



EXTRA-BUILT (M) SDN BHD

Innovative & Intelligent Efforts



EB01-03 UVC WALL INDOOR DISINFECTION & SANITIZATION UNIT

The Extra-Built UVC /TUV light Recessed Tube T8 lamps are double-ended UVC (germicidal) lamps used in professional air disinfection units. TUV T8 lamps offer almost constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy. Moreover, they have a long and reliable lifetime, which allows maintenance to be planned for in advance.

Benefits.

Enhanced Disinfection Reduces Risk of Germs Spreading.

The machine emits UVC **light** into the empty room for about 30 minutes.

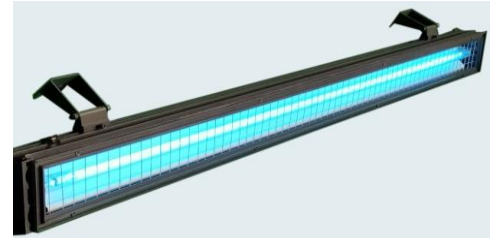
The **light** bounces and reflects into hard-to-reach areas such as open drawers, and between cabinets and fixtures. The **light** waves kill bacteria by disrupting their DNA.

Good environmental choice because of lowest amount of mercury

Ultraviolet germicidal irradiation (UVGI) is a disinfection method that **uses** short-wavelength **ultraviolet (ultraviolet C or UV-C) light** to kill or inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

Thus, 20-25 minutes exposure to **UV light** seemed adequate for disinfection and 30 minute exposure time is recommended for **UV** disinfection. The efficacy of inactivation of various organisms at the distance of eight feet from **UV** source and exposure time of 30 minutes is shown in the figure

The inverse square law applies to germicidal ultraviolet as it does to light: the killing power decreases as the distance from the lamps increases. The average bacterium will be killed in **ten seconds** at a distance of six inches from the lamp in an American Ultraviolet Germicidal Fixture.



APPLICATION:

OFFICE:

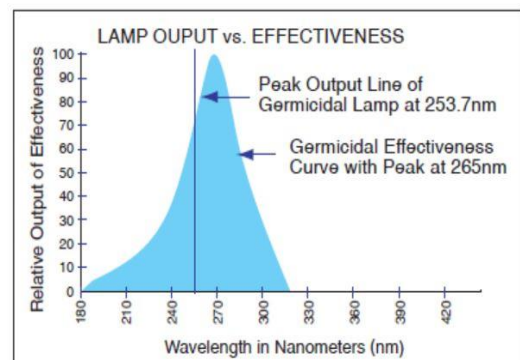
Administrative room,
Meeting room,
Cold room,
Lobby

HOUSE:

Living Hall, Kitchen

WORKSHOP:

Car Service center,
Car wash area



Enquiry:

Email: sales@extrabuilt.com (03-5525 2907)

EB01-03 UVC WALL INDOOR DISINFECTION & SANITIZATION UNIT

Lighting Specification for one TUV tube

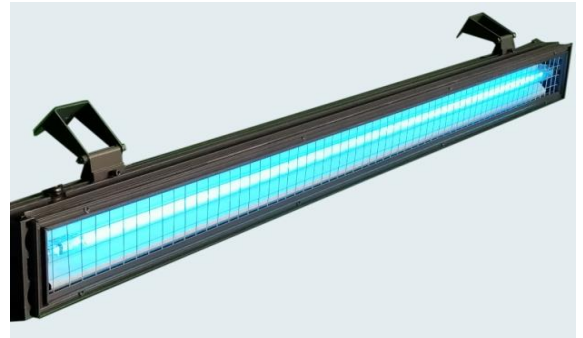
TUV Lamp Product	Lamp Holder	Lamp Current	Voltage	Power	Mercury (Hg) Content	Useful Life (nom)	UV-C radiation
TUV 15W (T8)	G5	0.34A	54V	15.9W	2.0mg	9000 h	4.9 W
TUV 25W (T8)	G5	0.60A	48V	25.5W	2.0mg	9000 h	7.0 W
TUV 36W (T8)	G5	0,44A	103V	36.0W	2.0mg	9000 h	15.0 W

TUV tube Specification Size

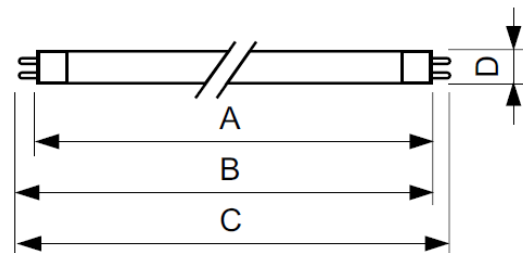
TUV Lamp Product	Lamp Holder	D (max)	B (max)	B (min)	C (max)	A (max)
TUV 15W (T8)	G5	28 mm	444.5 mm	442.1 mm	451.6 mm	437.4 mm
TUV 25W (T8)	G5	28 mm	444.5 mm	442.1 mm	451.6 mm	437.4 mm
TUV 36W (T8)	G5	28 mm	1206.5 mm	1204.1 mm	1213.6 mm	1199.4 mm

Other Specification

Housing & Casing	Heavy gauge sheet steel / Aluminium Extrusion
Short-Wave UV radiation	253.7 nm
Ingress Protection	IP20
Input Power Rating	240V @ 50-60Hz
Power Factor	>0.95
Operating Temperature	-25 Celsius to +40 Celsius



Dimensional drawing



Ordering Code & Installation Guide

Ordering Code	EXTRA-BUILT UVC-TX - TUVXX
	<div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;"> Size </div> <div style="text-align: center;"> Wattage </div> </div>

