



**EC Declaration of Conformity**

We, Philips Lighting B.V.  
 BG LS&E  
 Mathildelaan 1  
 5611 BD Eindhoven  
 The Netherlands

Internal Ref. Nr.: BMS-BLHI-QUA-818-OT  
 Year in which CE Mark was first affixed: 2006

**Declare under our responsibility for the product(s):**



<b>Product Range:</b>	<b>Tubular Fluorescent Double Ended Lamps</b>
<b>Product Code:</b>	<b>please refer to attached appendix</b>

**The designated product(s) is (are) in conformity with the essential requirements of the following European Directives and harmonized standards:**

<b>Low Voltage Directive (LVD), 2006/95/EC, date of issue 12 December 2006</b>
<ul style="list-style-type: none"> <li>• EN 61195:1999</li> <li>• EN 60061-1:1993+amendments to A47:2012-09-12</li> <li>• EN 62471 : 2008</li> </ul>

<b>Restriction of the use of certain Hazardous Substances in electrical and electronic equipment Directive (RoHS), 2011/65/EC</b>
EN 50581:2012

**and are produced under a quality scheme at least in conformity with ISO 9001, ISO 14001 and OHSAS 18001.**

<b>Signature:</b>		
<b>Name:</b>	Greg Nelson	Hans Bellemans
<b>Function:</b>	Global Technology Manager HID L&S	Quality Manager HID L&S
<b>Contact address:</b>	Mathildelaan 1 5611 BD Eindhoven The Netherlands	Mathildelaan 1 5611 BD Eindhoven The Netherlands
<b>Date:</b>	2013-04-10	2013-04-10

**Appendix:** Specific products that includes the CE-declaration

Issue date appendix: 2013-04-10

Product Code	Product name
927941904000	TUV TL-D 18W
927941904020	TUV T8 F17 1SL/25
927970004000	TUV 36T5 HE SP
927970004022	TUV 36T5/SP HE UNP/32
927970004099	TUV 36T5 SP NO/32
927970204000	TUV 36T5 HE 4P SE
927970204097	TUV 36T5 HE 4P SE UNP/32
927970204099	TUV 36T5 HE 4P SE UNP/32
927970504000	TUV 64T5 HE SP
927970504099	TUV 64T5 HE SP UNP/32
927970704000	TUV 64T5 HE 4P SE
927970704099	TUV 64T5 HE 4P SE UNP/32
927970804000	TUV 64T5 HE 4P SE
927970804099	TUV 64T5 HE 4P SE UNP/32
927970904000	TUV 64T5 HE 2P SE
927970904040	TUV 64T5 HE 2P SE.UNP/30
927970904099	TUV 64T5 HE 2P SE UNP/32
927971104000	TUV 64T5 HO 4P SE
927971104099	TUV 64T5 HO 4P SE UNP/32
927971204000	TUV 11W 4P SE
927971204099	TUV 11W 4P SE UNP/32
927971404000	TUV 16W 4P SE
927971404099	TUV 16W 4P SE UNP/32
927972104000	TUV 36T5 HO 4P SE
927972104023	TUV 36T5 HO 4P-SE.UNP/32
927972104099	TUV 36T5 HO 4P SE UNP/32
927972204000	TUV 25W 4P-SE
927972204099	TUV 25W - 4P SE UNP/32
927972504000	TUV 36T5 HO SP
927972604000	TUV 64T5 HO SP
927973404000	TUV 20W 4P SE
927973404099	TUV 20W 4P SE UNP/32
928000104000	TUV 4W
928000104013	TUV 4W FAM/10X25BOX
928000104016	TUV 4W SLM FAM/10X25BOX
928000104017	TUV 4W FAM/10X25BOX
928000104023	TUV 4W RAYCOP FAM/10X25BOX
928000404000	TUV 64T5 HE
928000501000	TL 6W/10
928000501030	Actinic BL TL 6W/10 1FM/10X25CC
928000601000	TL 11W/10
928000601030	Actinic BL TL 11W/10
928000704000	TUV 6W
928000704013	TUV 6W FAM/10X25BOX
928000704023	TUV 6W RAYCOP FAM/10X25BOX
928000704024	TUV 6W.FAM/10X25BOX

928001001000	TL 8W/10
928001001030	Actinic BL TL 8W/10 1FM/10X25CC
928001104000	TUV 8W
928001104013	TUV 8W FAM/10X25BOX
928001104016	TUV 8W FAM/10X25BOX
928001104017	TUV 8W FAM/10X25BOX
928001104023	TUV 8W RAYCOP FAM/10X25BOX
928001104024	TUV 8W.FAM/10X25BOX
928002004000	TUV 16W
928002004013	TUV 16W FAM/10X25BOX
928002204000	TUV 11W
928002204013	TUV 11W FAM/10X25BOX
928002204016	TUV 11W KNT FAM/10X25BOX
928002204017	TUV 11W FAM/10X25BOX
928002204025	TUV 11W.FAM/10X25BOX
928003120900	TL-K 40W/209
928003120912	TL-K 40W UV-A 1SL/25
928003404000	TUV 20W
928003404013	TUV 20W FAM/10X25CC
928004101000	TL-K 40W/10-R
928004101012	TL-K 40W/10-R UV-A
928004101020	Actinic BL TL-K 40W/10-R
928004101029	Actinic BL TL-K 40W/10-R
928004220900	TL 120W/209 UV-A
928004220990	TL 120W/209 WALDMANN PUVA..SLV/25
928004320900	TL 100W/209 UV-A
928004320907	F71T12 UVA 100W
928004320908	F71T12 UVA 100W 1SL
928004320991	WALDMANN F85/100W PUVA
928005720900	TL 100W/209-R
928005720912	TL 100W/209-R 1SL/25
928005720913	F71T12 UVA 100W-R 1SL
928005901000	TL 80W/10-R
928005901014	TL 80W/10-R SLV/25
928005901020	TL 80W/10-R SLV/25
928005901029	TL 80W/10-R SLV/25
928006901000	TL 100W/10-R
928006901012	TL 100W/10-R SLV/25
928006901014	TL 100W/10-R SLV/25
928006901015	F71T12 UVA-1 100W-R 1SL
928006901020	TL 100W/10-R UV-A
928006901029	TL 100W/10-R UV-A
928008401000	TL 60W/10-R
928008401003	TL 60W/10-R SLV/25
928008401014	TL 60W/10-R 1SL/25
928008401020	TL 60W/10-R SLV/25
928011301000	TL 40W/10 RS XUVATLRS Special Lighting
928011301020	Actinic BL TL 40W/10 SLV/25
928024204000	TUV TL-D 10W
928024204005	TUV 10W SLV/25
928024204019	SIDEA TUV 10W 2E019 SLV/25

928024204020	SIDEA TUV 10W 2E020 SLV/25
928039004000	TUV TL-D 15W
928039004005	TUV 15W SLV/25
928039004006	TUV 15W SLV/25
928039004020	TUV 15W SLV/25
928039104000	TUV TL-D 15W Xtra
928039404000	TUV TL-D 25W
928039404005	TUV 25W 1SL/25
928039404020	TUV 25W 1SL/25
928039504000	TUV TL-D 30W
928039504005	TUV 30W 1SL/25
928039504006	TUV 30W SLV/25
928039504020	TUV 30W 1SL/25
928039704000	TUV TL-D 25W Xtra
928039804000	TUV TL-D 30W Xtra
928039904000	TUV TL-D 36W Xtra
928048604000	TUV TL-D 36W
928048604003	TUV 36W SLV/6
928048604020	TUV 36W SLV/6
928049104000	TUV TL-D 55W Xtra
928049404000	TUV TL-D 75W HO
<b>928049404003</b>	<b>TUV 75W HO 1SL/6</b>
928049404010	TUV 75W HO.SLV/6
928049404041	TUV 75W HO.SLV/6
928049504000	TUV TL-D 55W HO
928049504003	TUV 55W HO 1SL/6
928049504041	TUV 55W/HO.SLV/6
928049904000	TUV TL-D 75W Xtra



# TUV T8 - Guaranteed lifetime simplifying planned maintenance in professional applications

## TUV T8

TUV T8 lamps are double-ended UVC (germicidal) lamps used in professional water and 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

- Security of effective disinfection over the useful lifetime of the lamp
- Maintenance can be planned in advance, virtually eliminating the need for expensive spot replacement of prematurely failed lamps
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
- Good environmental choice because of lowest amount of mercury

## Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection purposes
- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
- Long lifetime of 18.000 hours (based on operation on a Philips electronic driver)
- High reliability with the lowest percentage of lamps that fail prematurely in the market (90% of all lamps still operate on full output and quality after 15,000 hrs if operated on a Philips electronic driver)
- Special lamp glass filters out the 185 nm ozone-forming radiation
- High Output versions available for optimum UVC output per lamp length, allowing for reduction of system size
- Warning sign on lamp indicates that the lamp radiates UVC

## Application

- Air disinfection systems in professional applications such as universities, hospitals, jails and laboratories
- Upper air and whole room disinfection equipment in hospitals, intensive care units and surgery rooms
- Areas with low maintenance and/or disruptive costs
- Fish ponds and process water units

## Warnings and Safety

- 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 high-power UV radiation that can cause severe injury to skin and eyes. Avoid eye and skin exposure to unshielded product. Use only in an enclosed environment which shields users from the radiation.

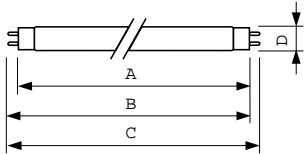
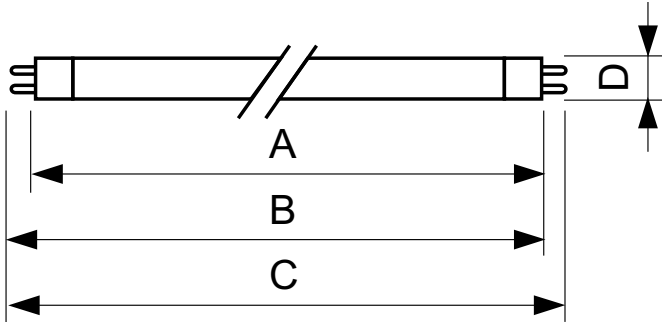
## Versions



T5, G13

# TUV T8

## Dimensional drawing



Product	D (max)	B (max)	B (min)	C (max)	A (max)
TUV T5 10W with adapters T5-T8 FAM/10X25	16 mm	338.6 mm	336.2 mm	345.7 mm	331.5 mm

Product	D (max)	A (max)	B (max)	B (min)	C (max)
TUV T8 F17 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
TUV 25W 1SL/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
TUV 30W 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TUV 55W HO 1SL/6	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
<b>TUV 75W HO 1SL/6</b>	<b>28 mm</b>	<b>1199.4 mm</b>	<b>1206.5 mm</b>	<b>1204.1 mm</b>	<b>1213.6 mm</b>
TUV 36W SLV/6	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TUV TL-D 95W HO SLV/25	28 mm	1500 mm	1507.1 mm	1504.7 mm	1514.2 mm
TUV 15W SLV/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm

### General Information

Cap-Base	G13
Main Application	Disinfection

### Light Technical

Color Code	TUV
Color Designation	-

## Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927801304011	TUV T5 10W with adapters T5-T8 FAM/10X25	4.4 mg
927941904020	TUV T8 F17 1SL/25	2.0 mg
928039004005	TUV 15W SLV/25	2.0 mg
928039404005	TUV 25W 1SL/25	2.0 mg
928039504005	TUV 30W 1SL/25	2.0 mg

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
928048604003	TUV 36W SLV/6	2.0 mg
928049404003	TUV 75W HO 1SL/6	2.0 mg
928049504003	TUV 55W HO 1SL/6	2.0 mg
928049804006	TUV TL-D 95W HO SLV/25	8.0 mg

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927801304011	TUV T5 10W with adapters T5-T8 FAM/10X25	0.22 A	48.5 V	9 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927941904020	TUV T8 F17 1SL/25	0.265 A	72 V	16.7 W
928039004005	TUV 15W SLV/25	0.34 A	54 V	15.9 W
928039404005	TUV 25W 1SL/25	0.6 A	48 V	25.5 W

## TUV T8

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928039504005	TUV 30W 1SL/25	0.37 A	102 V	30 W
928048604003	TUV 36W SLV/6	0.44 A	103 V	36 W
928049404003	TUV 75W HO 1SL/6	0.84 A	110 V	75 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928049504003	TUV 55W HO 1SL/6	0.77 A	86 V	54 W
928049804006	TUV TL-D 95W HO SLV/25	0.620 A	124 V	95 W

### General Information

Order Code	Full Product Name	Useful Life (Nom)	System Description
927801304011	TUV T5 10W with adapters T5-T8 FAM/10X25	9000 h	-
927941904020	TUV T8 F17 1SL/25	9000 h	-
928039004005	TUV 15W SLV/25	9000 h	-
928039404005	TUV 25W 1SL/25	9000 h	-

Order Code	Full Product Name	Useful Life (Nom)	System Description
928039504005	TUV 30W 1SL/25	9000 h	-
928048604003	TUV 36W SLV/6	9000 h	-
928049404003	TUV 75W HO 1SL/6	9000 h	High Output
928049504003	TUV 55W HO 1SL/6	9000 h	High Output
928049804006	TUV TL-D 95W HO SLV/25	8000 h	High Output

### Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
927801304011	TUV T5 10W with adapters T5-T8 FAM/10X25	85 %
927941904020	TUV T8 F17 1SL/25	15 %
928039004005	TUV 15W SLV/25	10 %
928039404005	TUV 25W 1SL/25	15 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
928039504005	TUV 30W 1SL/25	10 %
928048604003	TUV 36W SLV/6	10 %
928049404003	TUV 75W HO 1SL/6	10 %
928049504003	TUV 55W HO 1SL/6	10 %
928049804006	TUV TL-D 95W HO SLV/25	10 %

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927801304011	TUV T5 10W with adapters T5-T8 FAM/10X25	T5
927941904020	TUV T8 F17 1SL/25	T8
928039004005	TUV 15W SLV/25	T26
928039404005	TUV 25W 1SL/25	T26
928039504005	TUV 30W 1SL/25	T26

Order Code	Full Product Name	Bulb Shape
928048604003	TUV 36W SLV/6	T26
928049404003	TUV 75W HO 1SL/6	T26
928049504003	TUV 55W HO 1SL/6	T26
928049804006	TUV TL-D 95W HO SLV/25	T26

### UV

Order Code	Full Product Name	UV-C Radiation
927801304011	TUV T5 10W with adapters T5-T8 FAM/10X25	2.8 W
927941904020	TUV T8 F17 1SL/25	4.5 W
928039004005	TUV 15W SLV/25	4.9 W
928039404005	TUV 25W 1SL/25	7 W
928039504005	TUV 30W 1SL/25	12.0 W

Order Code	Full Product Name	UV-C Radiation
928048604003	TUV 36W SLV/6	15.0 W
928049404003	TUV 75W HO 1SL/6	25.5 W
928049504003	TUV 55W HO 1SL/6	17.5 W
928049804006	TUV TL-D 95W HO SLV/25	22.5 W



