



KTL-GXXT5-254-XX-4P

T5 LINEAR UV-C GERMICIDAL LAMPS

DESCRIPTION

T5 Linear UV-C Germicidal Lamp | 4-Pin Single-Ended Base | 254nm

RoHS
Compliant

1 YEAR
WARRANTY



APPLICATION

For use in fixtures specifically designed for disinfection purposes using UV-C 254nm light sources (water purification, HVAC air handling, food processing, clean room, and other general sterilization and disinfection needs)



PRODUCT FEATURES

- Emits short-wave UV-C radiation with a peak at 253.7nm
- UV-C radiation which has been proven to effectively inactivate various tested pathogens*
- Special glass filters out 185nm ozone forming radiation
- Industry standard dimensions allow for use in a wide range of existing UV-C fixture platforms
- Low mercury content

*Sources: 1. Reed, N.G. 2010. *The history of ultraviolet germicidal irradiation for air disinfection. Public Health Reports January–February, 125(1):15–27;*
2. 2019 ASHRAE Handbook, Chapter 62, *Ultraviolet air and surface treatment*

LAMP PERFORMANCE AND OPERATING SPECIFICATIONS

Catalog Number	Nominal Wattage	Operating Voltage	Nominal Lamp Current	Nominal UV Output	Peak Wave Length	Lamp Length	Base Type	Average Lifetime
KTL-G16T5-254-4P	16W	37V	425mA	4.3W	254nm	12.48 in (317 mm)	G10q	~8000+ hrs
KTL-G17T5-254-4P	17W	51V	425mA	5.7W	254nm	14.06 in (357 mm)	G10q	~8000+ hrs
KTL-G22T5-254-4P	21W	62V	425mA	7.3W	254nm	17.17 in (436 mm)	G10q	~8000+ hrs
KTL-G36T5-254-4P	40W	120V	425mA	15W	254nm	33.19 in (843 mm)	G10q	~8000+ hrs
KTL-G150T5-254-HO-4P	150W	220V	800mA	45W	254nm	61.18 in (1,554 mm)	G10q	~8000+ hrs

UV-C LAMP PAIRING

BALLAST OPTIONS REFERENCE CODE

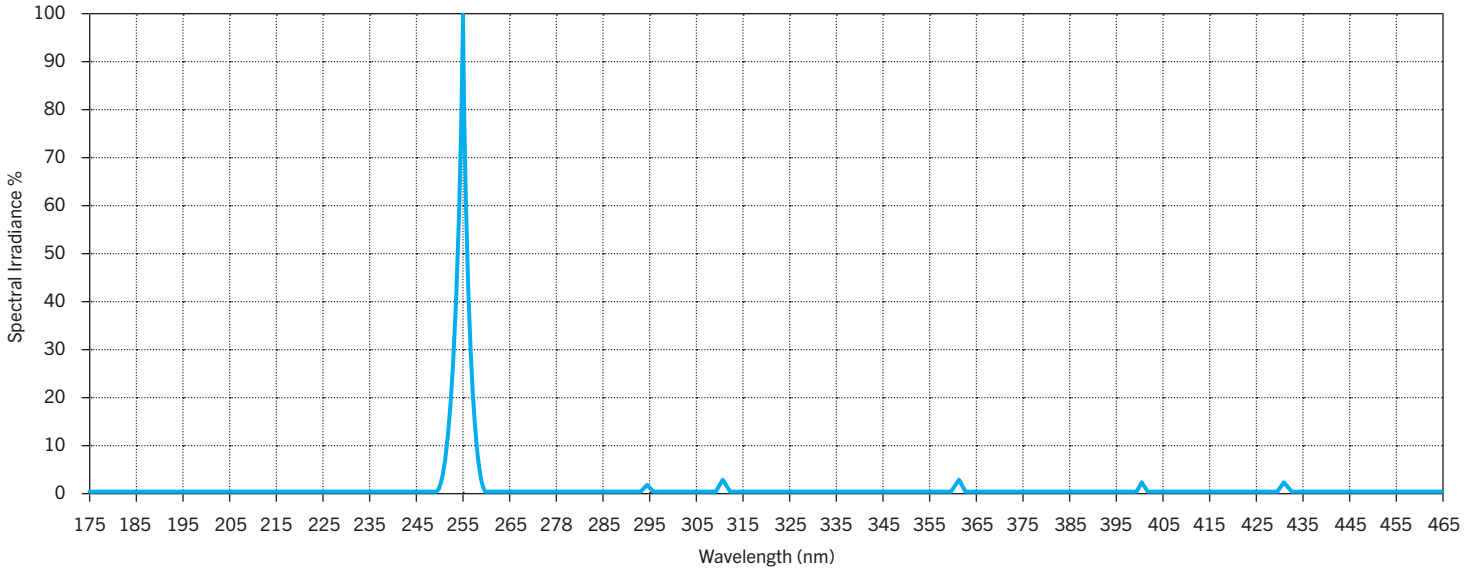
Lamp Catalog Number	1	Output Current	2	Output Current	3	Output Current
KTL-G16T5-254-4P	C (1 or 2)	342–375mA	G (1 or 2)	340–345mA	F (1 or 2)	495–497mA
KTL-G17T5-254-4P	C (1 or 2)	344–379mA	G (1 or 2)	342–349mA	F (1 or 2)	492–498mA
KTL-G22T5-254-4P	C (1 or 2)	347–375mA	G (1 or 2)	342–350mA	F (1 or 2)	475–488mA
KTL-G36T5-254-4P	C (1)	372mA	G (1 or 2)	344–345mA	F (1 or 2)	470–482mA
KTL-G150T5-254-HO-4P	K (1)	820mA	—	—	—	—

COMPATIBLE BALLASTS FOR UV-C LAMPS (120–277V input)

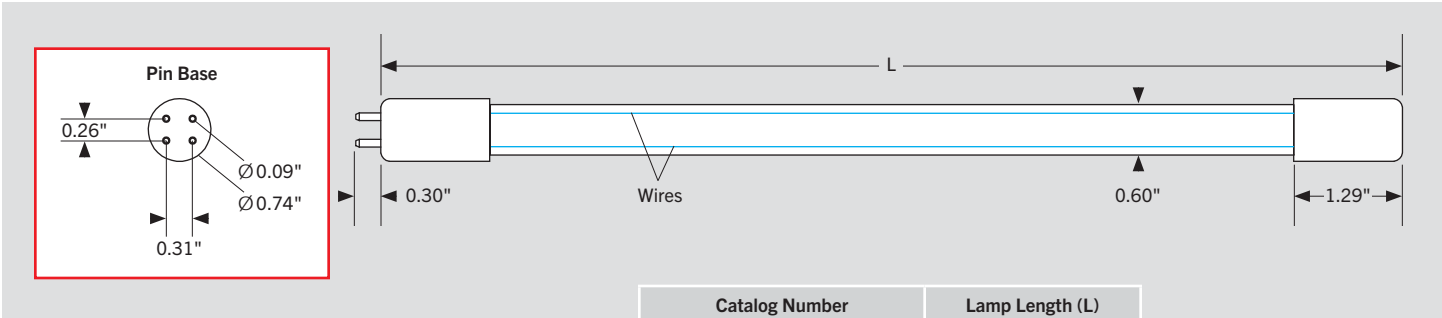
Ballast Ref.	Ballast Catalog Number	Generic Lamp Description
C	KTG45-2L-370-UV-PS-C1	Designed to run 1 or 2 lamps not to exceed 45W max load; ~370mA output; Compact case style
F	KTG100-2L-480-UV-PS-L1	Designed to run 1 or 2 lamps not to exceed 100W max load; ~480mA output; Linear case style
G	KTG75-2L-350-UV-PS-L1	Designed to run 1 or 2 lamps not to exceed 75W max load; ~350mA output; Linear case style
K	KTG150-1L-840-UV-PS-L3	Designed to run 1 lamp not to exceed 150W max load; ~840mA output; Linear case style

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RELATIVE SPECTRAL ENERGY DISTRIBUTION



PHYSICAL SPECIFICATIONS



Catalog Number	Lamp Length (L)
KTL-G16T5-254-4P	12.48 in (317 mm)
KTL-G17T5-254-4P	14.06 in (357 mm)
KTL-G22T5-254-4P	17.17 in (436 mm)
KTL-G36T5-254-4P	33.19 in (843 mm)
KTL-G150T5-254-HO-4P	61.18 in (1,554 mm)



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ORDERING INFORMATION

ORDER CODE	CTN QTY.	UPC	Easy Code
KTL-G16T5-254-4P	50	843654135878	XGD-82
KTL-G17T5-254-4P	50	843654135885	MUQ-86
KTL-G22T5-254-4P	50	843654135892	SDZ-93
KTL-G36T5-254-4P	50	843654135908	VHJ-38
KTL-G150T5-254-HO-4P	50	843654135915	LAP-80

CATALOG NUMBER BREAKDOWN

KTL-GXXT5-254-XX-4P

1 2 3 4 5 6 7

- 1 Keystone Technologies Lamp
- 2 Germicidal Lamp
- 3 Nominal Wattage
- 4 Lamp Type/Shape
- 5 Output Wavelength
- 6 Output Type
- 7 Pin/Base Configuration

6 Output Type

(blank)	Standard Output
HO	High Output

7 Pin/Base Configuration

DE	Double-Ended
4P	4-Pin Single-Ended
GXXX	G23 or GX23
2G11	2G11

DISCLAIMERS

- **UV-C RISK GROUP 3** (per ANSI/IESNA RP-27.3-96)
- **WARNING:** These lamps emit high power UV radiation. Avoid eye and skin exposure to unshielded product. Follow all installation instructions and user manuals.
- **THIS PRODUCT CAN CAUSE INJURY IF IMPROPERLY USED.** Do not attempt to look at the lamp during operation.
- UV-C radiation is harmful to the skin and eyes. Ensure people and animals avoid direct exposure to UV-C. When installing the lamps, make sure the devices installation manual is followed and lamps are not switched on during the installation process. Follow all warning statements on the lamp and device packaging.
- Materials that are exposed to UV-C for a long time may become damaged and/or discolored. Take care to prevent paintings, artwork, plants, and other objects from exposure to avoid damage.
- Use only in products specially designed to accept UV-C lamps. Lamps should be used in an enclosed environment and/or within specially designed devices to ensure users and/or occupants are always shielded from the radiation.
- Do not install these lamps in standard fluorescent fixtures or use for general lighting applications.

With regards to the effectiveness in the inactivation of certain viruses, bacteria, fungi, or other harmful pathogens or micro-organisms: Keystone Technologies, LLC does not promise or warrant that the use of the UV-C lamps described here will protect any user (either direct or indirect) from or prevent infection and/or contamination with any viruses, bacteria, fungi, or other harmful pathogens or micro-organisms. The UV-C lamps are NOT approved or certified as a medical device by the FDA or any other regulatory body. As such, they are not intended for use to disinfect medical devices or equipment without further fixture level certifications. In addition to and without limitation of any exclusions or limitations of liability of Keystone Technologies, LLC as set forth in any agreement for the sale, distribution or otherwise making available of the UV-C lamps and power supplies, Keystone shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C lamps outside of their intended use or contrary to their installation and operation instructions, each as described in this document, the user manuals and/or the mounting instructions.