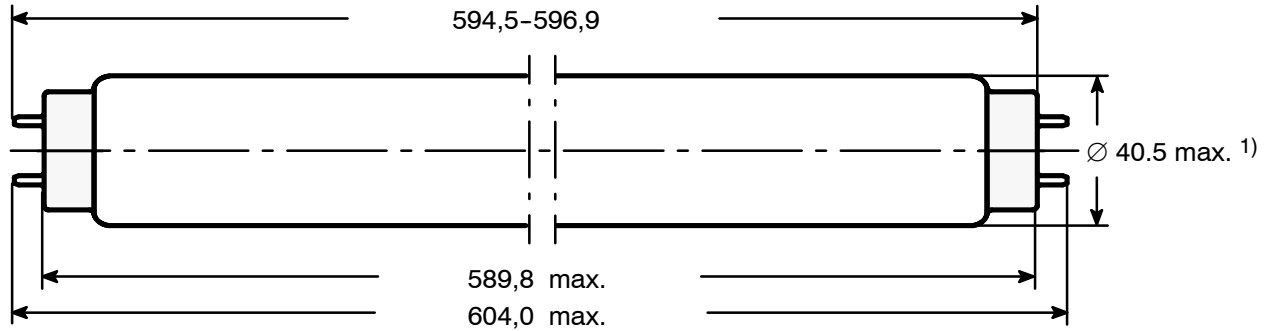


DIMENSIONS [mm] :

Nominal dimensions: 600 x 38



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

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

ELECTRICAL DATA

		<u>NOMINAL VALUE</u>	<u>MIN.</u>	<u>MAX.</u>
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		

OPERATING CONDITIONS

		<u>NOMINAL VALUE</u>	<u>MIN.</u>	<u>MAX.</u>
Lamp ambient temperature	[°C] :		-20	
Cap rim temperature	[°C] :			125
Ballast	[Ω/V] :	-		
Starter	110V operation : 230/240V operation :	FS 22, COP 22 FS 11, COP 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 ²]	UV-B irradiance 1m distance bare lamp (280-315nm) [μW/cm ²]	ILCOS-Code
BLACKLIGHT QUANTUM average at 0 h		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.

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DATA SHEET

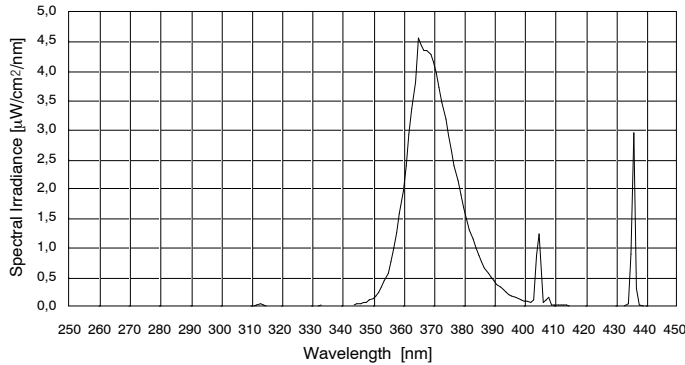
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Evaluation acc. EN60335-2-59

F40W/T12/2FT/BL QUANTUM

A) Spectral Irradiance vs. Wavelength



Spectral Irradiance @ 1m distance

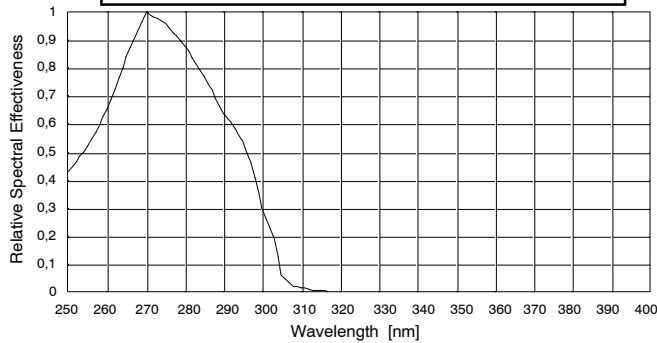
UVA = 85,00 µW/cm²
 UVB = 0,10 µW/cm²
 UVB/UVA = 0,12 %
 Wavelength range acc. to CIE
 UVA : 315 - 400 nm
 UVB : 280 - 315 nm

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

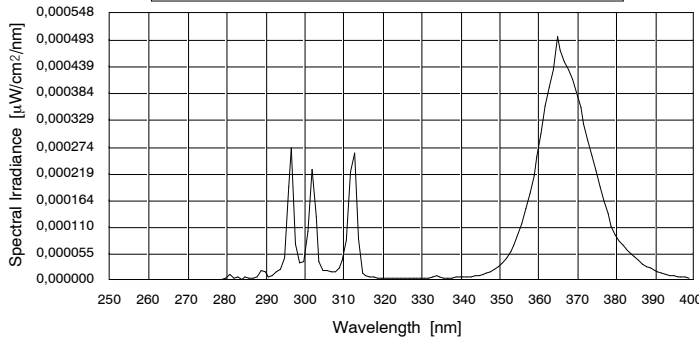


Acc. to EN 60335-2-59 : 1997
 CLC/TC61(GB)579

Total Effective Irradiance @ 1m distance
 Max. 1 mW/m²

Reason: to ensure that the ICNIRP 8 hour effective radiant exposure limit for the eyes and skin of 30 J/m² is not exceeded

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



Total Effective Irradiance @ 1m distance
 0,100 mW/m²

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