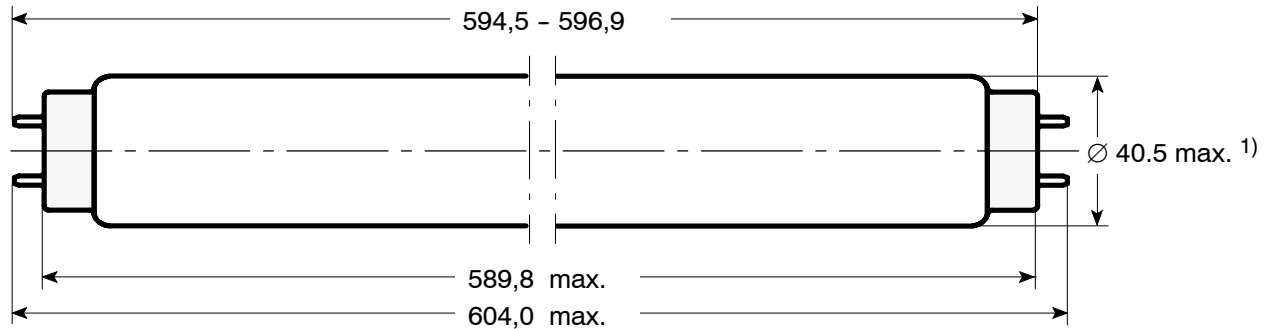


**DIMENSIONS (mm) :**

Nominal dimensions: 600 x 38



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

<sup>1)</sup> The maximum measure for the diameter includes out of round of the bulb and eccentricity versus the lamp axis.

<b>ELECTRICAL DATA</b>		<b>NOMINAL VALUE</b>	<b>MIN.</b>	<b>MAX.</b>
Frequency	(Hz) :	50		
Lamp nominal wattage	(W) :	40		
Lamp rated wattage	(W) :	40.0	37.5	42.5
Lamp operating voltage	(V) :	47.0	40.0	54.0
Lamp current	(mA) :	880		
Preheat current	(mA) :	1320		

<b>OPERATING CONDITIONS</b>		<b>NOMINAL VALUE</b>	<b>MIN.</b>	<b>MAX.</b>
Lamp ambient temperature	(°C) :		-20	
Cap rim temperature	(°C) :			125
Ballast	(Ω/V) :	-		
Starter	110V operation : 230/240V operation :	FS 22 FS 11		
Burning position	:	any		

**LAMP LIFE \***

Average life (50% failure rate)	(h) :	10 000
Individual life	(h) :	4 000

**RADIATION DATA:**

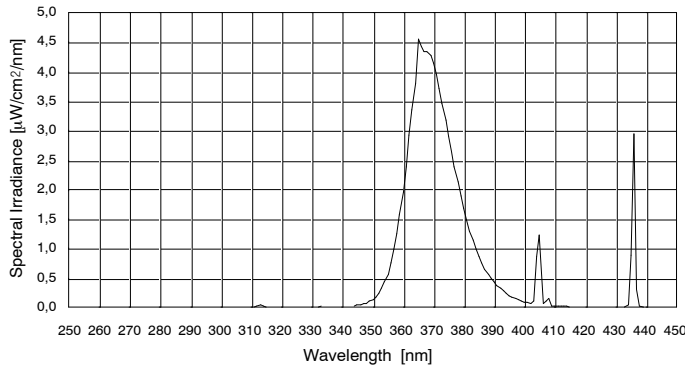
Radiation peak at 365 nm

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 average at 0 h	BL368	85,0	0,10	XUV/FD40-E-G13-38/590

**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.

**40W T12 BL 368**

**A) Spectral Irradiance vs. Wavelength**

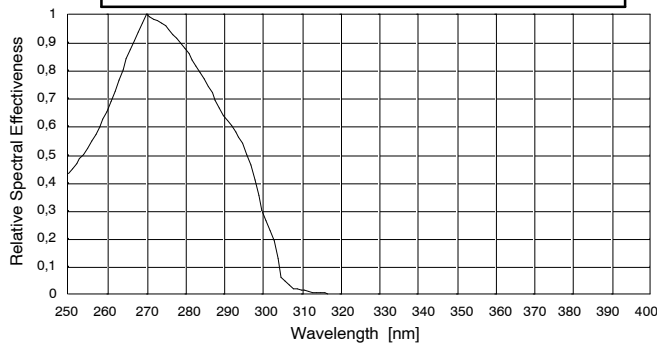


**Spectral Irradiance @ 1m distance**

**UVA = 85,00 µW/cm<sup>2</sup>**  
**UVB = 0,10 µW/cm<sup>2</sup>**  
**UVB/UVA = 0,12 %**  
 Wavelength range acc. to CIE  
 UVA : 315 - 400 nm  
 UVB : 280 - 315 nm  
  
**Lamp parameter:**  
**Voltage: 47,0 V**  
**Current: 0,880 A**  
**Power: 40,0 W**

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

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

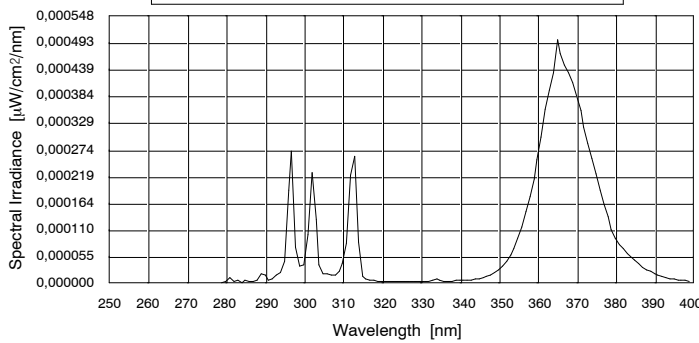


**Acc. to EN 60335-2-59 : 1997**  
**CLC/TC61(GB)579**

**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**  
**0,100 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.  
 \* Life test according to EN 60081, Annex C.