UVCpectra

UVCpectra TUBE ULTRA 300

UVCpecta StandAlone ULTRA 300

USERS MANUAL

Version 1.1

INDEX   Page #:

1- Company Information

Company Name : LTC Light Trade Centre Aydinlatma San. ve Tic Ltd Sti

Address   : İbrahim Karaoğlanoğlu Cad. No: 101 34418, Seyrantepe /

İstanbul Türkiye

2- Use Area and Technical Specifications

UVCpectra Ultra series are indoor air circulation units, help eliminate all kind of microscopic germicidals.
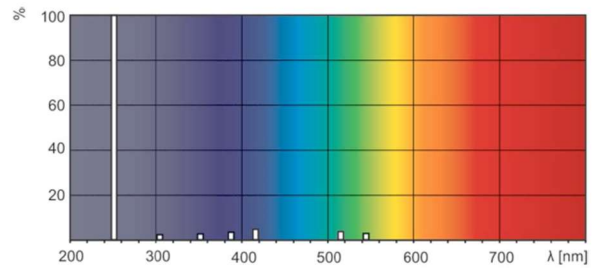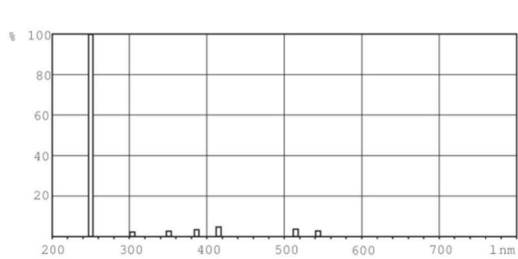
Technical Specifications

	UVCpectra Tube Ultra 300	UVCpectra Stand Alone Ultra 300
Dimensions	160 x 255 x 1470mm	600 x 400 x 1600mm
Electrical Power	230 Watts	230 Watts
Working Voltage	220 - 230 V	220 - 230 V
Frequency	50 Hz	50 Hz
IP Rating	IP 54	IP 54
UVC irradiation at 254nm	75 Watts	75 Watts
Fan Power	25 Watts (max)	25 Watts (max)
Air Flow Rate	200 - 250 m3 / h *	200 - 250 m3 / h *
UVGI Elimination Rate	>99.9%	>99.9%
Installation	Ceiling / Wall	Stand Alone
Lamps	3 x 75 Watts	3 x 75 Watts
Operation Mode	WiFi Controlled	WiFi Controlled

* Air flow rate may change depending on the conditions of temperature, humidity and other factors.

Photometric Data:

3- Warning and Informative Signs

CE	**Conformity to CE standards**
	Do not start the machine before reading users manual
	WARNING! Danger Sign.
	Information Sign
	Protective Ground Connection
	High Voltage Hazard
	Electrics / Electronics Unit. **Do not throw to waste bin.**
	UV IRRADIATION DANGER. **DO NOT EXPOSE THE EYE AND SKIN DIRECT!**

4- Standards

EU Regulations Applied
2014/35 / EU Low Voltage Directive

5- Safety Instructions

Refer to the Users Manual for use and care details.

- In case of any danger, stop the system and provide authorized persons.
- Follow the warning signs and instructions
- Do not use the system and components outside of intended useage area.
- Ask for autharized person's help if error light is blinking.
- Opening of caps and parts may damage electrical components. Only authorized people are advised to do so.
- Ultraviolet C is hazardous to skin and eyes. Do not expose any skin, eyes of human or animals.
- Mercury (Hg) Content (Nom) 5.5 mg / lamp
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- DANGER: Risk Group 3 Ultra Violet product. These lamps emit highpower UV radiation that can cause severe injury to skin and eyes. Avoid direct eye and skin exposure to unshielded lamps. Use only in an enclosed environment which shields users from the radiation.
- Keep away from children's reach

6- Handling and Carrying Information

- Handle with care
- Fluorescent Light bulbs are sensitive. Always handle and carry the unit in original boxing
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

7- Installation and assembly

The products should be installed by authorized staff. Do not open the box before the technical service arrives.
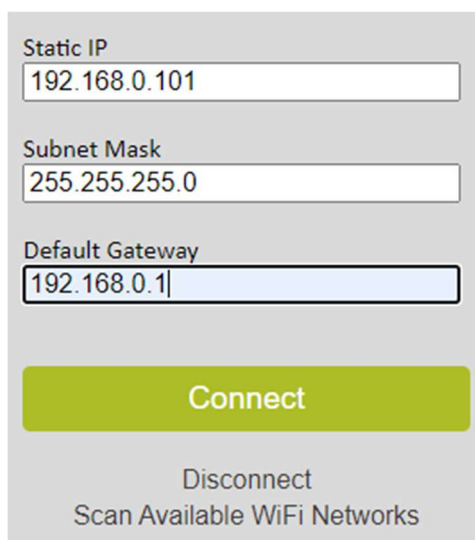
8- Usage Instructions

A- Manual Use (All series)
1- Plug the system to 220V AC outlet
2- Switch ON position
3- The system will start working

B- Wifi Access (ULTRA 300 series only)
1- Plug the system to 220V AC outlet
2- Switch ON position
3- Wait for the Wifi Light to turn orange
4- Use a computer with WiFi, and connect to Systems WiFi (UVCPECTRA_XXXXXX)
5- Default WiFi key is " **uvcpectra** "
6- If the IP address is not automatically assigned to 192.168.4.X, manually change your computers IP address to 192.168.4.10
7- Use a Chrome browser to log in to http://192.168.4.1
8- Enter default password : **1234**
9- On the main screen, goto **Connection** menu on top right
10- Press **Connect Device to WiFi**
11- Select your WiFi network to connect to from the list
12- Enter your WiFi key in password area
13- Entering a static IP is advised for easy access later. (i.e. 192.168.0.100)
14- Consult your IP admin for IP address and Subnet Mask settings

A typical configuration is given below. **Please note the IP address given**. You will need it to access the users interface.

Static IP
192.168.0.101

Subnet Mask
255.255.255.0

Default Gateway
192.168.0.1

Connect

Disconnect
Scan Available WiFi Networks

15- The WiFi light should turn Green, if a successful connection to your WiFi is made
16- Disconnect your computer from UVCPECTRA WiFi Network, and connect to your WiFi network
17- Type in the IP address of system to go to user interface. (i.e. http://192.168.0.101)
18- Enter password (default is **1234**)
19- You can Turn ON / OFF from the user interface.
20- Always start the system with 100% FAN power
21- After one minute, you can decrease the speed of the Fan
22- You can change default password and default WiFi key from the Settings menu
23- Please consult technical service if there is an error signal in the User Interface

Optional:
If you want to access the User Interface from Internet, consult your IP admin to make a port forwarding.

Example: Forward Port 1101 to my UVCpectra

Now you can access with a browser from your internet using below format:

http://yourcompanyInternetIP.com:1101

or: http://213.244.45.66:1101 (Ip address and port needs to be given by your IP admin)

Enjoy the clean air.

Informative Lights and meanings:

WiFi LED

Orange	Working as an Access Point.
Green	Connected to WiFi Network
	Trying to connect to WiFi
Blinking green:	Network

UVC LED

Off	UVGI is off
BLUE	UVGI is ON
BLUE BLINK	Starging UP (20 – 60 seconds)
RED BLINK	Error in Fan or Bulbs

Press the UVC button to turn ON/OFF device without user interface
Press and hold WiFi button 10 seconds to RESET wifi settings to Access Point (factory defaults)

9- Maintanence

UVC Fluorescent light bulbs have 9.000h Useful Life Time.

Please call technical service to change the UVC Bulbs and Reflection system when 9.000 hours is reached.

LIGHT TECHNICAL	
Main Application	Disinfection
Useful Life (Nom)	9000 h
System Description	High Output
Color Code	TUV
Depreciation at Useful Lifetime	15%
UV-C Radiation at 100 hr	25 W / bulb

10- Possible Faults and Troubleshooting

Consult an authorised technician if RED Blinking

You can see the error from the user interface.

LIGHTS	Meaning	Action
RED LIGHT BLINK	FAN or Bulb error	Goto user interface and see error
		If there is a fan error start the unit with 100% fan speed
		If fan error continues, call technical center
		If there is a bulb error call technical center for replacement
GREEN LIGHT BLINK	Cannot access Wifi	TURN Off the system with ON /OFF switch
		Wait 10 seconds
		TURN ON the system
		If problem continues, Restart your WiFi access point and try again
		If problem continues, RESET WiFi settings to factory defaults.
		Press and HOLD WiFi button 10 seconds.
		Do the installation again

11- Warranty Clauses

- All parts except the bulbs are in 2 years warranty from the purchase date
- Bulbs are not in warranty

Add1 – Spare Parts List

Tube 300 Ultra and Standalone 300 Ultra:

UVC Bulb	:UVCpFLph75300
Driver 1 (1x80Watt)	:UVCpDRos80x1
Driver 2 (2x80 Watts)	:UVCpDRos80x2
Fan	:UVCpFNruEC1502
EC Board	:UVCpEColi201001
Reflection System	:UVCpRFvr201022

Stand Alone 300 Ultra Only:

Filter Replacement	:UVCpFIvr201031 (set of 3)

Add2 – EU Conformity Declaration

LTC⟩

Light Trade Centre
Aydınlatma Ürünleri San. Ve Tic. Ltd. Şti.

İbrahim Karaoğlanoğlu Cad. No: 101 34418
Seyrantepe / İstanbul Türkiye
Tel: +90 212 284 44 53 Fax: +90 212 278 39 64
Email: info@lighttradecentre.com Web: www.lighttradecentre.com

C E

UVCpectra®

EU Declaration of Conformity

The undersigned Company declares under its sole responsibility that the item of product declared below satisfies the essential requirements of the EU Low Voltage Directive 2014/35/EU which is apply to it.
The item of product identified below has been subject to internal manufacturing checks assessment by LTC.

Product Name
UVC TUBE

Type-Models
UVCpectra Tube Ultra 300
UVCpectra StandAlone Ultra 300

Object Declaration

Applicable EU Directives
2014/35/EU Low Voltage Directive - LVD

Applicable Standards
EN 60335-1:2012
EN 60335-2-65:2003/A11:2012

AB Uygunluk Beyanı

Aşağıda tanımlanmış olan ekipman için 2014/35/AB Düşük Gerilim Yönetmeliği temel gerekliliklerini yerine getirildiğini ve sorumluluğun alınmış olunduğunu beyan ederiz.
Aşağıda tanımlanan ürünün iç üretim kontrolü LTC tarafından kontrol edilmektedir.

Ürün Adı
UVC TUBE

Tip - Model
UVCpectra Tube Ultra 300
UVCpectra StandAlone Ultra 300

Beyan Nesnesi

Uygulanan AB Yönetmelikleri
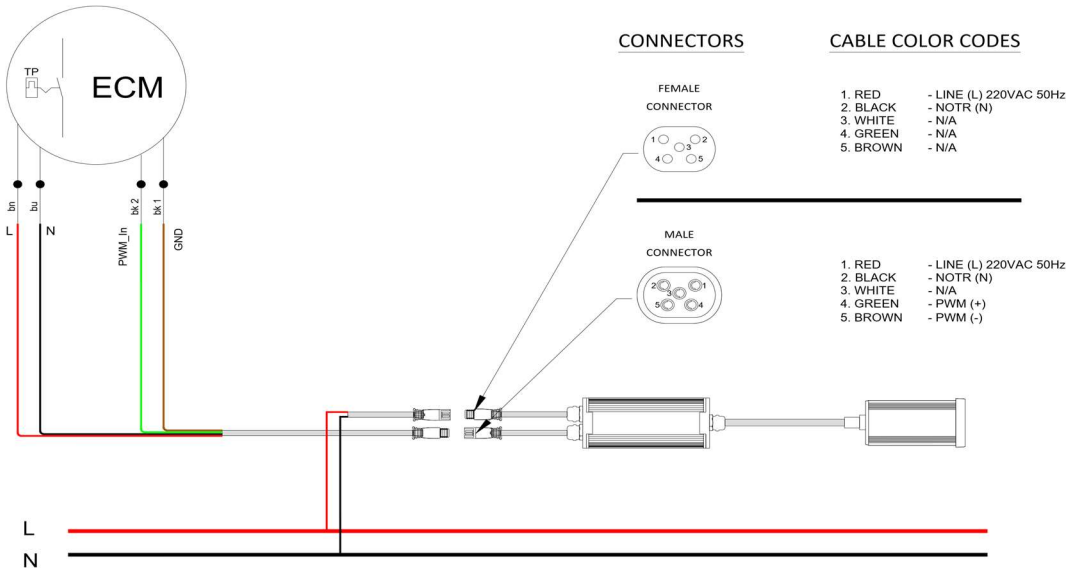2014/35/EU Low Voltage Directive - LVD

Uygulanan Standartlar
EN 60335-1:2012
EN 60335-2-65:2003/A11:2012

ON BEHALF OF MANUFACTURER - İMALATÇI ADINA

Name (Adı)   : GEBRO KILIÇ
Position (Görevi)   : General Manger (Şirket Müdürü)
Date-Place (Tarih-Yer) : 08.10.2020 / İSTANBUL TÜRKIYE
Signature-Stamp (İmza-Kaşe) : LTC LIGHT TRADE CENTRE AYDINLATMA
ÜRÜNLERI SAN ve TİC. LTD. ŞTİ.
Seyrantepe Mah. İbrahim Karaoğlanoğlu Cad.
No: 101 34418 Seyrantepe/Kağıthane/İstanbul T.
Tel:0212 283 45 10-281 37 33 Fax:0212 278 39 64
Maslak V.D. 609 110 2292
Mersis No: 0609 1002 2020 0001

Add3 – Electrical Schema

CONNECTORS

FEMALE CONNECTOR

CABLE COLOR CODES

1. RED   - LINE (L) 220VAC 50Hz
2. BLACK   - NOTR (N)
3. WHITE   - N/A
4. GREEN   - N/A
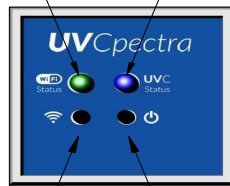5. BROWN   - N/A

MALE CONNECTOR

1. RED   - LINE (L) 220VAC 50Hz
2. BLACK   - NOTR (N)
3. WHITE   - N/A
4. GREEN   - PWM (+)
5. BROWN   - PWM (-)

ECM

TP

Button / LED Configurations

LED 1 (WiFi)	STATUS
GREEN STATIC	CONNECTED TO NETWORK
GREEN BLINK	TRYING TO CONNECT TO NETWORK
ORANGE STATIC	SELF AP MODE

LED 2 (ON/OFF)	STATUS
BLUE STATIC	NO ERROR
BLUE BLINK	ERROR - SYSTEM RUNNING - MEASURING RUNNING
RED BLINK	FATAL ERROR - SYSTEM SHUTDOWN

	BLUE BLINK ERRORS (SERVICE IS NOT MANDATORY)
ERR01	ONE LAMP NOT RUNNING
	RED BLINK ERRORS (SERVICE IS MANDATORY)
ERR02	TWO UVC LAMPS ARE NOT RUNNIG
ERR03	FAN NOT RUNNING
ERR04	MEASURING NOT RUNNING

BUTTON 1 (WiFi)	FUCTION
SHORT PRESS	N/A
5 SECOND	DISCONNECTS TO NETWORK

BUTTON 2 (POWER)	FUCTION
SHORT PRESS	ON / OFF
5 SECOND	FACTORY DEFAULTS