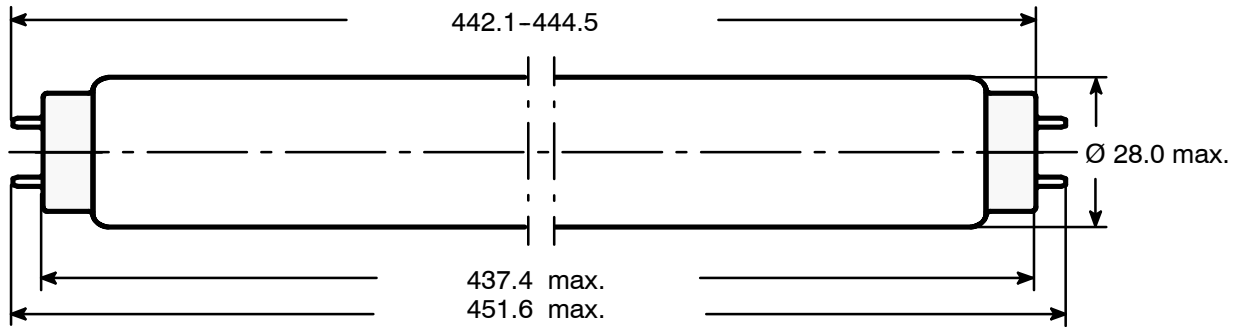


**DIMENSIONS (mm) :**

Nominal dimensions: 450 x 26



Cap: G13 ( IEC61-1 sheet 7004-51-7 )

**ELECTRICAL DATA**

		<u>NOMINAL VALUE</u>	<u>MIN.</u>	<u>MAX.</u>
Frequency	(Hz) :	50		
Lamp nominal wattage	(W) :	15		
Lamp rated wattage	single operation (W) :	15.0	13.8	16.2
	series operation (W) :	32		
Lamp operating voltage	(V) :	55.0	46.0	64.0
Lamp current	single operation (mA) :	310		
	series operation (mA) :	350		
Preheat current	single operation (mA) :	440		
	series operation (mA) :	510		

**OPERATING CONDITIONS**

		<u>NOMINAL VALUE</u>	<u>MIN.</u>	<u>MAX.</u>
Cap rim temperature	(°C) :			125
Lamp ambient temperature	(°C) :		-20	
Ballast impedance	single operation (Ω/V) :	325/127, 590/220, 621/230, 660/240		
	series operation (Ω/V) :	480/220, 510/230, 540/240		
Starter	single operation :	FS-11, FS-22, COP-22		
	series operation :	FS-22, COP-22		
Burning position	:	any		

**LAMP LIFE \***

Average life (50% failure rate)	(h) :	14 000
Individual life	(h) :	6 000

**RADIATION DATA:**

Radiation peak at 365 nm

COLOUR	No.	UV-A irradiance 1m distance bare lamp (315-400nm) (μW/cm <sup>2</sup> )	UV-B irradiance 1m distance bare lamp (280-315nm) (μW/cm <sup>2</sup> )	ILCOS-Code
BLACKLIGHT QUANTUM				
average at 0 h		38,0	0,05	XUV/FD15-E-G13-26/450

**ATTENTION:**

This UV energy source emits UV radiation. Avoid exposure to skin and eyes.  
Lamps comply with the requirements of IEC/EN 60081 and IEC/EN 61195, respectively.  
Starter and ballast must comply with IEC/EN 60155 and IEC/EN 60921, respectively.  
\* Life test according to IEC/EN 60081, Annex C.

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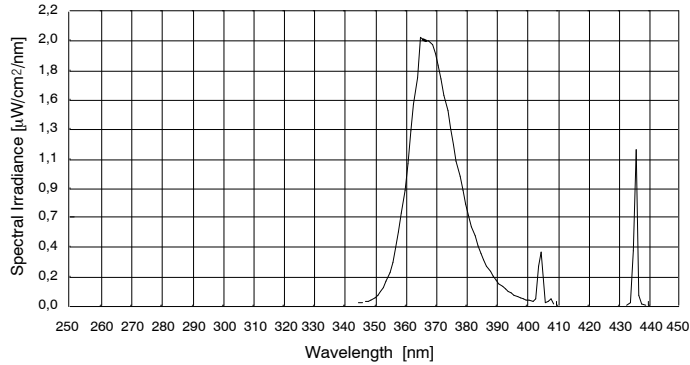
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## F15W/T8/BL QUANTUM

**A) Spectral Irradiance vs. Wavelength**



**Spectral Irradiance @ 1m distance**

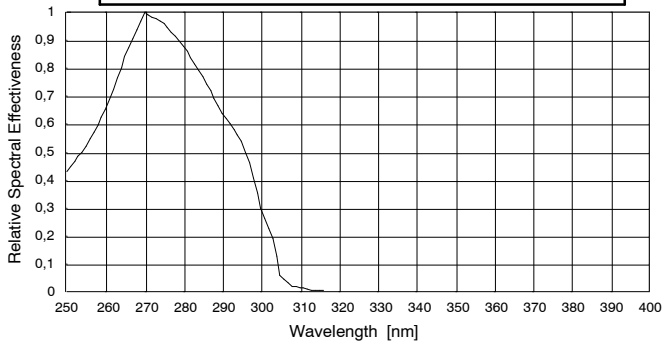
UVA = 38,00 μW/cm<sup>2</sup>  
 UVB = 0,05 μW/cm<sup>2</sup>  
 UVB/UVA = 0,13 %  
 Wavelength range acc. to CIE  
 UVA : 315 - 400 nm  
 UVB : 280 - 315 nm

**Lamp parameter:**

Voltage: 55,0 V  
 Current: 0,310 A  
 Power: 15,0 W

**B) UV Action Curve vs. Wavelength**

Proposal of the British Committee to amend EN 60335-2-59 :1997: Insect killers

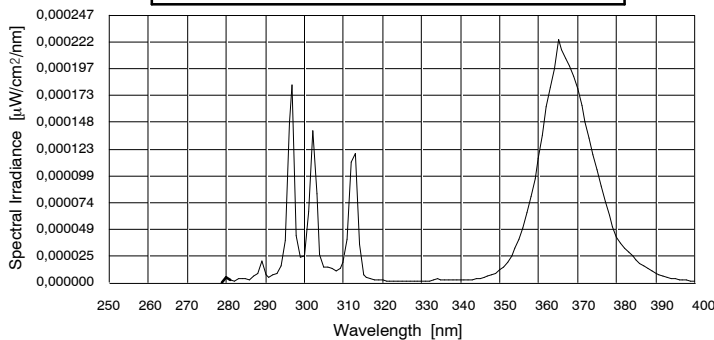


Acc. to EN 60335-2-59 : 1997  
 CLC/TC61(GB)579

**Total Effective Irradiance @ 1m distance**  
 Max. 1 mW/m<sup>2</sup>

Reason: to ensure that the ICNIRP 8 hour effective radiant exposure limit for the eyes and skin of 30 J/m<sup>2</sup> is not exceeded

**C) Total Effective Irradiance vs. Wavelength**  
 = A) x B)



**Total Effective Irradiance @ 1m distance**  
 0,050 mW/m<sup>2</sup>

**ATTENTION:**

This UV energy source emits UV radiation. Avoid exposure to skin and eyes.  
 Lamps comply with the requirements of IEC/EN 60081 and IEC/EN 61195, respectively.  
 Starter and ballast must comply with IEC/EN 60155 and IEC/EN 60921, respectively.  
 \* Life test according to IEC/EN 60081, Annex C.

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