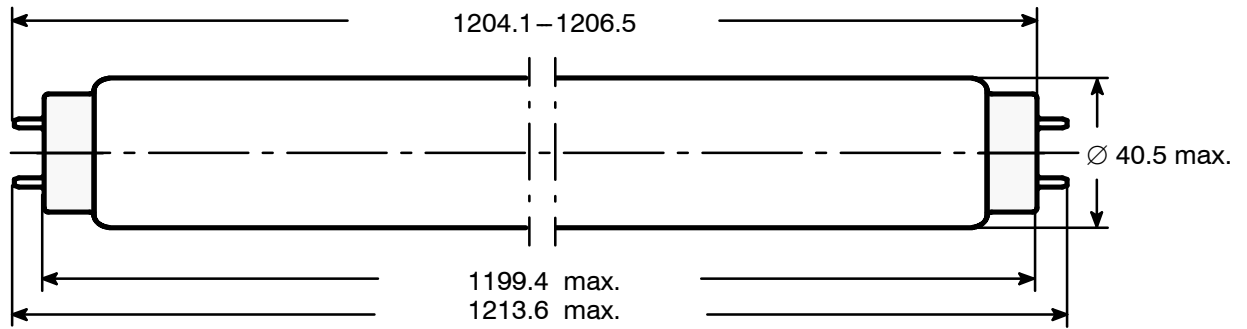


DIMENSIONS (mm) :

Nominal dimensions: 1200 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) : | 40.0 | | |
| Lamp rated wattage | (W) : | 39.5 | 37.0 | 42.0 |
| Lamp operating voltage | (r.m.s.) (V) : | 103.0 | 93.0 | 113.0 |
| Lamp current | (mA) : | 430 | | |
| Preheat current | (mA) : | 650 | | |

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) : | 390/220, 420/230, 452/240 | | |
| Starter | : | FS-11, COP-11, | | |
| 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) (μW/cm) | UV-B irradiance 1m distance bare lamp (280-315nm) (μW/cm) | ILCOS-Code |
|--------------------|-----|---|---|------------------------|
| BLACKLIGHT QUANTUM | | | | |
| average at 0 h | | 95,0 | 0,07 | XUV/FD40-E-G13-38/1200 |

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 :

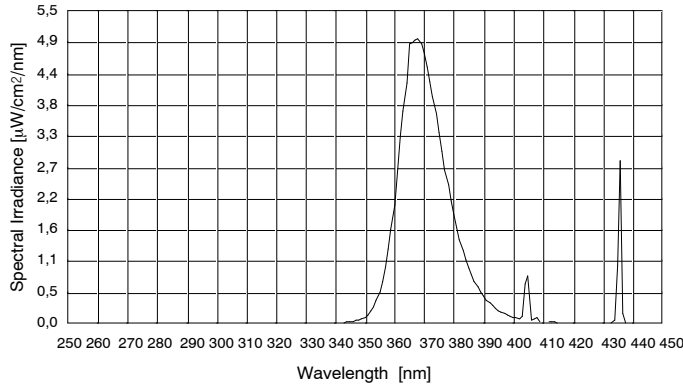
DATA SHEET

Specification No.: 5888
Supersedes :
Page 1 of 2



F40W/T12/BL QUANTUM

A) Spectral Irradiance vs. Wavelength



Spectral Irradiance @ 1m distance

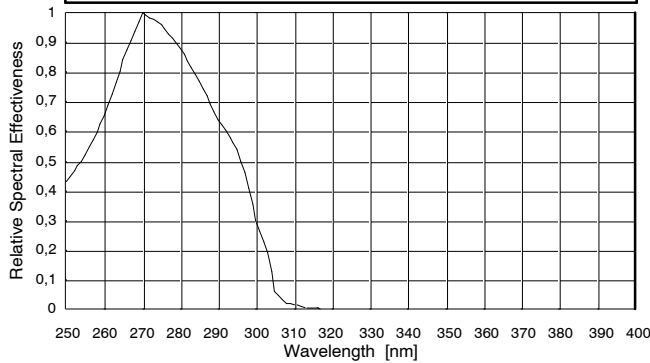
UVA = 95,00 µW/cm²
UVB = 0,07 µW/cm²
UVB/UVA = 0,08 %
 Wavelength range acc. to CIE
 UVA : 315 - 400 nm
 UVB : 280 - 315 nm

Lamp parameter:

Voltage: 103,0 V
Current: 0,430 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

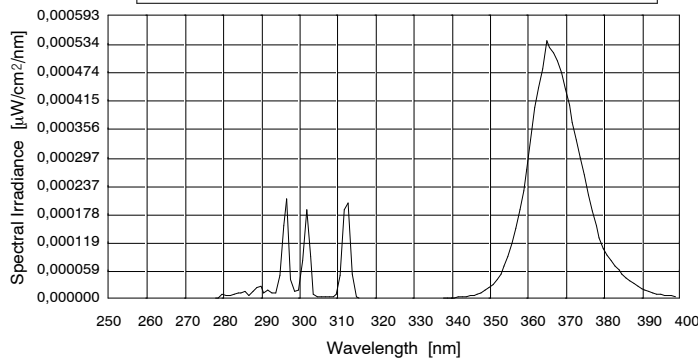


Acc. to EN 60335-2-59 : 1997
 CLC/TC61(GB)579

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
0,105 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.: 5888
 Supersedes :
 Page 2 of 2