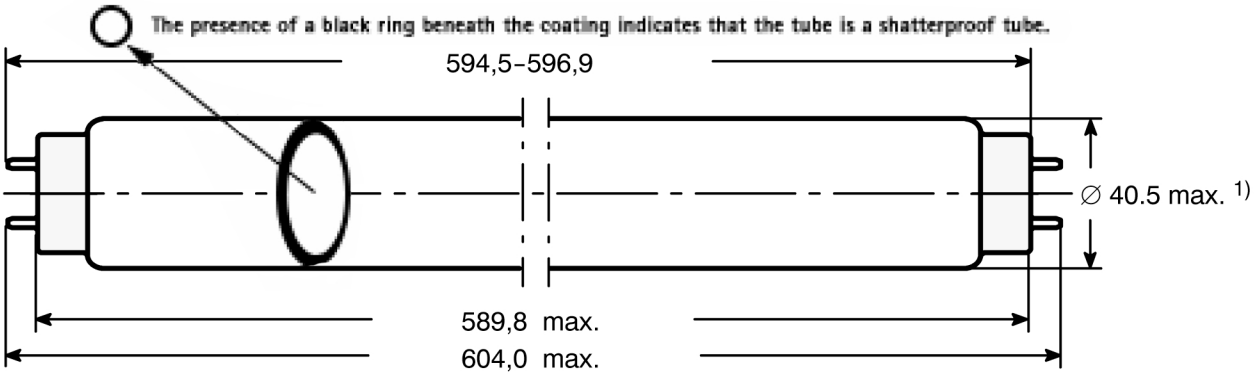
FLUORESCENT LAMP F40W/T12/2ft/BL/Quantum

50 Hz-Operation

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		NOMINAL VALUE	MIN.	MAX.
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		NOMINAL VALUE	MIN.	MAX.
Lamp ambient temperature	[°C] :		-20	
Cap rim temperature	[°C] :			125
Ballast	[Ω/V] :	-		
Starter	110V operation :	FS 22, COP 22		
	230/240V operation :	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

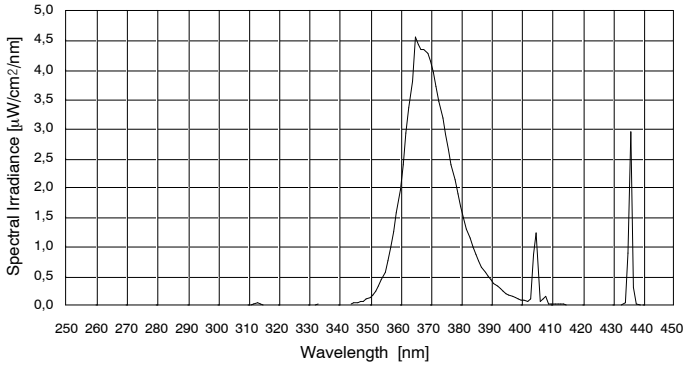
COLOUR	No.	UV-A irradiance 1m distance bare lamp (315-400nm) [µW/cm²]	UV-B irradiance 1m distance bare lamp (280-315nm) [µW/cm²]	ILCOS-Code
BLACKLIGHT QUANTUM				
average at 0 h		85,0	0,10	XUV/FD40-E-G13-38/590

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.**

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**	**%**

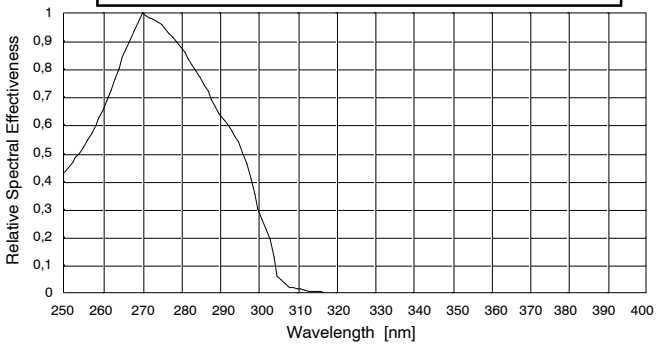
Wavelength range acc. to CIE
UVA : 315 - 400 nm
UVB : 280 - 315 nm

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

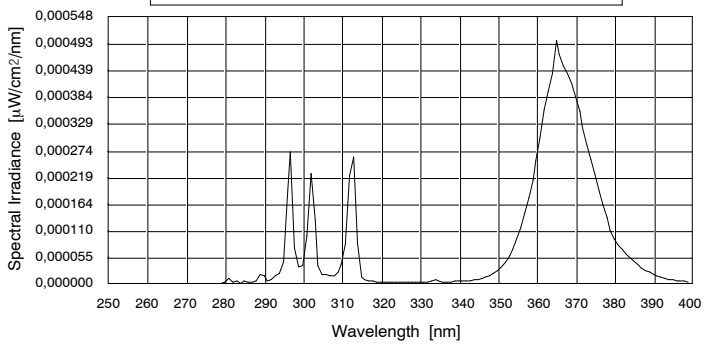


Acc. to EN 60335-2-59 : 1997
CLC/TC61(GB)579

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