## UV-A ENERGY SOURCE

## F4W T5 BLB

**DIMENSIONS (mm)** 

Ballast impedance - single lamp 50Hz:4/6/8W 700ohm 127V FS22 StarterBallast impedance - twin series 50Hz:13W 1070ohm 220V FS22 StarterHigh Frequency Operation::Cap Rim temperature(°C) :8	DIMENSIONS (mm)					I.	
Visual and the series Soltz     Nominal Value     Min.     Max.       ELECTRICAL DATA     150.1 max.     Nominal Value     Min.     Max.       Lamp rated wattage     (W):     4.0     3.3     4.7       Lamp caretad wattage     (W):     29     24     34       Lamp caretad wattage     (mA):     170     170       Preheat current     (mA):     170     170       Preheat current     (mA):     170     170       Ballast impedance - single lamp 50Hz     :     4/6/8W 700ohm 127V FS22 Starter     Max.       Ballast impedance - single lamp 50Hz     :     13W 1070ohm 220V FS22 Starter     13W 1070ohm 220V FS22 Starter       Ballast impedance - single lamp 50Hz     :     13W 1070ohm 127V FS22 Starter     8       Ballast impedance - single lamp 50Hz     :     13W 1070ohm 220V FS22 Starter     8       Lamp Ambient Temperature     (°C):     :     25     -15     5       Operating Position     :     Any     10000     10000     10000       UV-A     (315 - 400 nm)     :     <     60     µW/cm <sup>2</sup> UV-B     (280 - 315 nm)     : <td< th=""><th>•</th><th>140.6 - 143.0</th><th></th><th></th><th></th><th></th><th></th></td<>	•	140.6 - 143.0					
Lemp rated wattage     Nominal Value     Min.     Max.       Lamp rated wattage     (W):     4.0     3.3     4.7       Lamp rated wattage     (W):     4.0     3.3     4.7       Lamp operating voltage (rms)     (V):     29     24     34       Lamp current     (mA):     170     170     170       Preheat current     (mA):     170     170     170       OPERATING CONDITIONS:     Nominal Value     Min.     Max.       Ballast impedance - single lamp 50Hz     :     4/6/8W 700ohm 127V FS22 Starter     13W 1070ohm 220V FS22 Starter       Ballast impedance - twin series 50Hz     :     13W 1070ohm 220V FS22 Starter     8       Lamp Ambient Temperature     (°C):     25     -15     5       Operating Position     :     Any     10000     10000       LAMP LIFE 1     Average life (50% failure)     (h):     10000     10000       UV-A     (315 - 400 nm)     :      60     µW/cm <sup>2</sup> UV-B     (280 - 315 nm)     :      0.6     µW/cm <sup>2</sup>	Cap Type G5						
Line     Nominal Value     Min.     Max.       Lamp rated wattage     (W):     4.0     3.3     4.7       Lamp operating voltage (rms)     (V):     29     24     34       Lamp current     (mA):     170     170       Preheat current     (mA):     170       Preheat current     (mA):     170       OPERATING CONDITIONS:     Nominal Value,     Min.,     Max.       Ballast impedance - single lamp 50Hz     :     4/6/8W 700ohm 127V FS22 Starter     Max.       Ballast impedance - twin series 50Hz     :     13W 1070ohm 220V FS22 Starter     Min.,     Max.       Ballast impedance - twin series 50Hz     :     13W 1070ohm 220V FS22 Starter     8       Lamp Ambient Temperature     (°C):     25     -15     5       Operating Position     :     Any     10000     10000     10000       LAMP LIFE '     (at d = 500 mm)     .     60     µW/cm²     UV-A     (315 - 400 nm)     :     < 60     µW/cm²       UV-B     (280 - 315 nm)     :      0.6     µW/cm²     .     .						Ø	6 max.
Lamp rated wattage (W) : 4.0 3.3 4.7 Lamp operating voltage (rms) (V) : 29 24 34 Lamp current (mA) : 170 Preheat current (mA) : 170 Preheat current (mA) : 170 OPERATING CONDITIONS; Nominal Value, Min, Max Ballast impedance - single lamp 50Hz : 4/6/8W 700ohm 127V FS22 Starter Ballast impedance - twin series 50Hz : 13W 1070ohm 220V FS22 Starter High Frequency Operation : Cap Rim temperature (°C) : 25 -15 5 Operating Position : Any LAMP LIFE <sup>1</sup> Average life (50% failure) (h) : 10000 UV OUTPUT DATA: (at d = 500 mm) Peak Intensity at 350 nm UV-A (315 - 400 nm) : < 60 $\mu$ W/cm <sup>2</sup> UV-B (280 - 315 nm) : < 0.6 $\mu$ W/cm <sup>2</sup>	•					<b>-</b>	
Lamp operating voltage (rms)     (V) :     29     24     34       Lamp current     (mA) :     170       Preheat current     (mA) :     170       OPERATING CONDITIONS:     Nominal Value,     Min,     Max       Ballast impedance - single lamp 50Hz     :     4/6/8W 700ohm 127V FS22 Starter     Ballast impedance - twin series 50Hz     :     13W 1070ohm 220V FS22 Starter       Ballast impedance - twin series 50Hz     :     13W 1070ohm 220V FS22 Starter     8       Lamp Ambient Operation     :     :     25     -15     5       Coperating Position     :     Any     8     10000     10000       LAMP LIFE     1     10000     <	ELECTRICAL DATA		No	minal Va	lue	<u>Min.</u>	<u>Max.</u>
Lamp current     (mA) :     170       Preheat current     (mA) :     170       OPERATING CONDITIONS:     Nominal Value     Min,     Max       Ballast impedance - single lamp 50Hz     :     4/6/8W 700ohm 127V FS22 Starter       Ballast impedance - twin series 50Hz     :     13W 1070ohm 220V FS22 Starter       High Frequency Operation     :     :     200 FS22 Starter       Cap Rim temperature     (°C) :     25     -15     5       Qperating Position     :     Any     Any       LAMP LIFE <sup>1</sup> Average life (50% failure)     (h) :     10000       UV OUTPUT DATA:     (at d = 500 mm)     .     60 μW/cm <sup>2</sup> UV-A     (315 - 400 nm)     :     < 60 μW/cm <sup>2</sup> UV-B     (280 - 315 nm)     :     < 0.6 μW/cm <sup>2</sup>	Lamp rated wattage	(W) :		4.0		3.3	4.7
Preheat current(mA) :OPERATING CONDITIONS:Nominal Value,Min.,MaxBallast impedance - single lamp 50Hz: $4/6/8W$ 700ohm 127V FS22 StarterBallast impedance - twin series 50Hz:13W 1070ohm 220V FS22 StarterHigh Frequency Operation::Cap Rim temperature(°C) :25Cap Rim temperature(°C) :25Operating Position:AnyLAMP LIFE <sup>1</sup> Average life (50% failure)(h) :10000UV OUTPUT DATA:(at d = 500 mm)Peak Intensity at 350 nm:< 60 $\mu$ W/cm²UV-B(280 - 315 nm):< 0.6 $\mu$ W/cm²	Lamp operating voltage (rms)	(V) :		29		24	34
OPERATING CONDITIONS:Nominal Value,Min,MaxBallast impedance - single lamp 50Hz: $4/6/8W$ 700ohm 127V FS22 StarterBallast impedance - twin series 50Hz:13W 1070ohm 220V FS22 StarterHigh Frequency Operation::Cap Rim temperature(°C) :25Lamp Ambient Temperature(°C) :25Operating Position:AnyLAMP LIFE1Average life (50% failure)(h) :10000UV OUTPUT DATA:(at d = 500 mm)Peak Intensity at 350 nm:< 60 $\mu$ W/cm²UV-B(280 - 315 nm):< 0.6 $\mu$ W/cm²	Lamp current	(mA) :		170			
Ballast impedance - single lamp 50Hz : 4/6/8W 700ohm 127V FS22 Starter Ballast impedance - twin series 50Hz : 13W 1070ohm 220V FS22 Starter High Frequency Operation : Cap Rim temperature (°C) : 25 -15 5 Operating Position : Any LAMP LIFE <sup>1</sup> Average life (50% failure) (h) : 10000 UV OUTPUT DATA: (at d = 500 mm) Peak Intensity at 350 nm UV-A (315 - 400 nm) : < 60 $\mu$ W/cm <sup>2</sup> UV-B (280 - 315 nm) : < 0.6 $\mu$ W/cm <sup>2</sup>	Preheat current	(mA) :					
Ballast impedance - twin series 50Hz : 13W 1070ohm 220V FS22 Starter High Frequency Operation : Cap Rim temperature (°C) : 25 -15 5 Querating Position : Any LAMP LIFE <sup>1</sup> Average life (50% failure) (h) : 10000 UV OUTPUT DATA: (at d = 500 mm) Peak Intensity at 350 nm UV-A (315 - 400 nm) : < 60 $\mu$ W/cm <sup>2</sup> UV-B (280 - 315 nm) : < 0.6 $\mu$ W/cm <sup>2</sup>	OPERATING CONDITIONS:		No	minal Va	<u>llue</u>	<u>Min.</u>	<u>Max.</u>
High Frequency Operation     :     8       Cap Rim temperature     (°C) :     25     -15     5       Deprating Position     :     Any     4     5       LAMP LIFE 1     Any     4     4     500 mm)     10000       UV OUTPUT DATA:     (at d = 500 mm)     10000     10000     10000       UV-A     (315 - 400 nm)     :     <	Ballast impedance - single lamp 50Hz	:	4/6/8W 700ohm 127V FS22 Starter				
Cap Rim temperature(°C) :8Lamp Ambient Temperature(°C) :25-155Operating Position:Any10000LAMP LIFE11000010000UV OUTPUT DATA:(at d = 500 mm)Peak Intensity at 350 nm:< 60 $\mu$ W/cm <sup>2</sup> UV-A(315 - 400 nm):< 60 $\mu$ W/cm <sup>2</sup> UV-B(280 - 315 nm):< 0.6 $\mu$ W/cm <sup>2</sup>	Ballast impedance - twin series 50Hz	:	1:	3W 1070c	ohm 220V F	S22 Starter	
Lamp Ambient Temperature(°C) :25-155Operating Position:AnyLAMP LIFE1Average life (50% failure)(h) :10000UV OUTPUT DATA:(at d = 500 mm)Peak Intensity at 350 nmUV-A(315 - 400 nm):< 60 $\mu$ W/cm²UV-B(280 - 315 nm):< 0.6 $\mu$ W/cm²	High Frequency Operation	:					
Operating Position:AnyLAMP LIFE Average life (50% failure)(h) :10000UV OUTPUT DATA: Peak Intensity at 350 nm(at d = 500 mm)Peak Intensity at 350 nm:<UV-A(315 - 400 nm):UV-B(280 - 315 nm)::<Operating Position::<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:<:	Cap Rim temperature	(°C) :					80
LAMP LIFE     1       Average life (50% failure)     (h):     10000       UV OUTPUT DATA:     (at d = 500 mm)       Peak Intensity at 350 nm     (at d = 500 mm)       UV-A     (315 - 400 nm)     :     < 60 $\mu$ W/cm <sup>2</sup> UV-B     (280 - 315 nm)     :     < 0.6 $\mu$ W/cm <sup>2</sup>	Lamp Ambient Temperature	(°C) :		25		-15	50
Average life (50% failure)     (h) :     10000       UV OUTPUT DATA:     (at d = 500 mm)       Peak Intensity at 350 nm	Operating Position	:		Any	,		
UV OUTPUT DATA:     (at d = 500 mm)       Peak Intensity at 350 nm	·						
Peak Intensity at 350 nm       UV-A     (315 - 400 nm)     :     <     60 $\mu$ W/cm <sup>2</sup> UV-B     (280 - 315 nm)     :     <     0.6 $\mu$ W/cm <sup>2</sup>	Average life (50% failure)	(h) :		1000	0		
UV-A (315 - 400 nm) : < 60 $\mu$ W/cm <sup>2</sup> UV-B (280 - 315 nm) : < 0.6 $\mu$ W/cm <sup>2</sup>	UV OUTPUT DATA: (at d	l = 500 mm)					
UV-B (280 - 315 nm) : < 0.6 $\mu$ W/cm <sup>2</sup>	Peak Intensity at 350 nm						
	UV-A (315 - 400 nm)	:	<	60	µW/cm²		
UV-C (260 - 280 nm) : < 0.001 μW/cm <sup>2</sup>	UV-B (280 - 315 nm)	:	<	0.6	µW/cm²		
	UV-C (260 - 280 nm)	:	<	0.001	µW/cm²		

## ATTENTION:

This UV-A energy source emits UV radiation. Avoid exposure to skin and eyes. The product must be used with suitable operating equipment and in accordance with the specified data. This product is in accordance with relevant IEC standards.

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Revision date	: 14.11.97	DATA SHEET	Page	: 1 of 1
Date	: 18.01.94		Supersedes	:
Issued by	: SHIPLEY		Number	: 6131

SYLVANIA reserves the right to change data and specifications without notice. Data for guidance only.

