



MAS LEDtube HF 900mm HE 11.5W 830 T5

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescent. These T5 lighting tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime make these T5 LED tubes the choice for every demanding application.

Product data

Operating and Electrical				
Line Frequency	30K to 100K Hz			
Input Frequency	30K to 100K Hz			
Power Consumption	11.5 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	60-100 V			
General Information				
Cap-Base	G5 [G5]			
CE mark	Yes			
EU RoHS compliant	Yes			
Nominal lifetime	60,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
Flux measurement reference	Sphere			

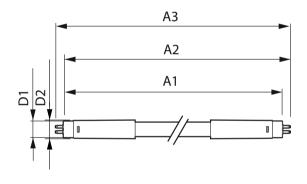
Brand	Philips			
Light Technical				
Color Code	830 [CCT of 3000K]			
Beam Angle (Nom)	200 degree(s)			
Luminous Flux	1,600 lumen			
Color Designation	White (WH)			
Correlated Color Temperature (Nom)	3000 K			
Luminous Efficacy (rated) (Nom)	139 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	80			
LLMF At End Of Nominal Lifetime (Nom) 70 %				
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	55 ℃			

Datasheet, 2023, May 1 data subject to change

Controls and Dimming					
Dimmable	Yes - Check ballast compatibility				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	900 mm				
Bulb Shape	Tube, double-ended				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance TUV CE marking KEMA Keu				
	certificate				
Energy Consumption kWh/1000 h	12 kWh				

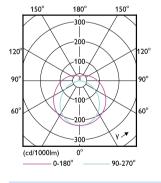
Product Data					
Full product code	872016916319500				
Order product name	MAS LEDtube HF 900mm HE 11.5W 830 T5				
Order code	929003596802				
Local order code	MTHFT51190HE830				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	10				
Material number (12NC)	929003596802				
Net weight	0.115 kg				
Full product name	MAS LEDtube HF 900mm HE 11.5W 830 T5				
EAN/UPC - Case	8720169163201				

Dimensional drawing

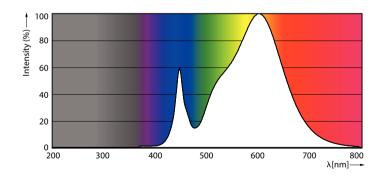


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 900mm HE 11.5W	15.5 mm	16/19 mm	849 mm	856 mm	863 mm
830 T5					

Photometric data

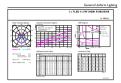






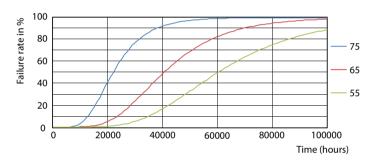
Spectral Power Distribution Colour

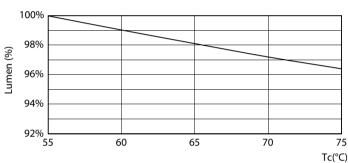
Photometric data



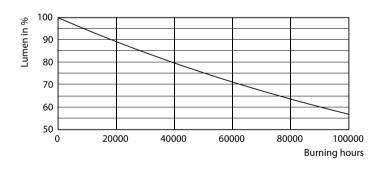
Calculus Photometrics 4.5 Philips Lighting R.V. Fago: 1

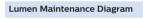
Lifetime

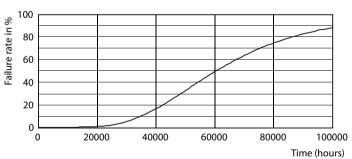




Life Expectancy Diagram



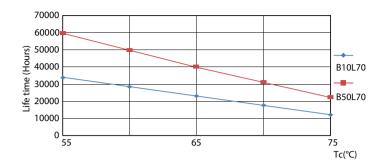




Lumen Maintenance Diagram - MAS LEDtube HF 900mm HE 11.5W 830 T5

Life Expectancy Diagram - MAS LEDtube HF 900mm HE 11.5W 830 T5

Lifetime



Life Expectancy Diagram



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