

T8 UNIVERSAL PROTECTOR - 18 W, 36 W, 58 W

Nominal wattage (W)	18		36		58	
Nominal length (mm)	590		1200		1500	
Diameter (mm)	26		26		26	
Weight (g)	120		230		280	
Colour Rendering Index CRI	≥ 80		≥ 80		≥ 80	
Temp. for max. luminous flux (°C)	25		25		25	
Light Colour	830	840	830	840	830	840
Correlated Colour Temp. CCT (K)	3000	4000	3000	4000	3000	4000
Nominal Luminous flux ¹⁾ @ 25 °C (lm)	1250	1250	3250	3250	5000	5000
Lamp efficacy ¹⁾ @ 25 °C (lm/W)	69	69	90	90	86	86
Energy Class	A	A	A	A	A	A
kW/1000 hrs	22,06	22,06	42,26	42,26	67,19	67,19
Protector material	PET plastic film					

Electrical Data	Magn. ²⁾	Rated Wattage (W)	18	36	58
		Lamp voltage (V)	56	102	110
		Lamp current (A)	0.370	0.430	0.670
	Electr. ³⁾	Lamp voltage (V)	55	102	111
		Lamp current (A)	0.290	0.320	0.455

LLMF - Lamp Lumen Mainte. Factor - Mag	2,000 h	0,99
	4,000 h	0,98
	6,000 h	0,97
	8,000 h	0,96
	12,000 h	0,95
	16,000 h	0,93
	20,000 h	0,91
	24,000 h	0,91
	30,000 h	0,9
	2,000 h	1
LSF - Lamp Survival Factor - Mag	4,000 h	1
	6,000 h	1
	8,000 h	1
	12,000 h	0,99
	16,000 h	0,99
	20,000 h	0,99
	24,000 h	0,98
	30,000 h	0,95

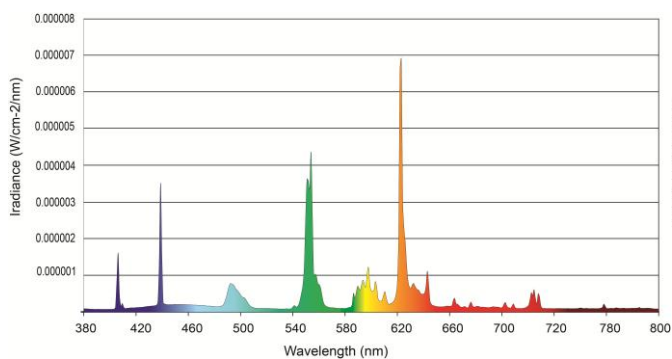
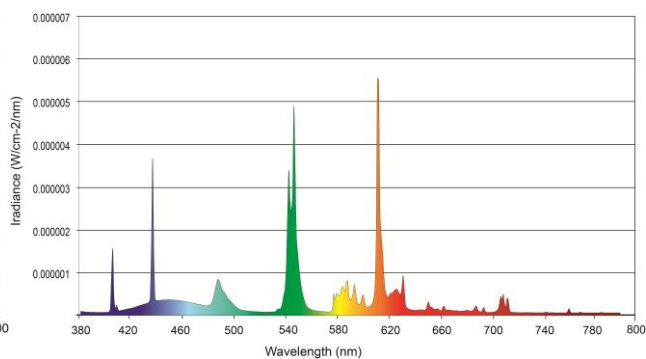
LLMF - Lamp Lumen Mainte. Factor - Elect	2,000 h	0,99
	4,000 h	0,98
	6,000 h	0,97
	8,000 h	0,96
	12,000 h	0,95
	16,000 h	0,94
	20,000 h	0,92
	24,000 h	0,91
	30,000 h	0,9
	2,000 h	1
LSF - Lamp Survival Factor - Elect	4,000 h	1
	6,000 h	1
	8,000 h	1
	12,000 h	1
	16,000 h	1
	20,000 h	1
	24,000 h	1
	30,000 h	0,98

Dimmable	Yes
Cap	G13
Mercury content (mg)	3.5
IEC	60081

Life time *)	Operation	
Switching cycle	Magnetic	Electronic
3 h (2:45 on, 0:15 off)	30,000 h	30,000 h
12 h (11 h on, 1 h off)	30,000 h	30,000 h
1 Switch Continuous Burning	30,000 h	30,000 h

- 1) after 100 h
- 2) Magnetic Ballast
- 3) Electronic Ballast (≥ 20 kHz)

*) The lifetime is limited due to the characteristics of the PET plastic material.

Spectral distribution 830

Spectral distribution 840


Packing data	18 W	36 W	58 W
Box size (mm)	630 x 160 x 185	1240 x 160 x 185	1545 x 160 x 185
Lamps per box (pcs)	30	30	30
Weight per box (kg)	3,8	7,1	8,9