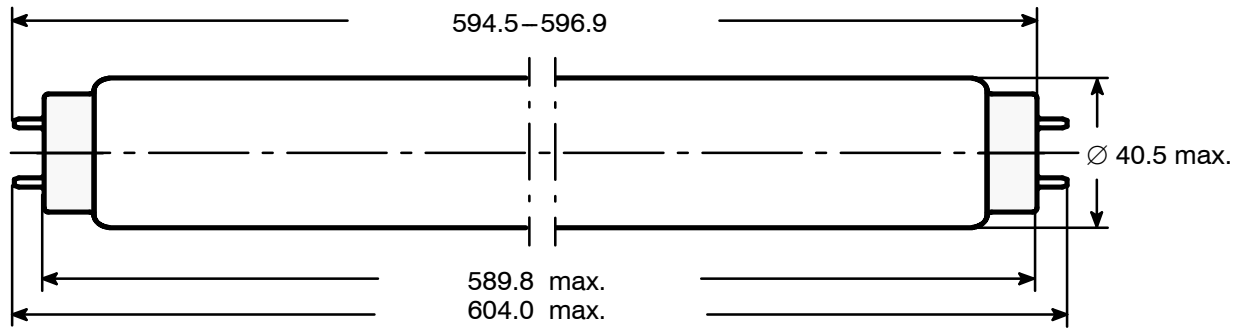




**DIMENSIONS (mm) :**

Nominal dimensions: 600 x 38



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) :	20		
Lamp rated wattage	single operation (W) :	19.3	17.8	20.8
	series operation (W) :	40		
Lamp operating voltage	(r.m.s.) (V) :	57.0	50.0	64.0
Lamp current	single operation (mA) :	370		
	series operation (mA) :	410		
Preheat current	single operation (mA) :	550		
	series operation (mA) :	615		

**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 ( $\Omega/V$ ) :	270/127, 540/220, 580/230, 610/240		
	series operation ( $\Omega/V$ ) :	390/220, 420/230, 452/240		
Starter	single operation :	FS-11, FS-22, COP-11, COP-22		
	series operation :	FS-22, COP-22		
Burning position	:	any		

**LAMP LIFE \***

Average life (50% failure rate)	(h) :	10 000
Individual life	(h) :	4000

**RADIATION DATA:**

Radiation peak at 365 nm

COLOUR	No.	UV-A irradiance 1m distance bare lamp (315-400nm) ( $\mu W/cm^2$ )	UV-B irradiance 1m distance bare lamp (280-315nm) ( $\mu W/cm^2$ )	ILCOS-Code
BLACKLIGHT QUANTUM				
average at 0 h		49,0	0,03	XUV/FD20-E-G13-38/600

**ATTENTION:**

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

Issued by : SLI Lichtsysteme  
Date : 26.03.2004  
Revision Date :

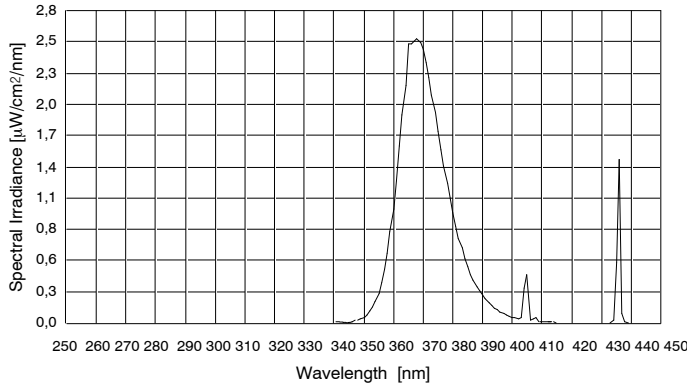
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## F20W/T12/BL QUANTUM

**A) Spectral Irradiance vs. Wavelength**



**Spectral Irradiance @ 1m distance**

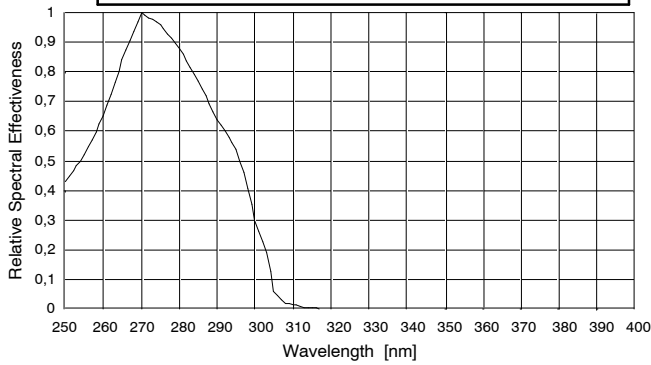
**UVA = 49,00 µW/cm<sup>2</sup>**  
**UVB = 0,03 µW/cm<sup>2</sup>**  
**UVB/UVA = 0,06 %**  
 Wavelength range acc. to CIE  
 UVA : 315 - 400 nm  
 UVB : 280 - 315 nm

**Lamp parameter:**

**Voltage: 57,0 V**  
**Current: 0,370 A**  
**Power: 20,0 W**

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

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

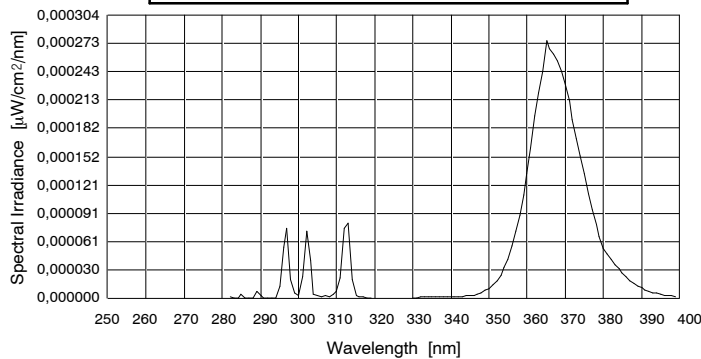


Acc. to EN 60335-2-59 : 1997  
 CLC/TC61(GB)579

**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 EN 60081 and EN 61195, respectively.  
 Starter and ballast must comply with EN 60155 and EN 60921, respectively.  
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