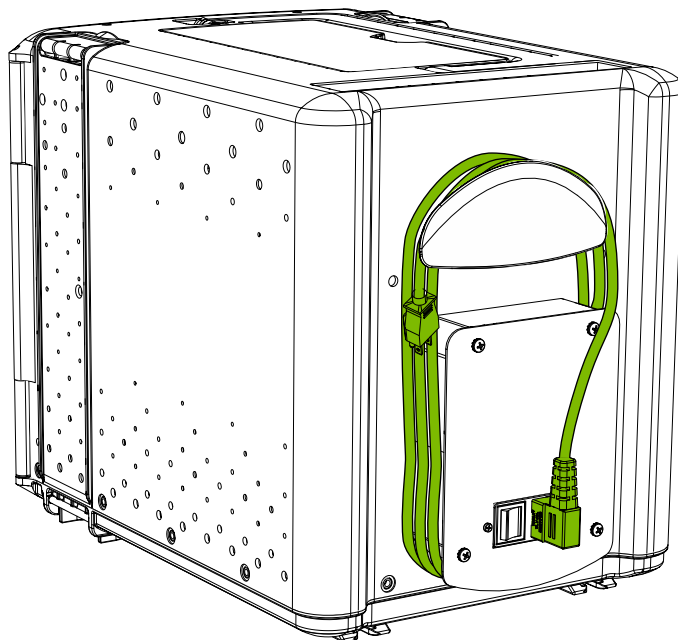
Plug in power cord

**2**

You will need: UV Tech Tub
1x



Wrap power cord



How to disinfect an item

To use the UV Tech Tub® for surface disinfection, first ensure that the product is plugged in (A) and the power switch (B) is turned on.

Once the power switch has been turned on, the green power indicator light (C) on the door will illuminate, indicating the unit is on.

Place the item (laptop shown) on the rack in the center of the chamber. Be careful to not hit the lamps in the upper corners.

Ensure that items like laptops are open so that the display and keyboard are exposed. Ensuring that all surfaces are exposed as much as possible is critical for proper surface disinfection. Surfaces that do not receive UV radiation will not be disinfected.

If visibly soiled, wipe down prior to running disinfection cycle. Dirt, dust, and debris can impact disinfection effectiveness.

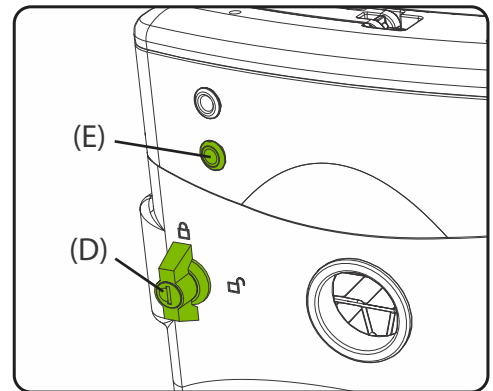
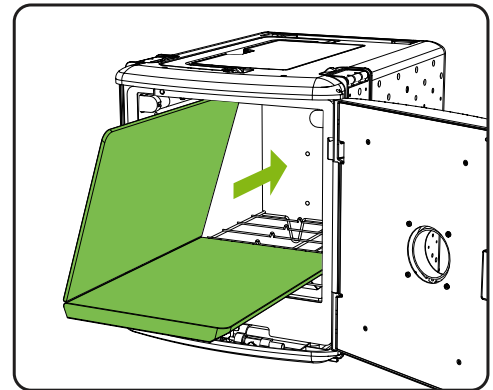
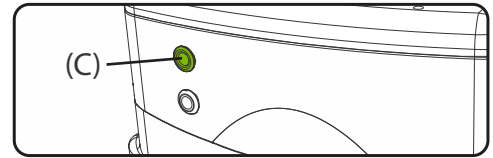
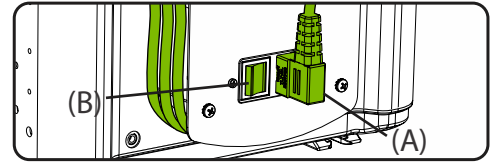
Close the door and ensure that the latch (D) is fully engaged. A disinfection cycle cannot be started if the door is not closed fully.

With the power indicator light (C) illuminated, press the red cycle start button (E) to begin 1-minute disinfection cycle. During the cycle, the red cycle start button light will remain illuminated and the UV bulbs inside will turn on.

The red cycle start button light (E) and bulbs inside the chamber will turn off when the disinfection cycle is complete.

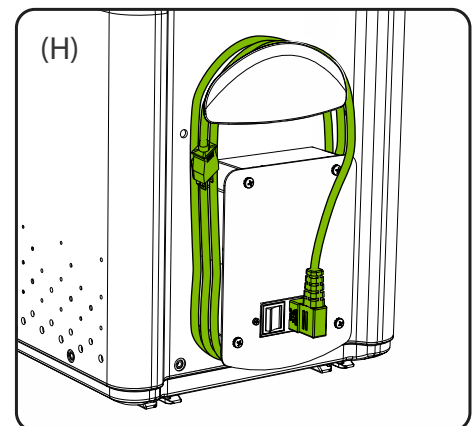
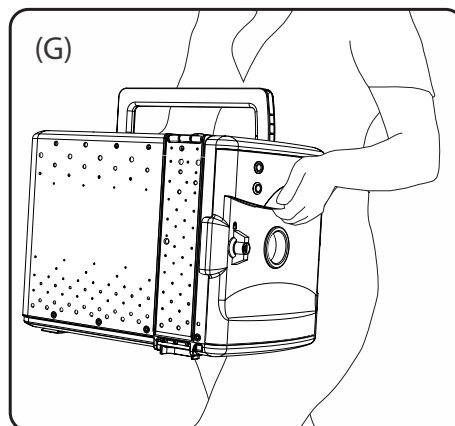
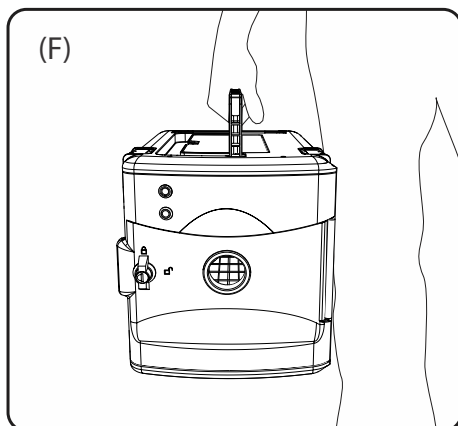
Your item has now been disinfected!

If the door is opened during the disinfection cycle, the lights will immediately shut off. Restart the disinfection cycle by closing the door and pressing the cycle start button.



How to carry the UV Tech Tub®

There are two ways to carry the UV Tech Tub®: the flip-up handle on the top (F) or the two handles on the door and back (G). Ensure that the power cord is unplugged and wrapped around the cable hooks on the back of the UV Tech Tub® (H).



About the UV bulbs used in UV Tech Tub®

The UV Tech Tub® uses four Philips TUV 8W bulbs.

The UV bulbs have shatterproof sleeves to prevent glass and mercury from escaping in the event the bulb's glass tube is damaged or broken.

In the event that a bulb is damaged or broken, follow the steps below to remove and dispose of the bulb.

If a bulb is damaged or broken:

Before cleanup, have people and pets leave the room to avoid accidental exposure to mercury or broken glass.

To remove the damaged bulb (or bulbs), rotate the bulb(s) 90-degrees and remove from bulb holders. Depending on the level of damage, a bulb may not require 90-degree rotation to be removed. Careful attention should be paid.

Inspect the interior of the UV Tech Tub® to ensure no fragments broke away from the bulb and out of the shatterproof sleeve.

Recycling and disposal:

Do not throw damaged bulbs into the garbage - recycle them! The UV bulbs in this product can be recycled just like fluorescent bulbs.

Here are some reasons to recycle these bulbs:

- Bulbs often break when thrown in a landfill and recycling prevents the release of mercury into the environment.
- Other materials in the bulbs get reused.
- Your area may prohibit disposal and/or require recycling.

Many government and environmental agencies have developed collection/exchange programs for mercury-containing devices such as fluorescent and UV bulbs. Some counties and cities also have household hazardous waste collection programs. For information about these programs, contact your local officials to find out when and where a collection will be held in your area.

Replacement bulbs:

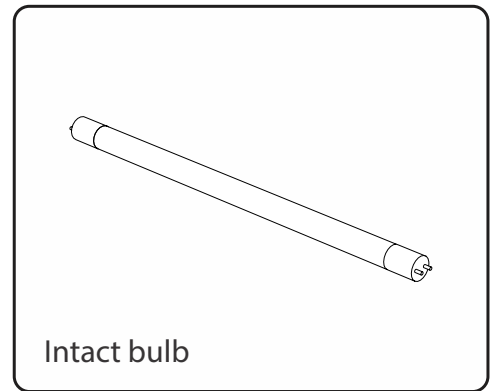
WARNING – Risk of Fire or Electric Shock. Replace ultraviolet (UV) lamp only with type TUV 8W by Philips

AVERTISSEMENT - Risque d'incendie ou d'électrocution. Remplacez la lampe ultraviolette (UV) uniquement par le type TUV 8W de Philips

To purchase *Philips 8W TUV bulb with shatterproof sleeve* replacement bulbs, please call Copernicus Educational Products at **1-800-267-9494** or visit **www.copernicused.com**.

Replacement bulbs must be purchased through Copernicus Educational Products and approved selling partners. The use of replacement bulbs from alternative sources will void the warranty of this product.

It is recommended that when one undamaged bulb is no longer emitting stable light (flickering, dimming, etc.), that the malfunctioning bulb and all other bulbs be replaced. In many cases, if one bulb requires replacement then the remaining bulbs will likely require replacement in a short period of time. It is critical that all bulbs in this product are performing at the same, proper level of operation.



Window Visual Inspection

The UV Tech Tub® is equipped with a glass window that allows the end user to visually inspect the working status of each Philips TUV bulb during a disinfection cycle.

To inspect the bulbs of the UV Tech Tub®, follow these steps:

1. Start a disinfection cycle.
2. During the cycle, peer through the window at each bulb. If all bulbs are illuminated, then the device is functioning normally. If a bulb, some bulbs, or all of the bulbs are not illuminated, please proceed to the TROUBLESHOOTING section for next steps.

Note: Although this window blocks harmful levels of radiation energy, extended eye exposure is not recommended. Do not peer through this window for more than 1 minute at a time.

Dosimeter Test Cards

The UV Tech Tub® includes twelve medical grade testing cards to check the effective germicidal UVC energy levels emitted by the UV Tech Tub®. These testing cards are commonly used in hospitals for UV room disinfection to ensure proper patient care by reducing the spread of pathogens.

The photosensitive region on the testing card changes color when exposed to UVC radiation. The more radiation the card receives, the more the color region changes. These testing cards give UV Tech Tub® users the confidence that the product is operating effectively.

To check that the bulbs in the UV Tech Tub® are emitting effective germicidal UVC radiation, follow these steps:

1. Cut the dosimeter card down the middle as shown in Figure 2. This will extend the amount of testing cards for checking your germicidal radiation. Cutting the card will not impact the card's function.
2. Empty chamber of UV Tech Tub®, items inside will impact test results. Remove the adhesive backing on the test card (Figure 3) and apply to the rear wall of the chamber in the UV Tech Tub® as shown in Figure 4.
3. Close door and begin 1-minute disinfection cycle.
4. After cycle is complete, peel card off wall. Compare the color of the test card (A) to the color reference chart found on the top cover of your UV Tech Tub® (Figure 5).
5. If the color region on the test card matches the correct color as indicated by the color reference chart (B) then your UV Tech Tub® is working normally. If the color region on the test card does not match, please proceed to the TROUBLESHOOTING section for next steps.

Note:

Monthly checks are recommended to ensure that the product is disinfecting properly. Keep testing cards in sealed bag, out of light until use. Testing cards are single use only. Testing cards expire after two years. Replacement testing cards are available at www.copernicused.com

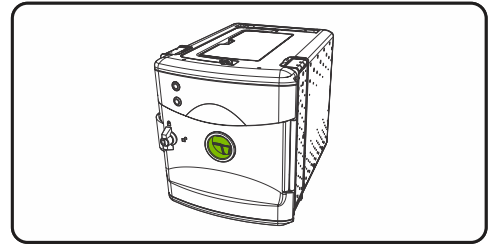


Figure 1 - Inspect bulbs through window

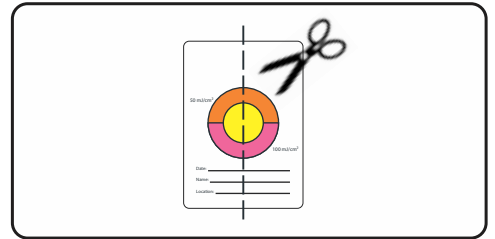


Figure 2 - Cut dosimeter down the middle

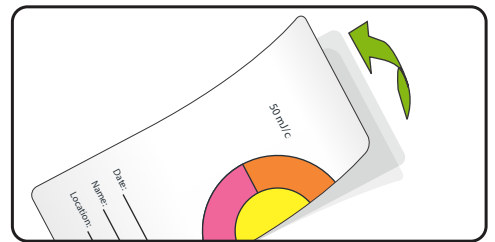


Figure 3 - Peel off backing

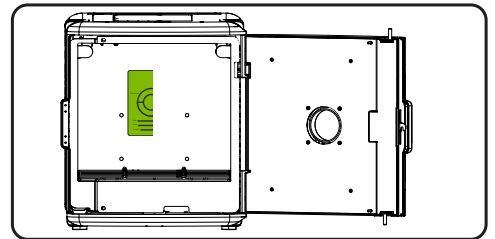


Figure 4 - Apply test card to rear chamber wall

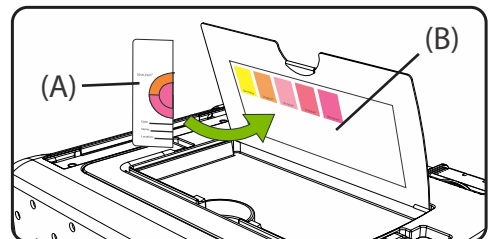


Figure 5 - Compare color of card to chart

UV Tech Tub® Cleaning Tips

Ensure that the UV Tech Tub® is turned off and unplugged from wall receptacle before cleaning.

Clean the exterior and interior of the UV Tech Tub® with a cloth dampened with a small amount of water.

Do not use any solvent to clean the equipment.

Stubborn stains may be removed with a cloth slightly moistened with a solution of mild soap and warm water.

Dry with a clean, non-abrasive cloth. Allow time to dry before plugging in and turning back on.

Window Cleaning Tips

Clean the tempered glass surface with a soft cloth dampened with a small solution of mild soap and warm water.

Do not use any solvent to clean the equipment.

Take a sponge or soft cloth and use it to remove the soap-water mixture.

Dry with a new, clean non-abrasive cloth and wipe the glass dry.

Disinfecting the UV Tech Tub®

The UV Tech Tub® features several touchpoints that require frequent disinfection.

Remember to clean and disinfect the latch knob (A), the cycle start button (B), the flip-up handle (C), and the two handles on the door and back (D, E).

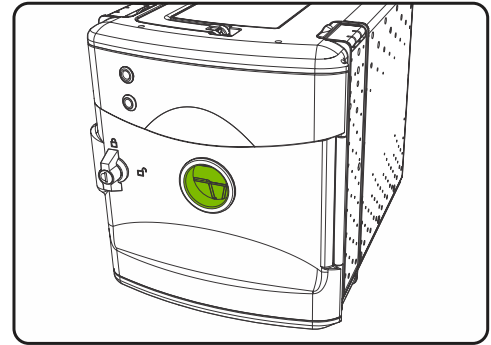
It is important to disinfect these high touch areas to avoid decontaminating disinfected items.

UV Testing Card Storage

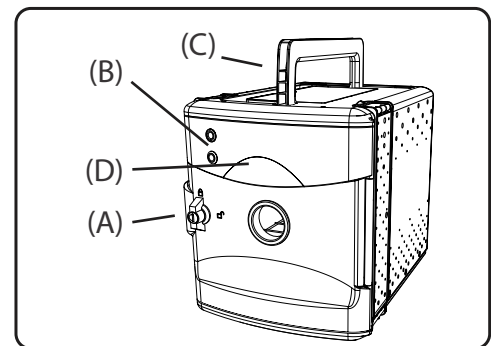
Keep and store your unused UV testing cards in the provided resealable bag.

This bag must be stored inside of the top compartment (F) and out of daylight until use.

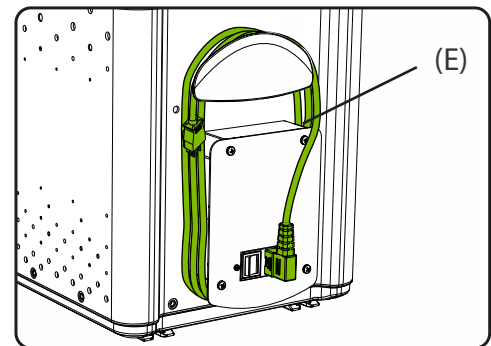
Ensure that the top compartment door is closed when not in use.



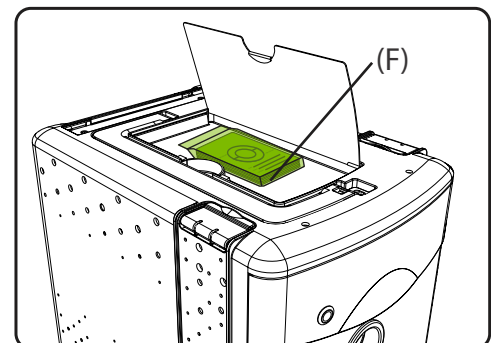
Window cleaning



Clean and disinfect these areas

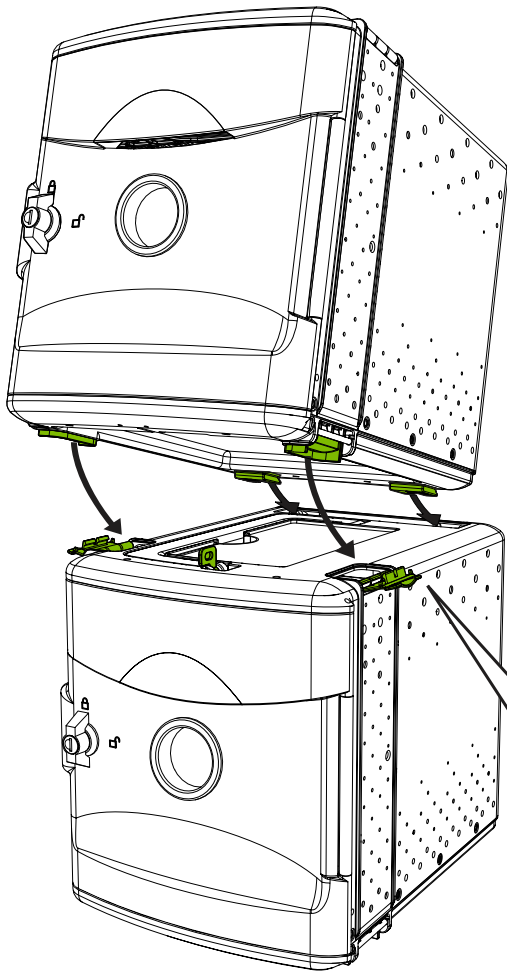


Clean and disinfect these areas

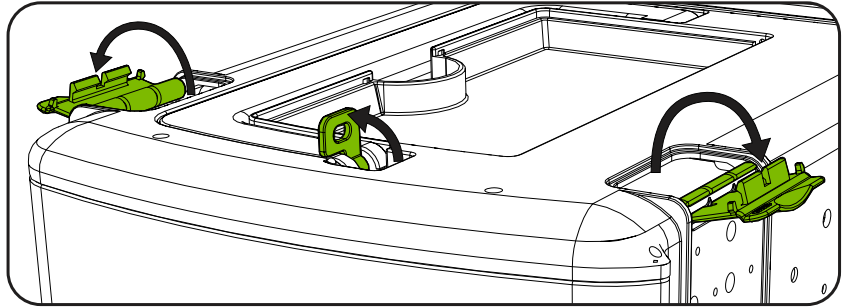


Store UV testing cards in top compartment

Connecting UV Tech Tub®s



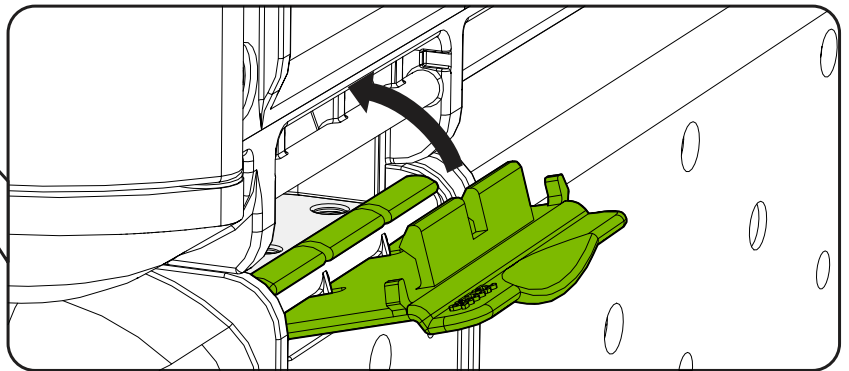
- 1 Flip up Locking Tab and Open side Flip Locks on lower tub



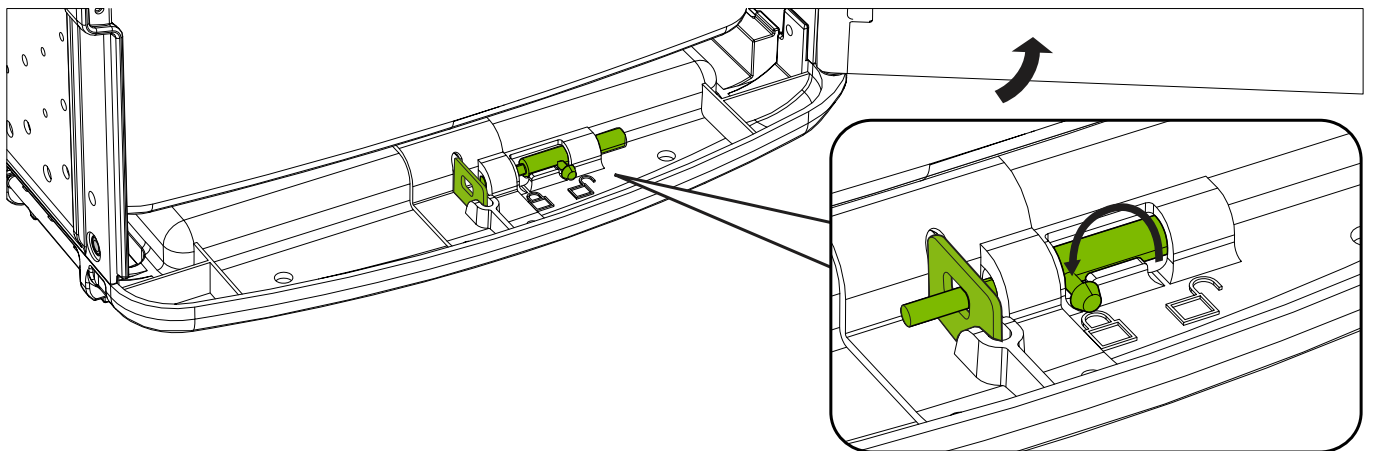
- 2 Insert back feet of upper tub into slot on top of lower tub

- 3 Insert front feet of upper tub into holes on top of lower tub

- 4 Connect upper and lower tub using side Flip Locks



- 5 Open the front door of upper tub and slide locking pin through metal tab



- 6 Close and lock front door of UV Tech Tub® to secure devices

ATTENTION! Do not connect more than three UV Tech Tub®s. Failure to follow these instructions could lead to injury or damage to your units.

Troubleshooting

Malfunction	Reason	Solution
One (or multiple) bulbs do not illuminate when cycle is started	Door is not fully closed.	Close door completely.
	Bulbs are burned out.	Replace burned out bulbs with new bulbs. Call customer service for replacement bulbs.
	Issue with ballast.	Call customer service for further troubleshooting.
None of the bulbs illuminate	Door is not fully closed.	Close door completely.
	Power switch is not switched to "On".	Check that plug is pushed into receptacle on both ends. Turn power on.
	Bulbs are burned out.	Replace burned out bulbs with new bulbs. Call customer service for replacement bulbs.
	Issue with ballast or control circuit.	Call customer service for further troubleshooting.
Power Indicator Light does not illuminate	Power switch is not switched to "On".	Check that plug is pushed into receptacle on both ends. Turn power on.
	Fuse is blown.	Inspect fuse. Call customer service for replacement fuse if blown.
Start Cycle Light does not illuminate or start cycle	Power switch is not switched to "On".	Turn power on. Ensure door is closed. Check that plug is pushed into receptacle on both ends.
Bulbs do not turn off when door is open	Malfunction of safety kill switches.	Close door immediately. Turn off power and unplug from wall. Call customer service for further troubleshooting.
Testing card color region is showing low energy levels	Bulbs are burned out.	Replace burned out bulbs with new bulbs. Call customer service for replacement bulbs.
	Issue with ballast.	Call customer service for further troubleshooting.
Disinfection cycle is longer than 1 minute	Issue with timer module.	Call customer service for further troubleshooting.

If these troubleshooting steps did not solve the issue you are experiencing, please call Copernicus Customer Service, where we will be happy to help.

Telephone 1-800-267-8494 Monday - Friday 8am - 4:30 pm EST. or email at info@copernicused.com