



Datasheet

LED TUBE T8 FULLY-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	Yes
Socket	G13	Communication technology	Bluetooth
Rotatable Socket	Yes	Communication transmission power	2.5mW
Material	Al / PC / PE	Communication frequency	2.4 GHz
Cooling system	Passive / 235 W/(mK)	Communication range	max. 8 - 12m
Cover	Satin	Active time settings	1s-4h
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% / 1% step
Flicker Metric (Pst LM)	0.03	Daylight control	Yes
Stroboscopic effect metric (SVM)	0.02	Group parameterization	Yes
UGR (4H/8H; 70/50/20) (per/par)	<27.8/ <25	Swarm intelligence	Yes
System efficiency *	147 lm/W	Remote Access	Yes
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		



SCAN
CODE FOR
PRODUCT
PAGE

* 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.

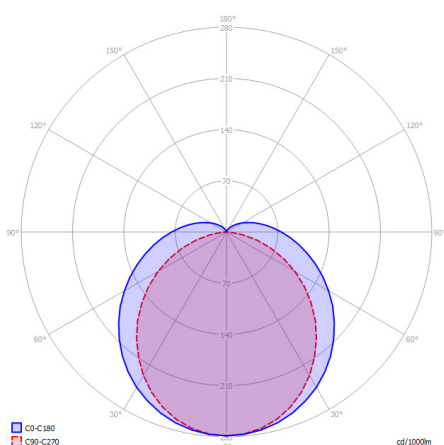
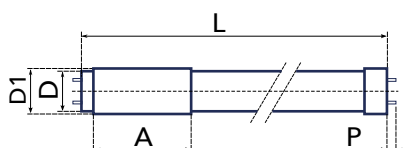
LENGTH DEPENDENT DATA

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
EAN	7640185681927	7640185682375	7640185681729	7640185681262

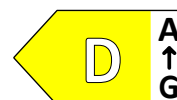
GRAPHICS

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 <td 7.5 mm	7.5 mm	



Measured on a 1.5m Tube/37.5cm Roundlight with 4000K and CRI >80



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