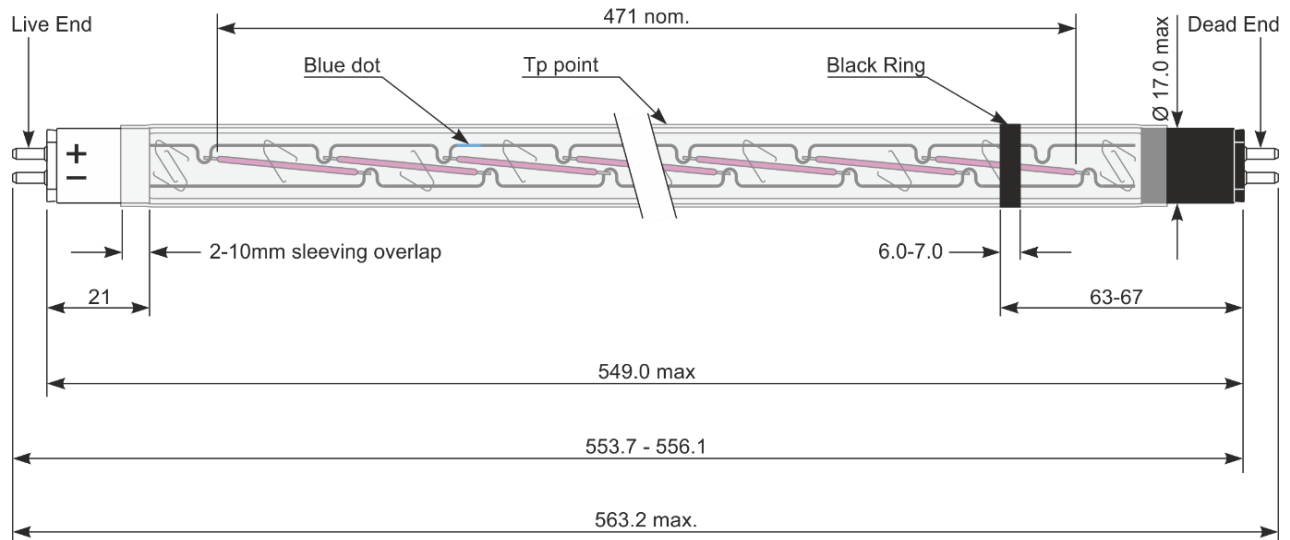



MECHANICAL DATA:

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	UC
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	-
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)	:	0.153 0.027		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 62560, 62031, 62612, 62717, 62471, 62776 (exempt).

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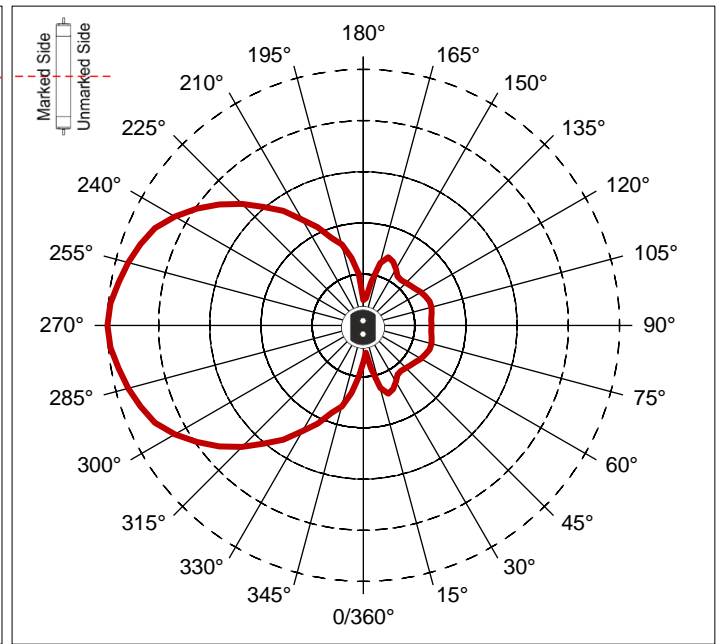
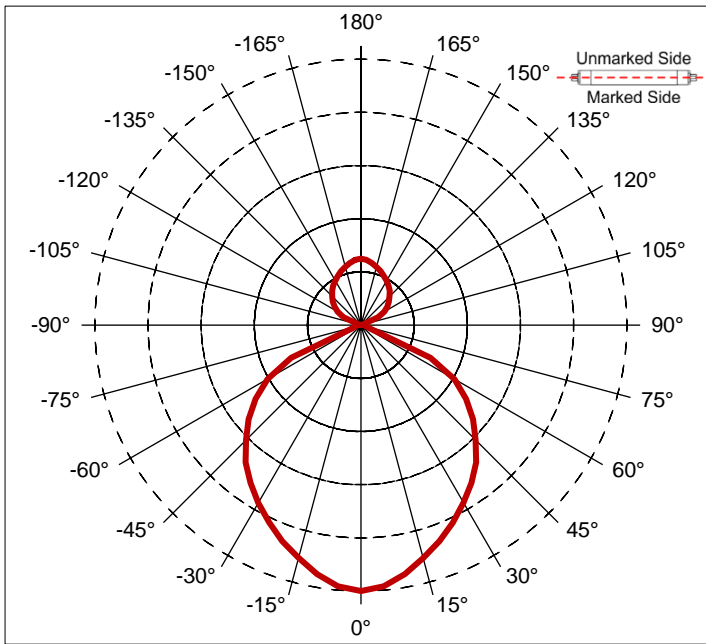
DATA SHEET

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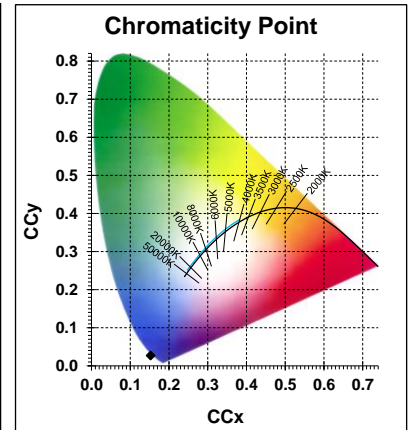
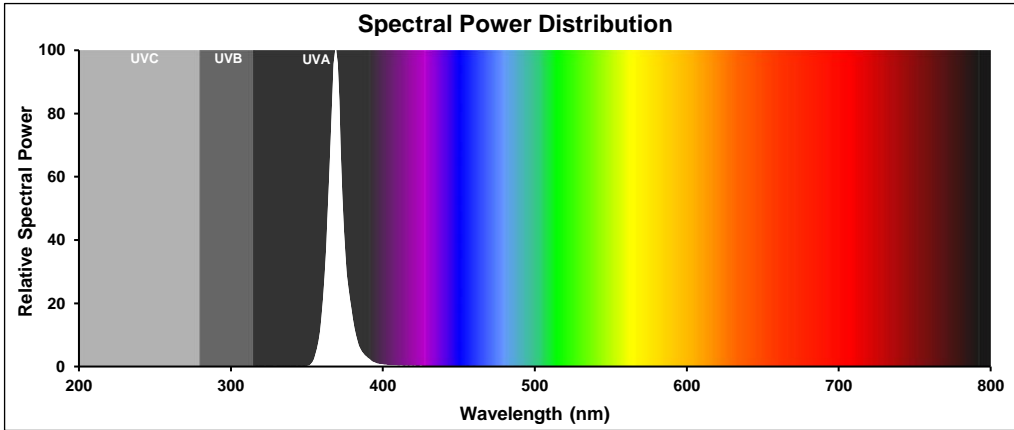
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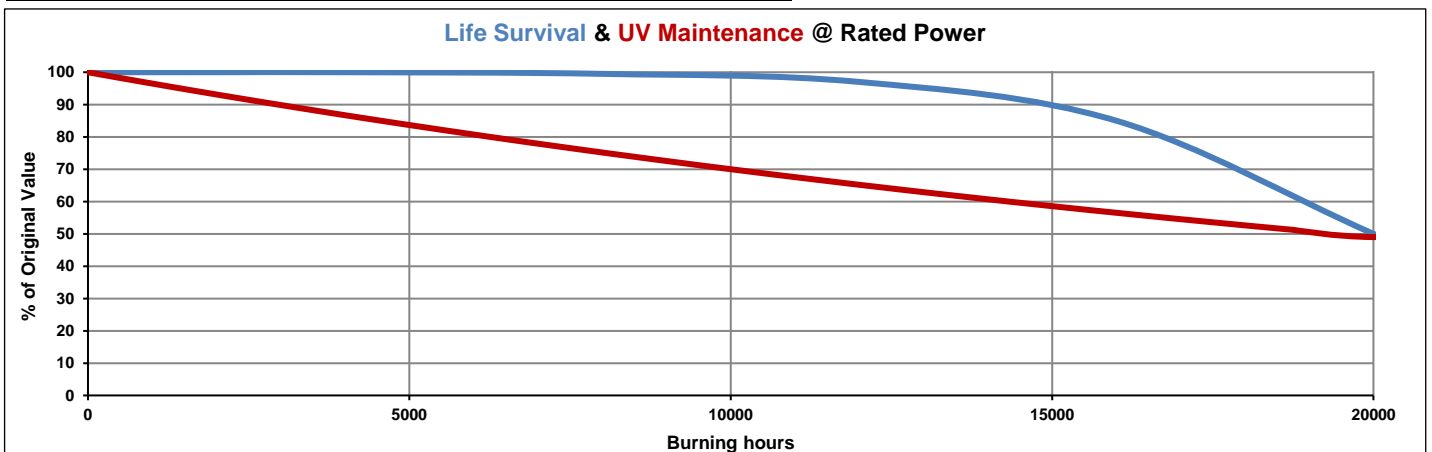
PHOTOMETRIC GRAPHICS:



SPECTRAL GRAPHICS:



PERFORMANCE GRAPHICS: (Under Consideration)



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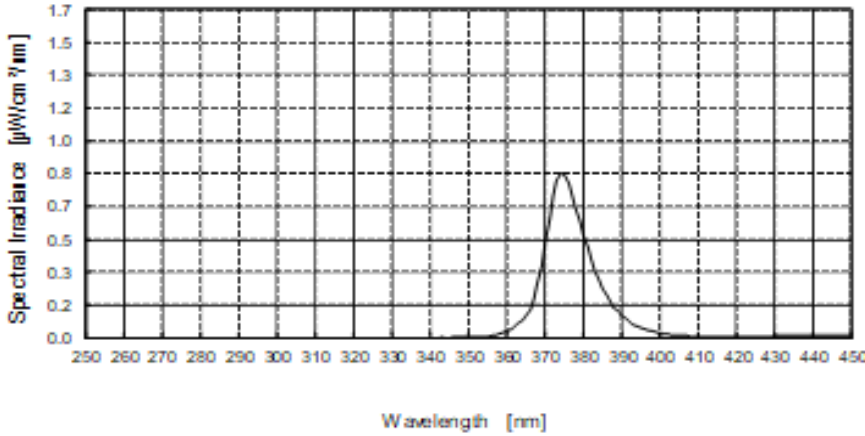
EVALUATION ACCORDING TO EN60335-2-59

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

1

0 h

A) Spectral Irradiance vs. Wavelength

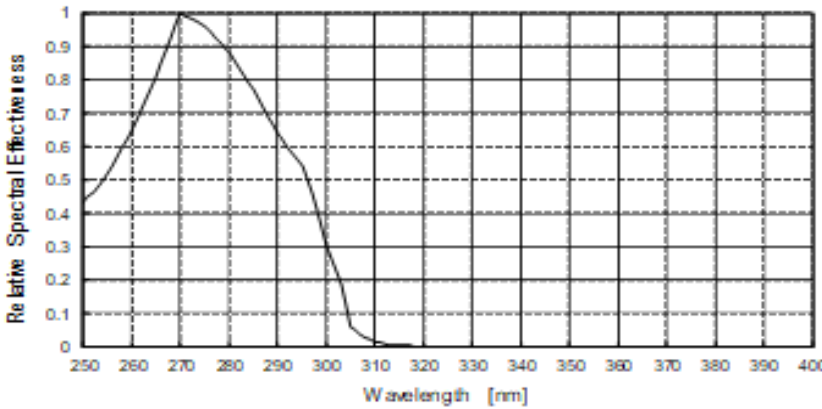


Spectral Irradiance
@ 1m distance

UVA = 12.0 $\mu\text{W}/\text{cm}^2$
 UVB = 0.00 $\mu\text{W}/\text{cm}^2$
 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

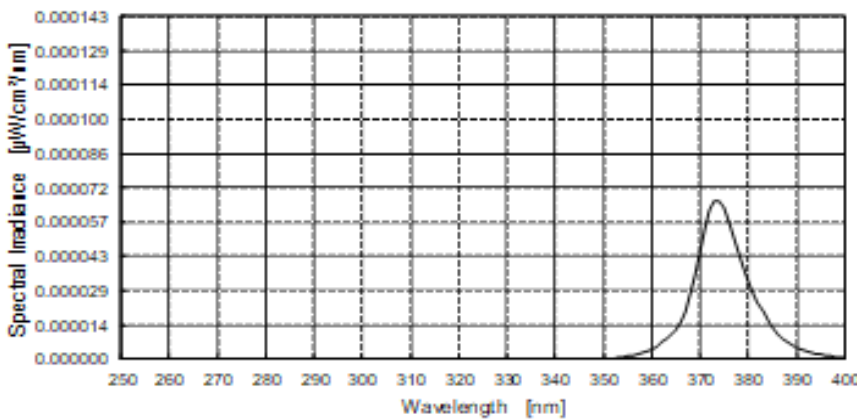
B) UV Action Curve vs. Wavelength
 Proposal of the British Committee to amend EN 60335-2-59 : 1997. Insect killers



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

Total Effective Irradiance @ 1m distance
 Max. 1 mW/m^2

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



Total Effective Irradiance @ 1m distance
 0.009 mW/m^2

Date/ file: LM283-1-5.dat

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