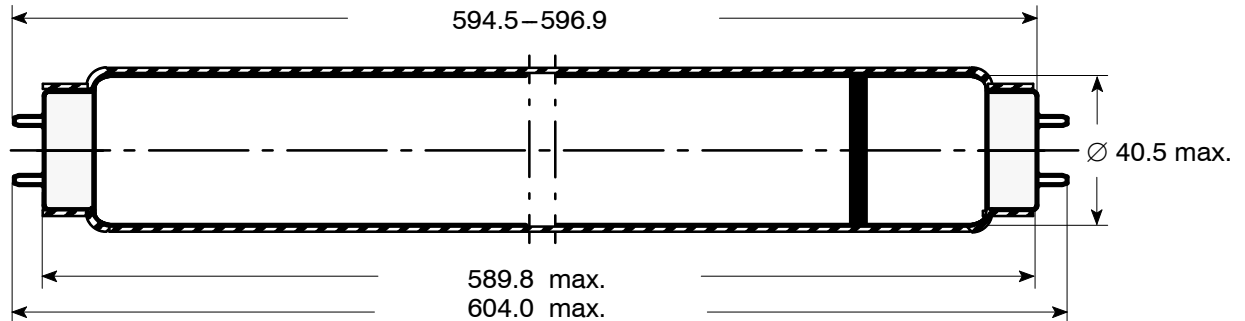


DIMENSIONS (mm) :

Nominal dimensions: 600 x 38



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

ELECTRICAL DATA

		NOMINAL VALUE	MIN.	MAX.
Frequency	(Hz) :	50		
Lamp nominal wattage	(W) :	20		
Lamp rated wattage	single operation (W) :	19.3	17.8	20.8
	series operation (W) :	40		
Lamp operating voltage	(r.m.s.) (V) :	57.0	50.0	64.0
Lamp current	single operation (mA) :	370		
	series operation (mA) :	410		
Preheat current	single operation (mA) :	550		
	series operation (mA) :	615		

OPERATING CONDITIONS

		NOMINAL VALUE	MIN.	MAX.
Cap rim temperature	(°C) :			125
Lamp ambient temperature	(°C) :		-20	
Ballast impedance	single operation (Ω/V) :	270/127, 540/220, 580/230, 610/240		
	series operation (Ω/V) :	390/220, 420/230, 452/240		
Starter	single operation :	FS-11, FS-22, COP-11, COP-22		
	series operation :	FS-22, COP-22		
Burning position	:	any		

LAMP LIFE *

Average life (50% failure rate)	(h) :	10 000
Individual life	(h) :	4000

PHOTOMETRIC DATA:

COLOUR	No.	UV-A irradiance 1 m distance bare lamp (315-400nm) (μW/cm ²)	UV-B irradiance 1 m distance bare lamp (280-315nm) (μW/cm ²)	ILCOS-Code
BLACKLIGHT average at 0 h		47,9	0,42	XUV/FD20-E-G13-38-590

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Date : 20.03.2007
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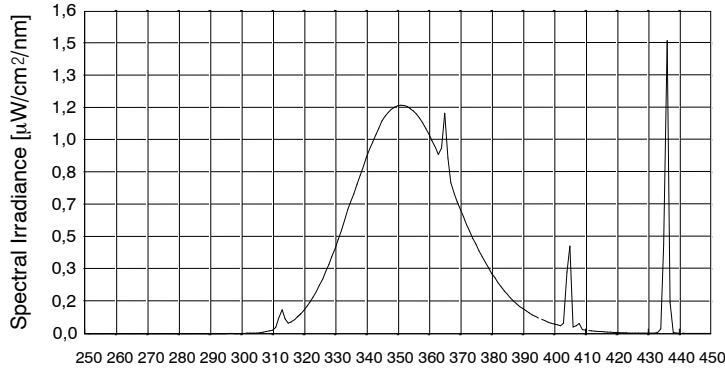


Evaluation acc. to EN60335-2-59

MW 20WT12BL350

0 h

A) Spectral Irradiance vs. Wavelength



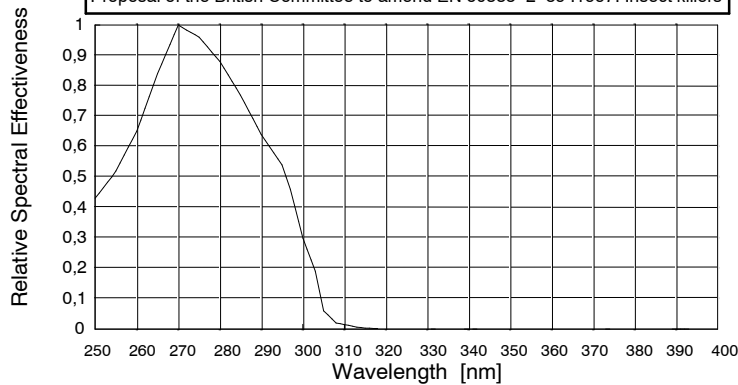
Spectral Irradiance @ 1m distance

UVA = 47,90 μW/cm²
 UVB = 0,42 μW/cm²
 UVB/UVA = 0,87%
 Wavelength range acc. to CIE
 UVA : 315 - 400 nm
 UVB : 280 - 315 nm

Lamp parameter:
 Voltage: 57 V
 Current: 0,370 A
 Power: 20,0 W

B) UV Action Curve vs. Wavelength

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

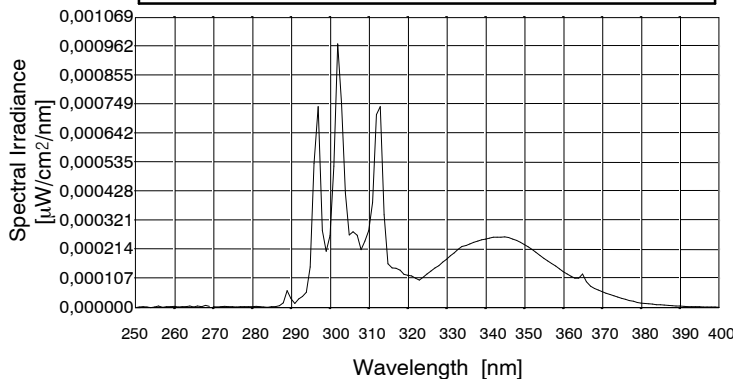


Acc. to EN 60335-2-59 : 1997
 CLC/TC61(GB)579

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

0,192 mW/m²

Datenfile: MW20WT12BL350.dat

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. This lamp shall be replaced at the end of the rated life.
 * Life test according to EN 60081, Annex C.

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