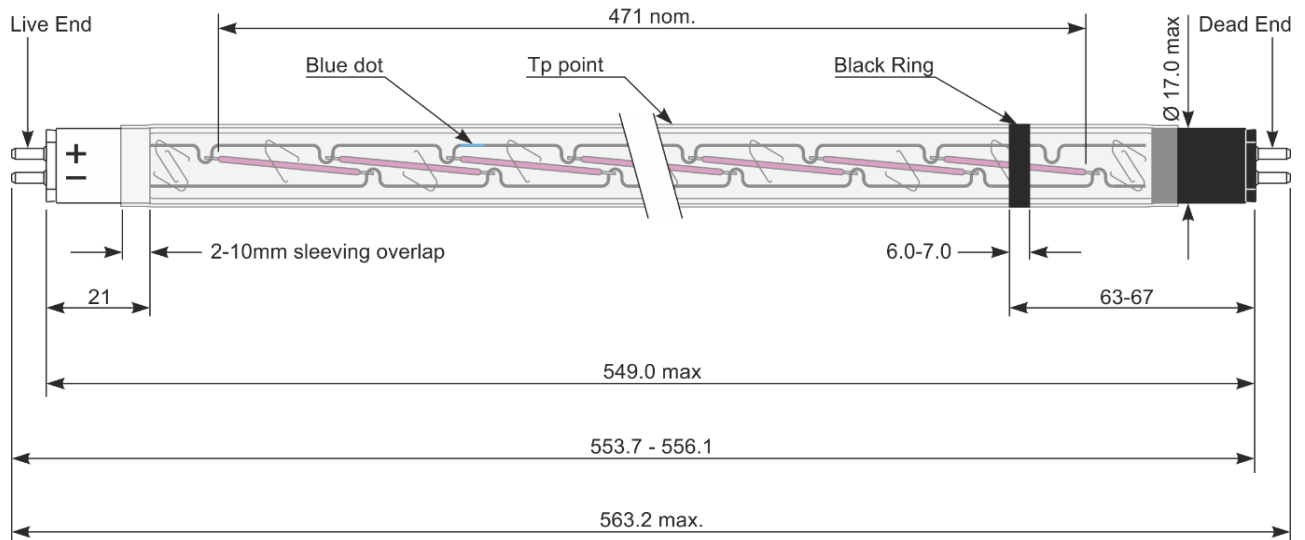



MECHANICAL DATA:

Bulb type : T5

Cap type : G5

Finish : Clear + FEP Sleeve 200 µm

ELECTRICAL DATA:

		RATED	MIN.	MAX.
Lamp Power	(W) :	5.6		6.5
Lamp Voltage	(V) :	75	74	76
Lamp Current	(mA) :	75	0	U.C.
Energy Consumption per 1000h	(kW/h) :	6.2		
Power Factor	(λ) :	1.0		
Supply Frequency	(Hz) :	DC		

PHOTOMETRIC DATA:

		RATED	MIN.	MAX.
Beam Angle to 50% Peak	(°) :	150	120	180
UV Irradiance @ 1m	(mW/m ²) :	120	90	150
Luminous Flux	(lm) :	10	5	15
Peak Wavelength	(nm) :	370	365	375
Dominant Wavelength	(nm) :	465	-	-
Correlated Colour Temperature	(K) :	-	6000	-
Chromaticity Co-ordinates	(x,y) :	0.154 0.026	10 SDCM	

LIFE DATA:

		RATED	MIN.	MAX.
Average Life (L _{70F50})	(h) :	20 000	UC	UC
Switching Cycles	(#) :		100 000	

OPERATING CONDITIONS:

		RATED	MIN	MAX
Ta Ambient temperature range	(°C) :	25	-40	UC
Tp Point	(°C) :	35	-	UC
Starting Time	(s) :	-	-	<0.5
Warm-up Time to >95% Flux	(s) :	-	-	<1.0
Burning Position	:		Universal	
External Control Gear type	:		LED Driver	

APPLICATION: Ultraviolet source, IP 68 hermetically sealed construction. Suitable for indoor/outdoor use. Use with constant current DC driver. Dimmable to 0%. Connect multiple lamps in series. Complies with relevant clauses of IEC 62776, 62560, 62031, 62612, 62717, 62471.

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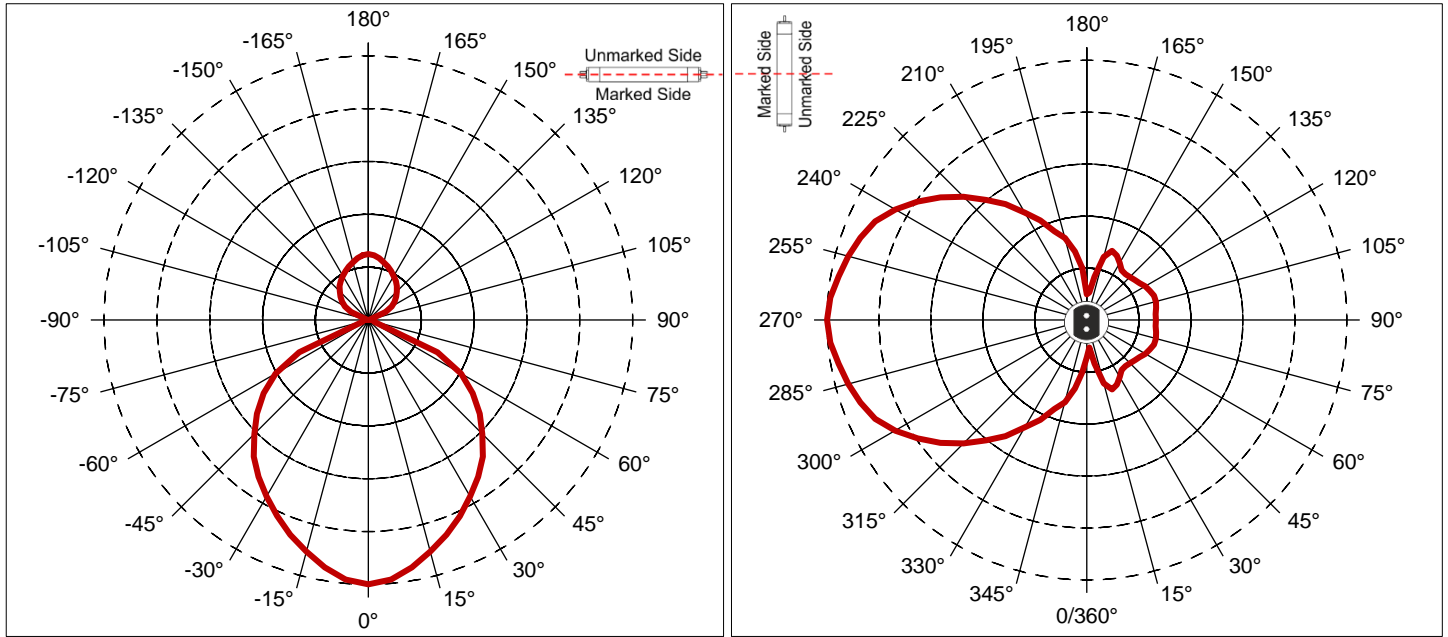
DATA SHEET

Specification No. : 70-TD-7203228/F

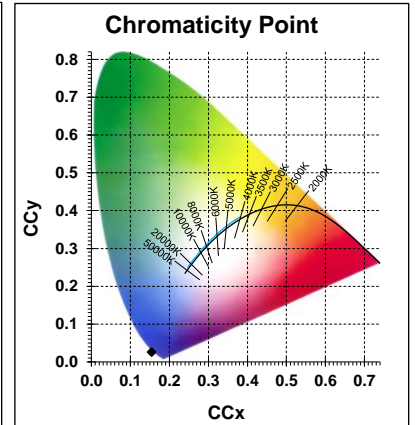
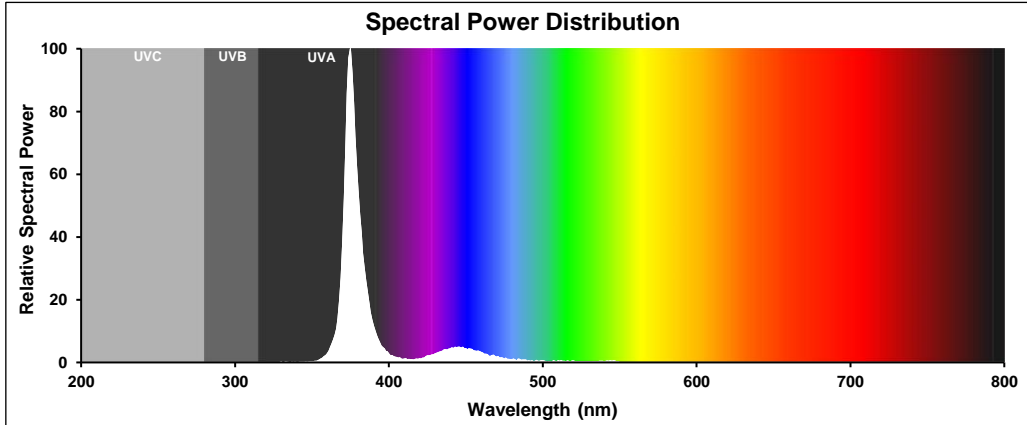
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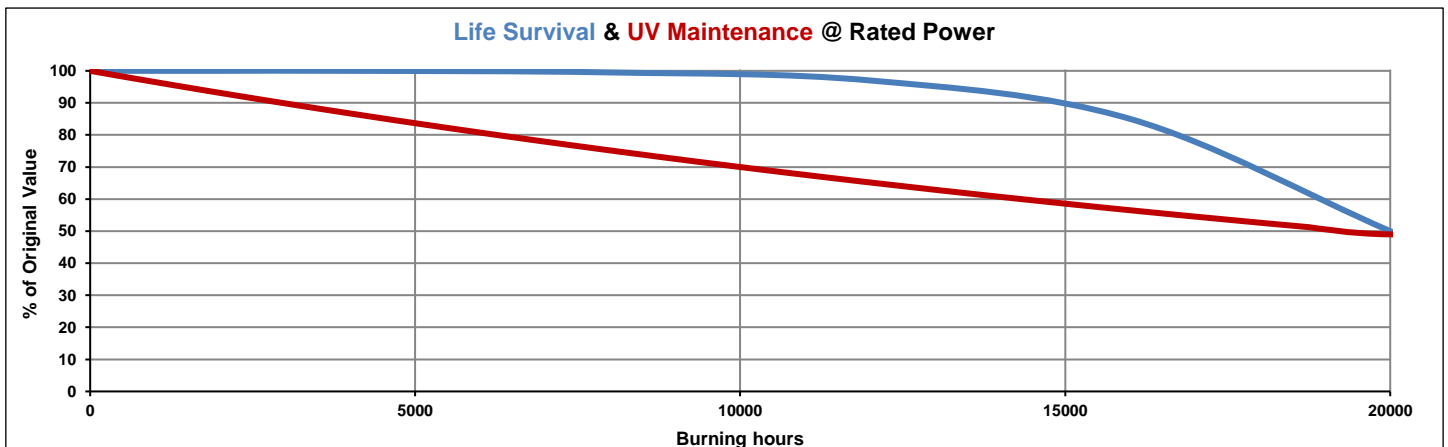
PHOTOMETRIC GRAPHICS:



SPECTRAL GRAPHICS:



PERFORMANCE GRAPHICS: (Under Consideration)



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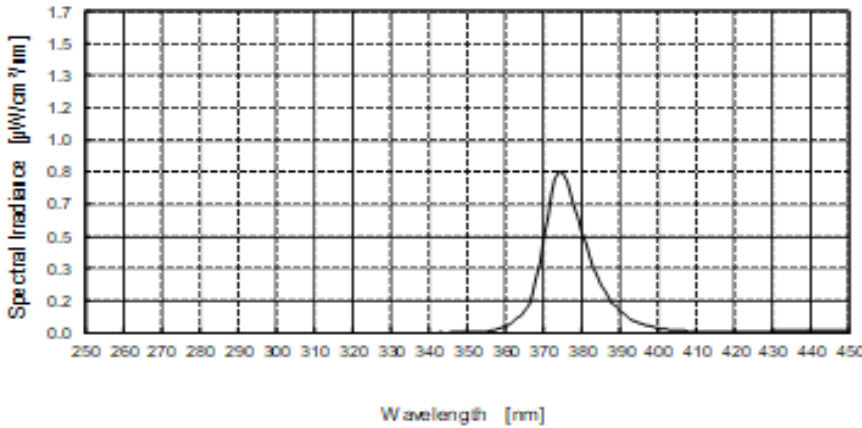
EVALUATION ACCORDING TO EN60335-2-59

LED Helios T5-549mm UVA 370nm Shatter-Resistant

1

0 h

A) Spectral Irradiance vs. Wavelength



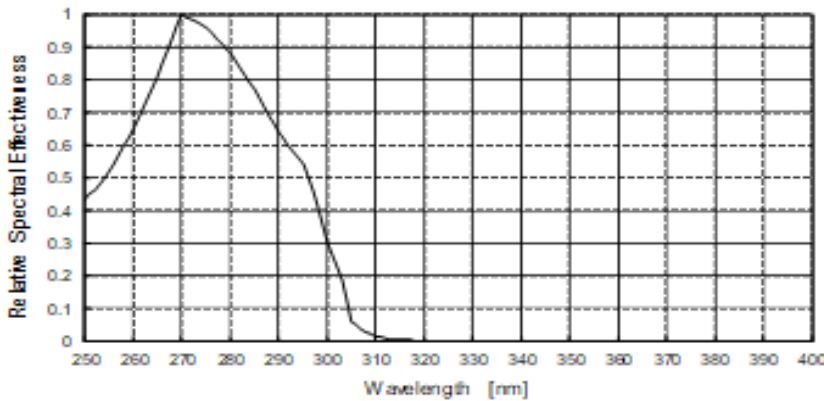
Spectral Irradiance
@ 1m distance

UVA = 12.0 µW/cm²
 UVB = 0.00 µW/cm²
 UVB/UVA = 0.00 %
 Wavelength range acc. to CIE
 UVA : 315 - 400 nm
 UVB : 280 - 315 nm

Lamp parameter:

Voltage 75 V
 Current 0.075 A
 Power 5.6 W

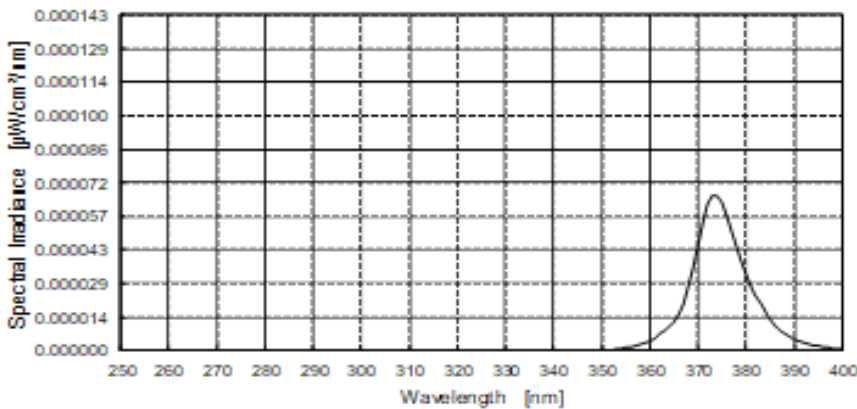
B) UV Action Curve vs. Wavelength
 Proposal of the British Committee to amend EN 60335-2-59 :1997: Insectkillers



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

Total Effective Irradiance @ 1m distance
 Max. 1 mW/m²

C) Total Effective Irradiance vs. Wavelength
 = A) x B)



Total Effective Irradiance @ 1m distance
 0.015 mW/m²

Datensfile: LM283-1-5.dat

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DATA SHEET

Specification No. : 70-TD-7203228/F
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