



# MASTER LEDtube EM/ Mains T8

## MASTER LEDtube PERF1800mm 45W 840C

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 T8 LED 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 ensure this tube masters every demanding application.

#### **Warnings and Safety**

• NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

#### **Product data**

General Information					
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Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	50,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	840 [CCT of 4000K]				
Beam Angle (Nom)	140 degree(s)				
Luminous Flux	4,000 lm				
Correlated Color Temperature (Nom)	4000 K				
Color Consistency	<5				
Color rendering index (CRI)	85				

LLMF At End Of Nominal Lifetime (Nom) 70 %				
Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input Frequency	50 to 60 Hz			
Power Consumption	45 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	Instant full light s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	100-240 V			
Temperature				
Ambient temperature range	-30 °C to 45 °C			

Datasheet, 2023, June 28 data subject to change

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T-Case Maximum (Nom)	85 ℃		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Product Length	1,800 mm		
Approval and Application			
Energy Saving Product	Yes		
Suitable For Accent Lighting	No		
Approval Marks	CE marking RoHS compliance KEMA Keur		
	certificate		
Energy Consumption kWh/1000 h	45 kWh		

Product Data				
Order product name	MASTER LEDtube PERF1800mm 45W 840C			
Full product name	MASTER LEDtube PERF1800mm 45W 840C			
Full product code	871829166100900			
Order code	929000298102			
Material Nr. (12NC)	929000298102			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718291661009			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718291661016			

## Dimensional drawing

Product	D1	D2	A1	A2	А3
MASTER LEDtube	25.68 mm	28 mm	1,763.8 mm	1,770.9 mm	1,778.0 mm
PERF1800mm 45W 840C					

### Photometric data



Spectral Power Distribution Colour - MASTER LEDtube PERF1800mm 45W 840C

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