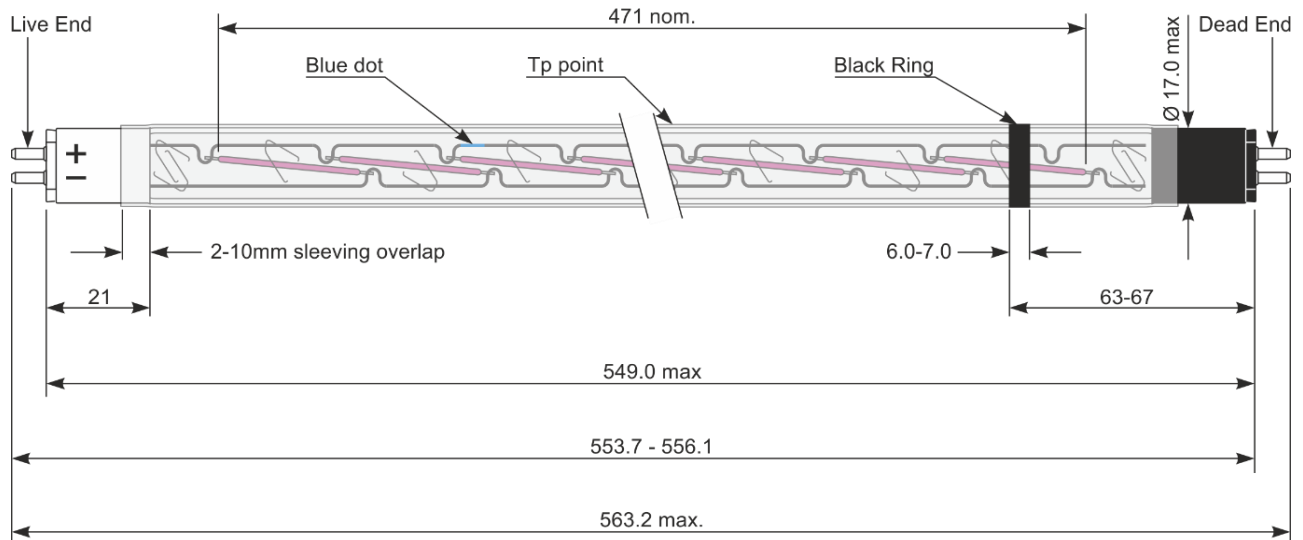



**MECHANICAL DATA:**

**Bulb type :** T5

**Cap type :** G5

**Finish :** Clear + FEP Sleeve 200 µm

**ELECTRICAL DATA:**

		<b>RATED</b>	<b>MIN.</b>	<b>MAX.</b>
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:**

		<b>RATED</b>	<b>MIN.</b>	<b>MAX.</b>
Beam Angle to 50% Peak	(°) :	150	120	180
UV Irradiance @ 1m	(mW/m <sup>2</sup> ) :	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:**

		<b>RATED</b>	<b>MIN.</b>	<b>MAX.</b>
Average Life (L <sub>70F50</sub> )	(h) :	20 000	UC	UC
Switching Cycles	(#) :		100 000	

**OPERATING CONDITIONS:**

		<b>RATED</b>	<b>MIN</b>	<b>MAX</b>
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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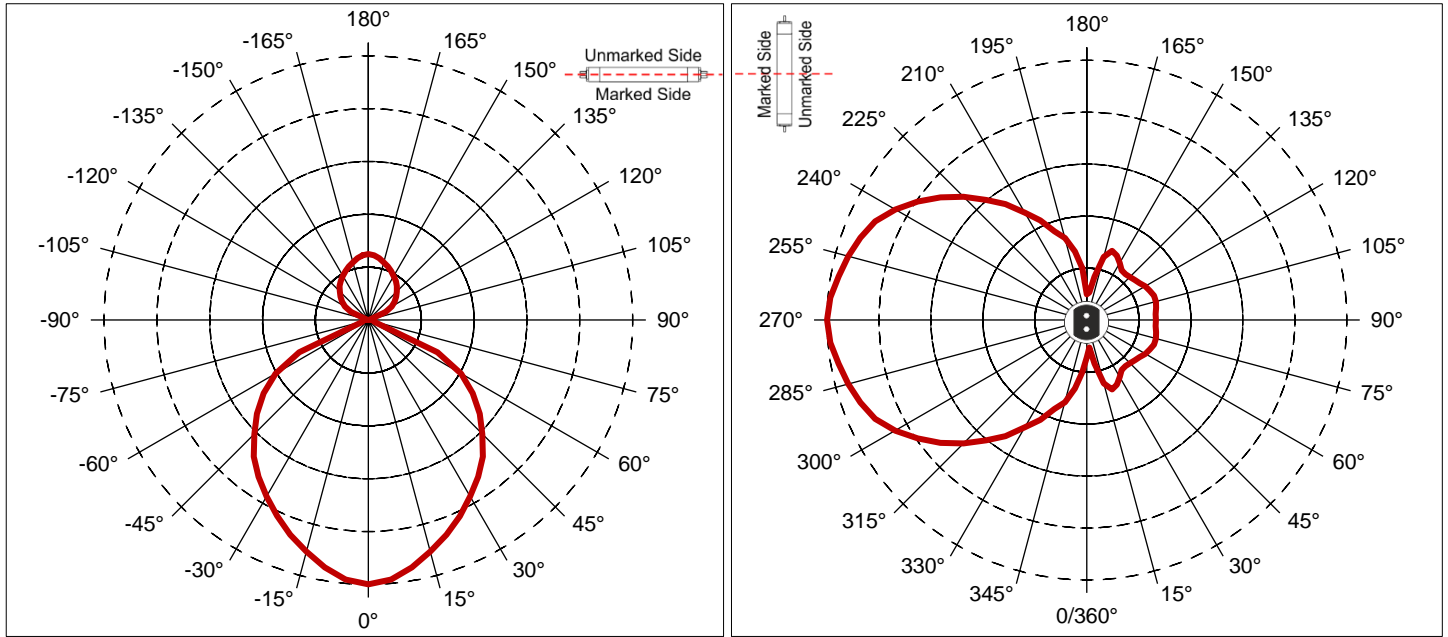
# DATA SHEET

Specification No. : 70-TD-7203228/F

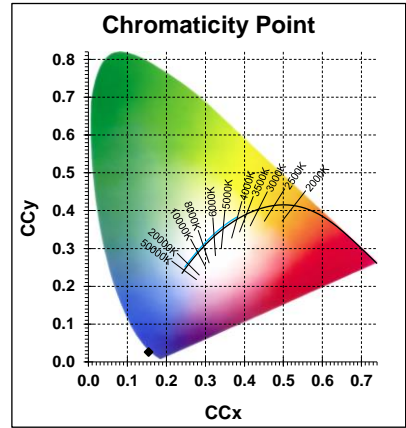
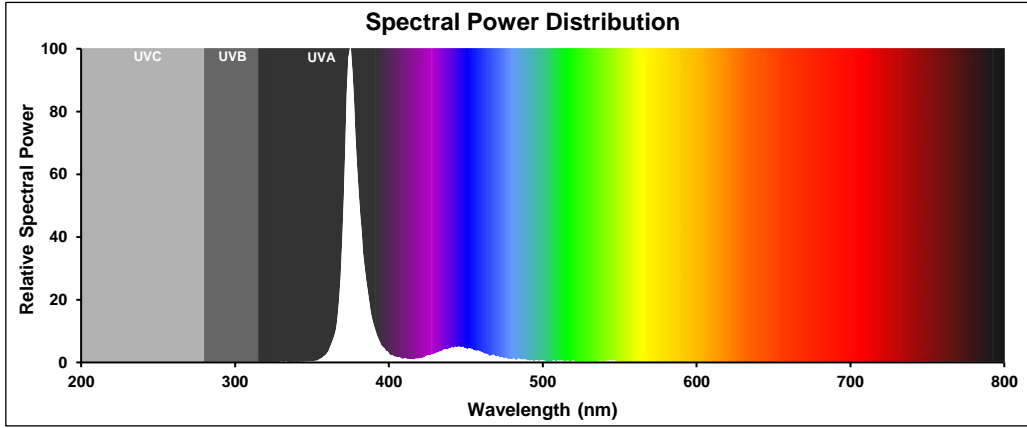
Page : 1 of 3



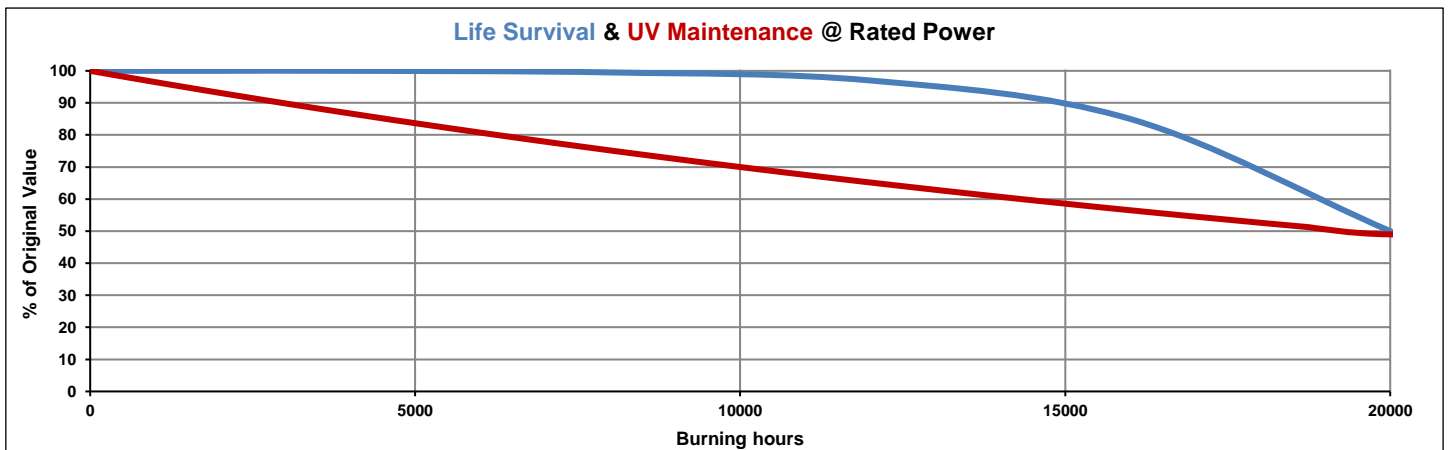
**PHOTOMETRIC GRAPHICS:**



**SPECTRAL GRAPHICS:**



**PERFORMANCE GRAPHICS: (Under Consideration)**



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**DATA SHEET**

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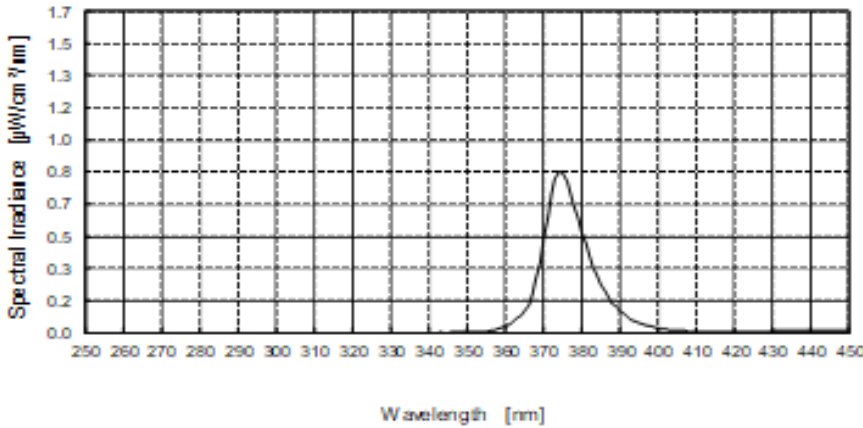
**EVALUATION ACCORDING TO EN60335-2-59**

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

# 1

0 h

**A) Spectral Irradiance vs. Wavelength**



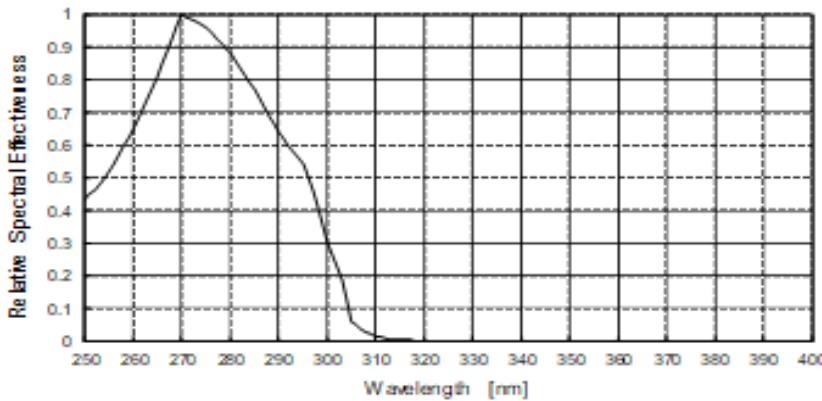
Spectral Irradiance  
@ 1m distance

UVA = 12.0 µW/cm<sup>2</sup>  
 UVB = 0.00 µW/cm<sup>2</sup>  
 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

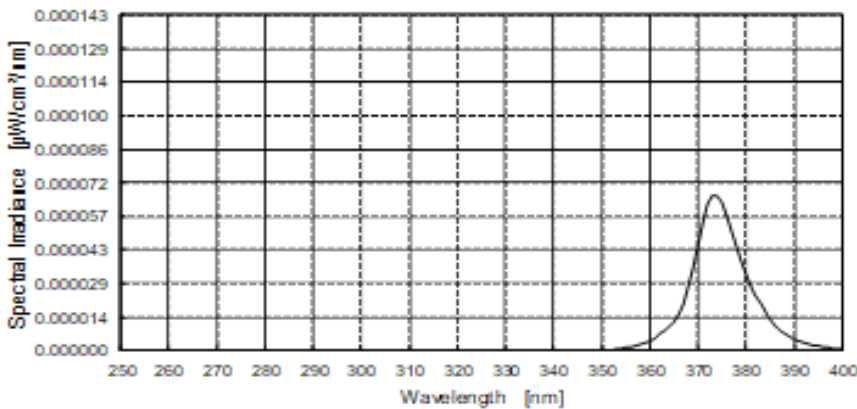
**B) UV Action Curve vs. Wavelength**  
 Proposal of the British Committee to amend EN 60335-2-59 :1997: Insectkillers



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

Total Effective Irradiance @ 1m distance  
 Max. 1 mW/m<sup>2</sup>

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



Total Effective Irradiance @ 1m distance  
 0.015 mW/m<sup>2</sup>

Datensfile: LM283-1-5.dat

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**DATA SHEET**

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