



Datasheet

LED TUBE T8 SEMI-AUTONOMOUS



GENERAL DATA

Input Voltage	100 - 240 VAC	Storage temperature	-20 °C .. +70 °C
Battery Operation	190 - 240 VDC	Operating & storage humidity	10 - 80 % rH
Operating frequency	50 - 60 Hz	Motion sensor technology	Radar (HF)
Power factor	0.92	Motion transmission power	< 1mW
Peak voltage resistance	300 VACrms	Motion sensor frequency	5.80 GHz
Electronic ballast compatible	No	Motion detection range	10m
Form	T8	Adjustable detection range	No
Socket	G13	Communication technology	-
Rotatable Socket	Yes	Communication transmission power	-
Material	Al / PC / PE	Communication frequency	-
Cooling system	Passive / 235 W/(mK)	Communication range	-
Cover	Satin	Active time settings	1s-30min
Colour temperature	3000 - 6000 K	Soft light start	Yes
Colour rendering index	80 - 95	Basic light function	Yes
Colour Consistency (Mac Adam)	3	Basic light settings	0-100% / 10% step
Flicker Metric (Pst LM)	0.03	Daylight control	Yes
Stroboscopic effect metric (SVM)	0.02	Group parameterization	No
UGR (4H/8H; 70/50/20) (per/par)	<27.8/ <25	Swarm intelligence	No
System efficiency *	147 lm/W	Remote Access	No
Energy Class	D		
Number of switching cycles	> 500'000		
Service Life (L70B10)	70'000 h		
IP Protection class	IP20		
Protection class	II		
Risk group LED	RG0		
Operating temperature	-20 °C .. +45 °C		



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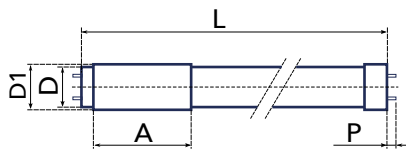
* Power and luminous flux are subject to initial tolerances of +/- 5%. Unless specified otherwise, they are measured as follows: Colour temperature of 4000K, CRI of <80 and Environmental temperature of 25°C.

LENGTH DEPENDENT DATA

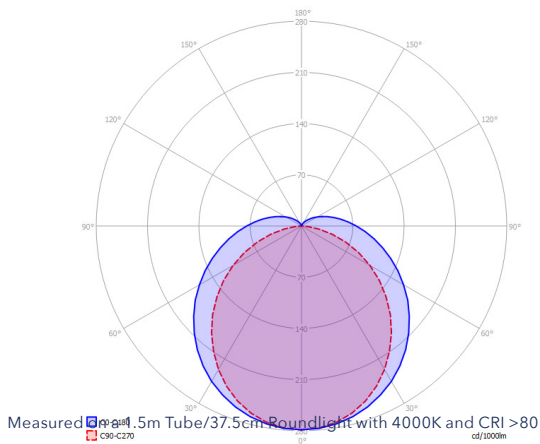
Nominal Length (N)	60 cm	90 cm	120 cm	150 cm
Power *	9.5 W	14 W	18 W	22 W
Useful luminous flux *	1450 lm	2100 lm	2600 lm	3250 lm
Weight	200 g	270 g	330 g	400 g
EPREL ID	1152441	1152442	1152443	1152444
EAN	7640185680708	7640185680739	7640185680784	7640185680838

GRAPHICS

Drawing Information



N	60 cm	90 cm	120 cm	150 cm
L	590 mm	895 mm	1200 mm	1500 mm
D	28 mm	28 mm	28 mm	28 mm
D1	31 mm	31 mm	31 mm	31 mm
A	70 mm	70 mm	70 mm	70 mm
P	7.5 mm	7.5 mm	7.5 mm	7.5 mm



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