

T8 UVC Sales PRESENTER

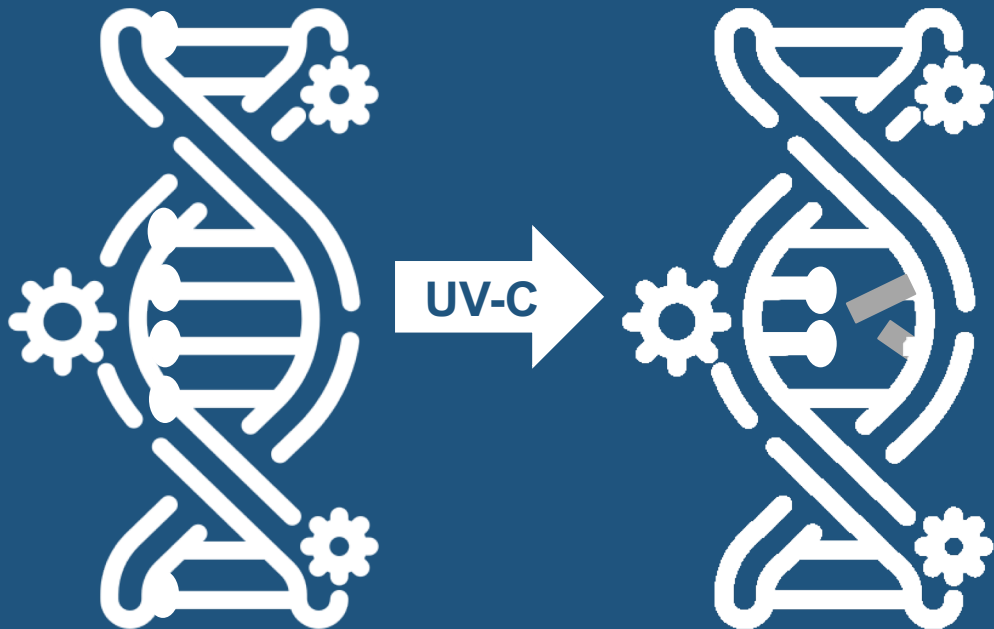


T8 UV C

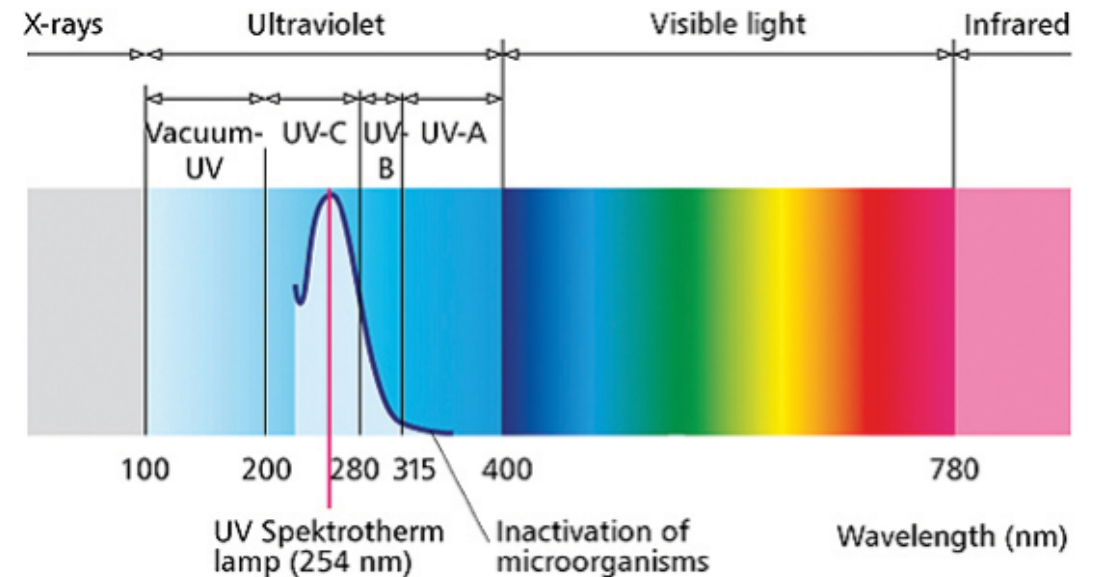
October 2020



**UV C SPECTRUM
DESTROYS VIRUS DNA ON THE
WAVELENGTH AT 254 NM**



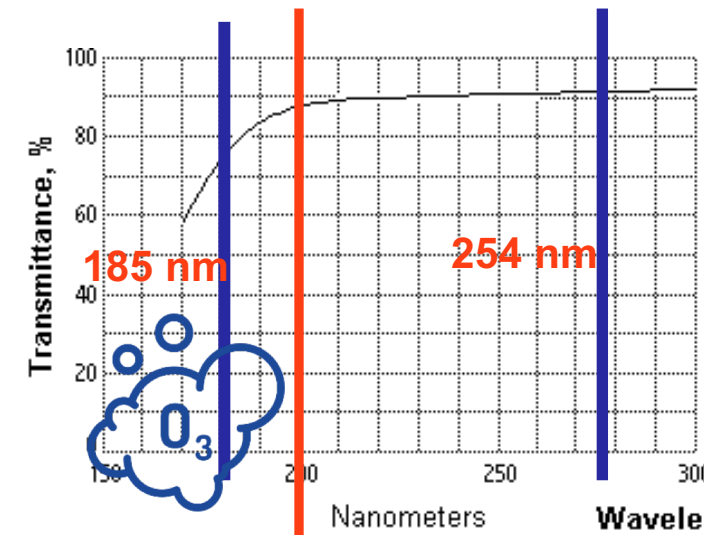
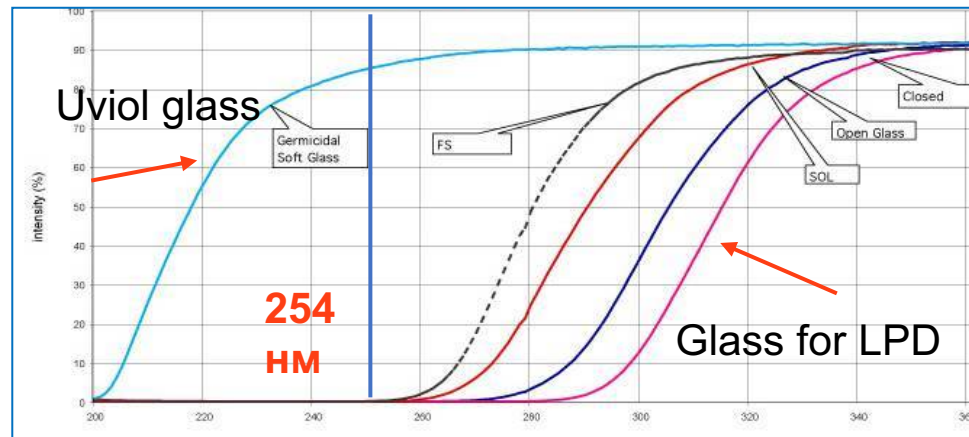
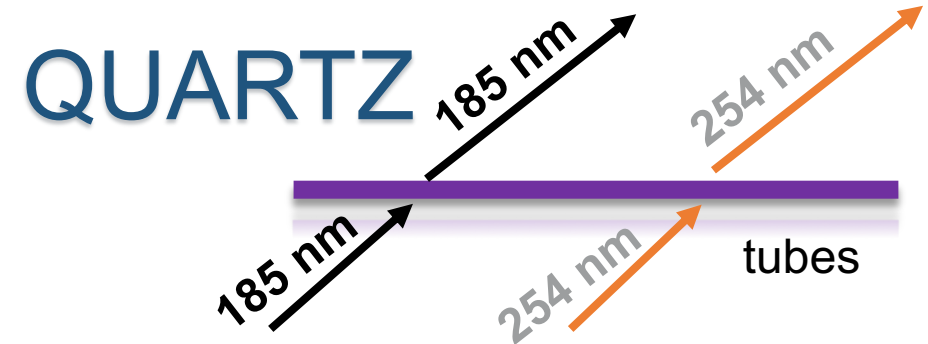
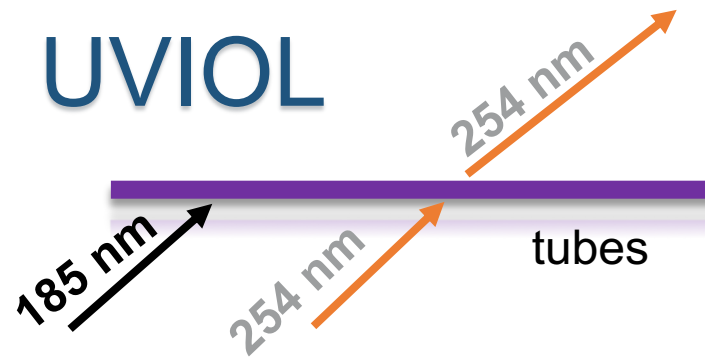
UV Spectrum



GLASS IS IMPORTANT COMPONENT OF BACTERICIDAL LAMPS

UVIOL GLASS PASSES USEFUL RADIATION OF 254 NM AND CUTS OUT THE LENGTH OF THE WAVE WHICH OZONE IS FORMED

Glass which cut 185 nm wavelength irradiation (see transmission curve) and only 254 nm mercury resonance line comes out from the lamp.



T8 UVC LAMP

Portfolio & USPs

ULTRAVIOLET LAMP



+ Portfolio

- 15 W
- 30 W
- 36 W
- 25 W
- 55 W
- 75 W
- 436 mm
- 893 mm
- 1198 mm
- 254nm



+ USP

- 10800 L70B50
- Ozon free
- CCG ECG
- G13

T8 UVC LAMP

USPs

ULTRAVIOLET LAMP



Ozon free

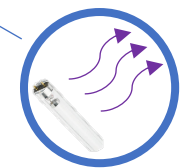
Ozon free due to special glass

10800 L70B50

10 800hrs
20% higher lifespan compared to competition

G13

Standard G13 socket



~5% higher radiated power compared to competition

CCG ECG

Works with standard CCG and ECG



Own design under LEDVANCE brand



ECG Combination

ULTRAVIOLET LAMP

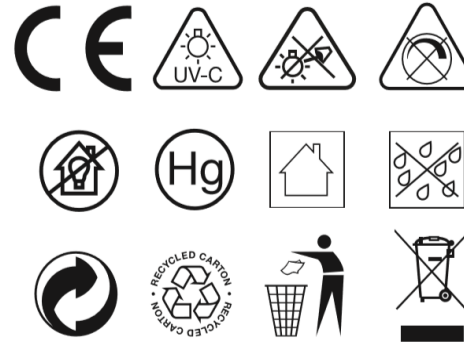


1 x UVC		2 x UVC		UVC T8
4050300638560	QT-ECO 1X18-24/220-240 S VS50	4008321873767	QTP-OPTIMAL 2X18-40/220-240 VS20	UVC 15W G13
4050300660417	QT-ECO 1X18-24/220-240 L VS50			UVC 15W G13
4008321873743	QTP-OPTIMAL 1X18-40/220-240 VS20	4008321873767	QTP-OPTIMAL 2X18-40/220-240 VS20	UVC 30W G13
4008321873743	QTP-OPTIMAL 1X18-40/220-240 VS20	4008321873767	QTP-OPTIMAL 2X18-40/220-240 VS20	UVC 36W G13
4008321873729	QTP-OPTIMAL 1X54-58/220-240 VS20	4008321880253	QTP-OPTIMAL 2X54-58/220-240 VS20	UVC 55W G13
	tbd		tbd	UVC 75W G13

T8 UVC LAMP

Safety

ULTRAVIOLET LAMP



Safety (Warning) icons:

UVC Info about UVC energy

RG3 Info about photobiological class

Hg Info about mercury content

Not for general lighting



lighting applications. Radiation from this lamp is DANGEROUS and it is harmful to the skin, mucous membranes, and eyesight. To avoid damaging your health (injuries, burns and illness), direct or reflected exposure to the eyes is prohibited. Promieniowanie lampy jest NIEBEZPIECZNE dla skóry, błon śluzowych i wzroku. Aby uniknąć uszkodzeń lub zranienia (urazy, oparzenia, choroby), należy wykluczyć bezpośrednie działanie promieniowania fioletowego zafeni. Tento produkt není určen pro použití ve všeobecném osvětlení. Zafení z tohoto světelného zdroje je NEBEZPEČNÉ a škodlivé pro pokožku, sliznici a zrak. Pro zamezení poškození zdraví (zranění, popáleniny, rty). Zdroj UV žiarenia Tento produkt nie je určený pre aplikáciu vo všeobecnom osvetlení. Žiarenie tohto zdroja je NEBEZPEČNÉ a škodí pokožke, slizniciam a očiam. Aby ste predišli poškodeniu zdravia (zraneniam, popáleninám, rty) higaný tartalmaz. A termék UV fény kibocsátó. A termék általános világítási célokra nem használható. Bőre, szemre VESELYES és káros sugárzás bocsát ki. Az egészségkárosodás elkerülése érdekében kerülni ke te destinată să fie utilizată în aplicații de iluminat general. Radiația de la această lampă este PERICULOASĂ și este dăunătoare pentru piele, mucoase și vedere. Pentru a evita deteriorarea sănătății dvs. (răni, arsuri și boli), trebuie să evitați expunerea directă sau reflectată la ochi și la corp. Излъчването от лампата е ОПАСНО и може да засегне кожата, лигавиците и очите. С цел избягване на вреда върху вашето здраве (нараняване, опарявания, заболявания), трябва да избегнете прякото или отразено излъчване в очите и в тялото. Овај производ садржи живи. Овај производ емитује UV зрачење. Овај производ није намењен за општејно и опсео јавној употреби. Зрачење овог извора светлости је ОПАСНО и штетно за кожу, слезницу и очи. Kako bi se izbjegnulo oštećenje zdravlja, treba izbjegnuti izravno ili indirektno izlaganje ovom izvoru svjetlosti. Αυτό το προϊόν εκπέμπει υπεριώδη ενέργεια. Αυτό το προϊόν δεν προορίζεται για χρήση σε γενικές εφαρμογές φωτισμού. Η ακτινοβολία από τον αυτόν τον λαμπτήρα είναι ΕΠΙΚΙΝΔΥΝΗ και είναι επιβλαβής για την υγεία. Προβλέπεται η χρήση αυτού του προϊόντος. UYARI: Bu ürün cıva içermektedir. Bu ürün ultraviyole enerji üretmektedir. Bu ürün lambadan ürettiği ışığı doğrudan ya da yansyan maruziyetten kaçınılmalıdır. Bu ürünü kullanmak için gerekli koruma ekipmanları sağlanmalıdır. D) WARNUNG: Dieses Produkt enthält Quecksilber. Das Produkt emittiert UV-Strahlung. Verwenden Sie das Produkt nicht für allgemeine Beleuchtungszwecke. Direkter oder indirekter Kontakt mit den a-violets. Ce produit n'est pas destiné à une utilisation pour l'éclairage général. Les radiations émises par cette lampe sont DANGEREUSES et sont nocives pour la peau, les muqueuses et les yeux. Pour éviter tout risque de blessure, évitez l'exposition directe ou indirecte à la lumière émise par ce produit. Para la utilización de este producto es necesario estar provisto de los equipos de protección y seguridad.

Warnings on the packaging

T8 UVC LAMP

LEDVANCE Brand

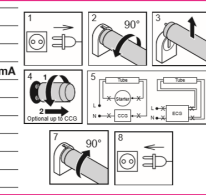
ULTRAVIOLET LAMP



CZ Výrobce SK Výrobca
LEDVANCE GmbH
 Steinerne Furt 62
 86167 Augsburg, Germany
www.ledvance.com



EAN	4058075502642
Model	UVC T8 30W
W	30 W
Vac · Hz · I	220V · 50/60Hz · 370mA
λ	253,7 nm
L70	10 800 h
W [UV]	12,6 W
T [Celsius]	15 ~ 50 °C
Base	G13
l x d	893,4 x 25,5 mm



UVC T8 15W G13 **LEDVANCE**

T8 UVC LAMP

Cross Reference List

ULTRAVIOLET LAMP



	LEDVANCE		OSRAM		PHILIPS	
	EAN	Model	EAN	Model	EAN	Model
T8 G13 15W	4058075502604	UVC T8 G13 15W	4008321398826	HNS 15 W G13	928039004005	TUV 15W SLV
T8 G13 25W	4058075502628	UVC T8 G13 25W	4008321398857	HNS 25 W G13	928039404005	TUV 25W 1SL
T8 G13 30W	4058075502642	UVC T8 G13 30W	4008321398888	HNS 30 W G13	928039504005	TUV 35W 1SL
T8 G13 36W	4058075502666	UVC T8 G13 36W	4052899084018	HNS 36 W G13	928048604003	TUV 36W SLV
T8 G13 55W	4058075502680	UVC T8 G13 55W	4052899083936	HNS 55 W G13	928049504003	TUV 55W HO 1SL
T8 G13 75W	4058075502703	UVC T8 G13 75W	-	-	928049404003	TUV 75W HO 1SL

Documents

EU Declaration of Conformity + Customer letter

EU Declaration of Conformity

Document number: 2020 / 9C1-3996845-EN-00
 Manufacturer or representative: LEDVANCE GmbH
 Address: Parking 29-33
 85748 Garching
 Germany

Brand name or trade mark: LEDVANCE
 Product type: Double-capped fluorescent lamp
 Product designation: UVC Germicidal ultraviolet lamps
 See attached list

The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation:

- 2014/35/EU and amendments Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits
- 2014/30/EU and amendments Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility
- 2009/125/EC and amendments, incl. 2019/2020, Art. 7 Directive of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products
- 244/2009 and amendments Commission Regulation (EC) implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for non-directional household lamps
- 246/2009 and amendments Commission Regulation (EC) implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such lamps
- 1194/2012 and amendments Commission Regulation (EU) No 1194/2012 of 12 December 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for directional lamps, light emitting diode lamps and related equipment
- 2011/65/EU and amendments Directive of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- 2014/53/EU and amendments Directive of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC

Last two digits of the year in which the CE marking was affixed: 20
 Place and date of signatures: Smolensk, 06.18

Signatures:
 Quality Management Quality Assurance

Names: Mr. Michael Huelsemann Mr. Andrey Shumilin

Customer service contact: LEDVANCE GmbH, Steineme Furt 62, 86167 Augsburg, Deutschland

This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. It certifies compliance with the indicated Directives, but implies no warranty of properties

1051b 01/2020 1/8

LEDVANCE GmbH, Parking 29-33, 85748 Garching/Munich

Name: SCHEYER YANNICK
 Department: GM
 Phone: +49 89 30999 200
 Fax: +49 89 30999 200
 E-Mail: y.scheyer@ledvance.com
 Date: 02.06.2020

Dear Customer,

Thank you very much for buying high-quality LEDVANCE UV C products!

You are most likely already very well aware of the inherent risks of UV C light and the corresponding safety requirements and precautions. Nevertheless, please allow us to repeat and summarize the most salient points:

- UV C radiation is harmful to human and animal health
 - UV C lamps emit high UV radiation used for germicidal purposes. This radiation is effective by damaging the DNA bonds of microorganisms. Its photon energy is, however, high enough to strongly affect also other living organisms (humans, animals and plants).
 - Consequently, standard EN 62471 places UV C lamps in class 3 for photobiological risk presenting a health risk for humans and animals.
 - Exposure to UV C radiation may cause severe skin burns and could also lead to precancerous lesions or skin cancer. It also presents an imminent danger to human eyes (conjunctivitis and keratitis), as UV C radiation is invisible and, hence, does not cause the optical reflex. Extended UV-C exposure can cause permanent damage.
 - UV C radiation does not have immediate effects so that a user may be unconsciously exposed to irradiation over extended periods of time. The harmful effects normally occur within 24 hours following exposure. The severity of the harmful effects is determined by intensity of irradiation, duration of exposure and cumulation of consecutive exposures.
 - In addition, UV C radiation may increase the concentration of ozone in closed rooms and cause a variety of health symptoms associated with the respiratory tract.
 - With regard to non-organic matter, UV C radiation may accelerate the aging process of materials rendering them brittle or leading to discoloration.
 - UV C products are for germicidal use only and, consequently, are not made and must not be used for general lighting purposes!

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 85748 Garching/Munich
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 Commercial Registry:
 Munich
 HRB 232874
 08885/Reg.No. DE 30639372
 Chairman of the Supervisory Board:
 Tai Lun
 Managing Director:
 Dingmao Sun, Tai Lun Chen

- The use of UV C products requires the observation of safety measures
- Local laws define various safety requirements for the use of UV C products. The legal requirements may vary from country to country.
- Typical safety requirements include, but are not limited to:
 - Constant protection of the user by means of suitable personal protection equipment like full protective clothing, gloves and glasses;
 - Active warning and locking of the room during the use of UV C light;
 - An automated switch-off system in case of someone entering the room or opening the device;
 - Avoidance of residual radiation through leaks on windows / doors;
 - Ventilation of the room after use in case of increased ozone concentration;
 - Observation of early aging of nearby devices / materials;
- Installation and use of UV C products should therefore be limited to professionals who have been specifically trained on the risks of UV C radiation as well as the legally required safety measures in order to adequately protect humans, animals, plants and surroundings.

We hope you understand that LEDVANCE declines any and all responsibility for the general dangers of UV C radiation as well as the improper installation, use or operation of its UV C products. We are happy, though, to guarantee the quality and safety of our UVC products.

With kind regards

SCHEYER Yannick
 Quality EU W
 Ledvance GmbH

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Can be sent on request

- Customer will get this after confirmation of the campaign plan needs to be signed and sent back to LEDVANCE UK
- When ordering a sample this is also mandatory



Thank You

R&M Lumen Electrical Inc
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Tel: **+01(305) 828 0116** Email: **lumen@rm-electrical.com**