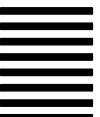




FLUORESCENT LAMP

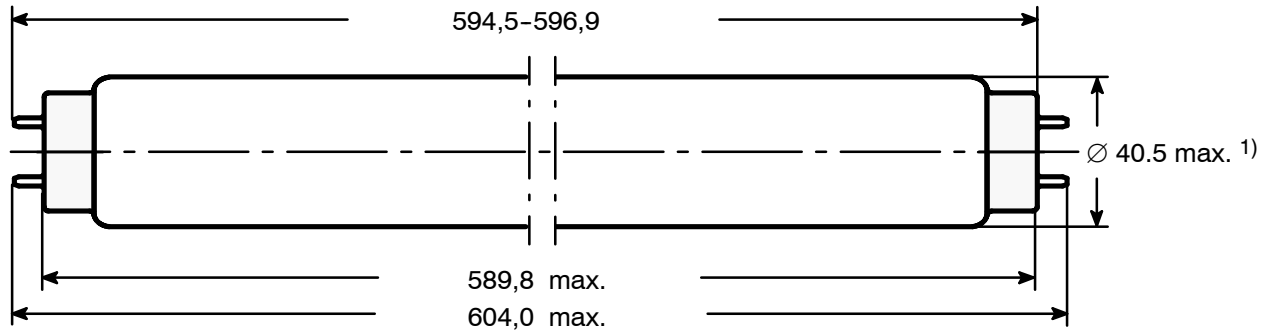
F40W/T12/2 FT/BL/Quantum

50 Hz-Operation



DIMENSIONS (mm) :

Nominal dimensions: 590 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

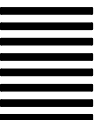
ATTENTION:

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.

Issued by : SLI Lichtsysteme
Date : 26.03.2004
Revision Date :

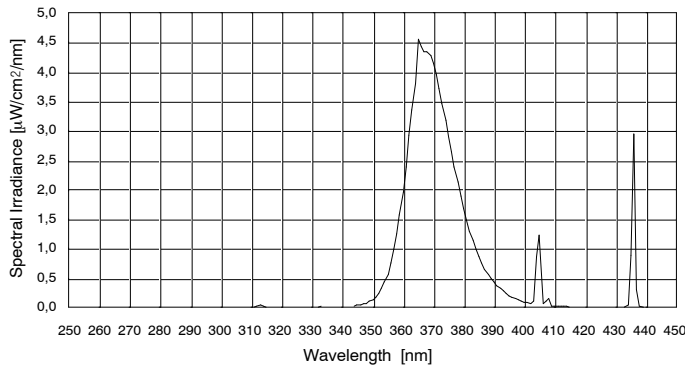
DATA SHEET

Specification No.: 5889
Supersedes :
Page 1 of 2



F40W/T12/2FT/BL QUANTUM

A) Spectral Irradiance vs. Wavelength



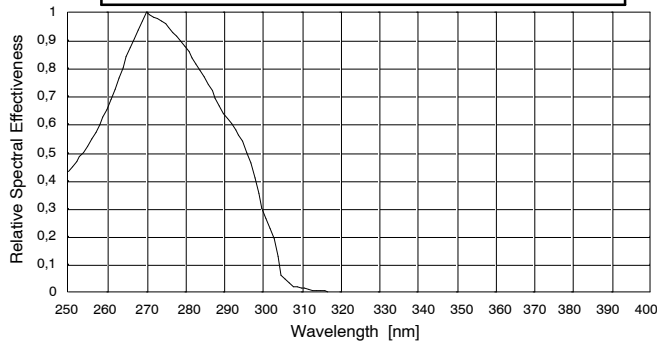
Spectral Irradiance @ 1m distance

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

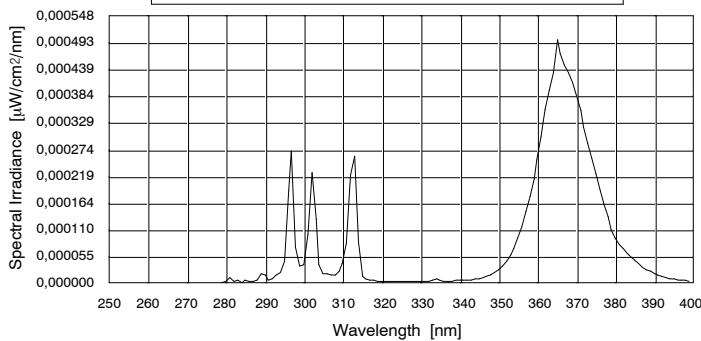


Acc. to EN 60335-2-59 : 1997
CLC/TC61(GB)579

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

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 :

DATA SHEET

Specification No.: 5889
 Supersedes :
 Page 2 of 2