



MASTER LEDtube EM/ Mains



MASTER LEDtube 1050mm 16W 840 T8

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. This product is the ideal solution for up lighting in general lighting applications.

Warnings and Safety

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Product data

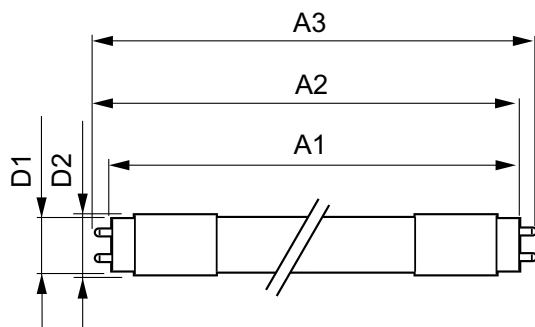
General Information		LLMF at end of nominal lifetime (nom.) 70 %	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]		
EU RoHS compliant	Yes		
Nominal lifetime (nom.)	75000 h		
Switching cycle	200,000X		
	Sphere		
Light Technical		Operating and Electrical	
Colour Code	840 [CCT of 4,000 K]	Input frequency	50 to 60 Hz
Beam Angle (Nom)	160 °	Power (Rated) (Nom)	16 W
Luminous flux (nom.)	2500 lm	Lamp current (max.)	83 mA
Colour designation	Cool White (CW)	Lamp current (min.)	68 mA
Correlated Colour Temperature (Nom)	4000 K	Starting time (nom.)	0.5 s
Luminous efficacy (rated) (nom.)	156.00 lm/W	Warm-up time to 60% light (nom.)	0.5 s
Colour consistency	<6	Power factor (nom.)	0.9
Colour rendering index (nom.)	80	Voltage (Nom)	220-240 V
		Temperature	
		T-ambient (max.)	45 °C
		T-ambient (min.)	-20 °C
		T storage (max.)	65 °C
		T storage (min.)	-40 °C

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T-Case maximum (nom.)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Plastic
Product length	1100 mm
Bulb shape	Tube, double-ended
Approval and Application	
Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	16 kWh
	403599
Product Data	
Full product code	871869961602100
Order product name	MASTER LEDtube 1050mm 16W 840 T8
EAN/UPC – product	8718699616021
Order code	61602100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929001961102
SAP net weight (piece)	0.220 kg

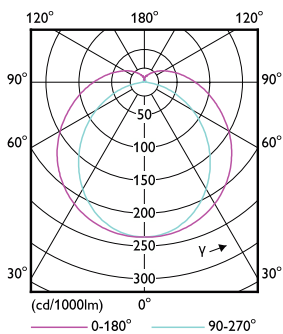
Dimensional drawing



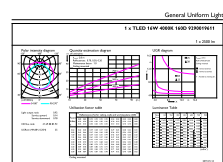
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 1050mm 16W 840 T8	25.8 mm	28 mm	1045.8 mm	1052.9 mm	1060 mm

Photometric data



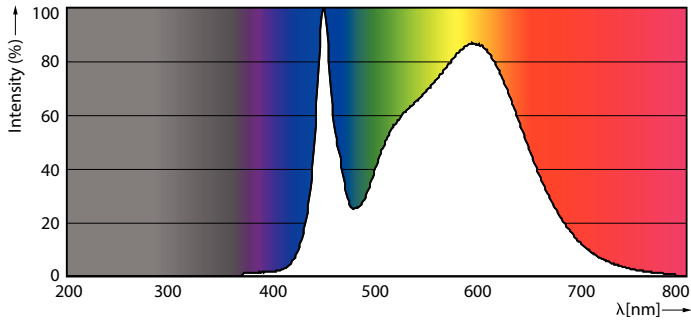
Light Distribution Diagram



General uniform lighting

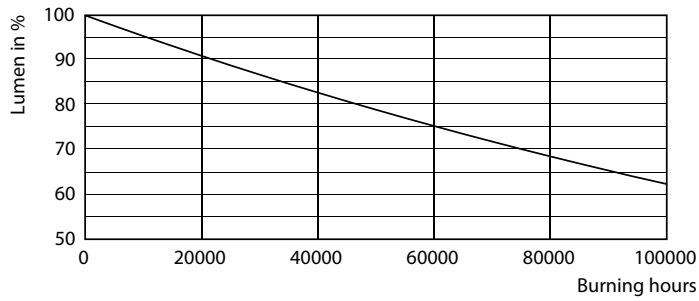
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Photometric data

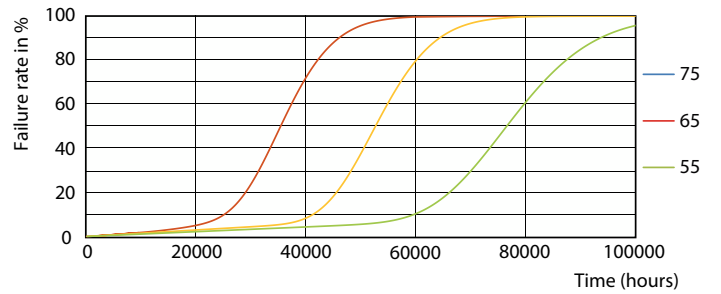


LEDtube 3,5ft G13

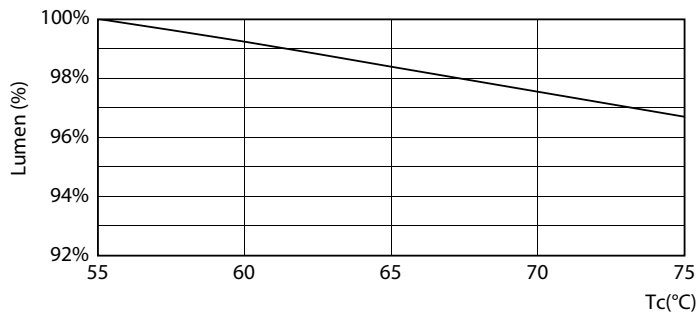
Lifetime



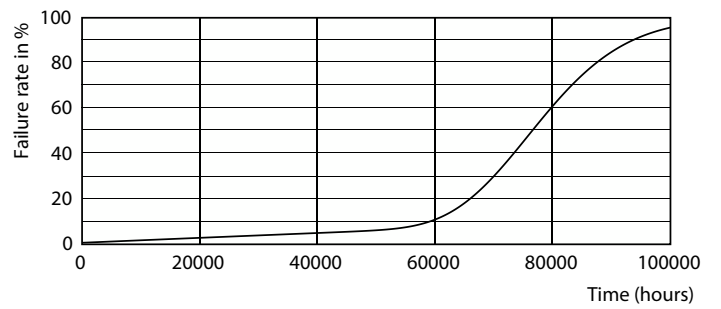
Lumen Maintenance Diagram



FailureRate



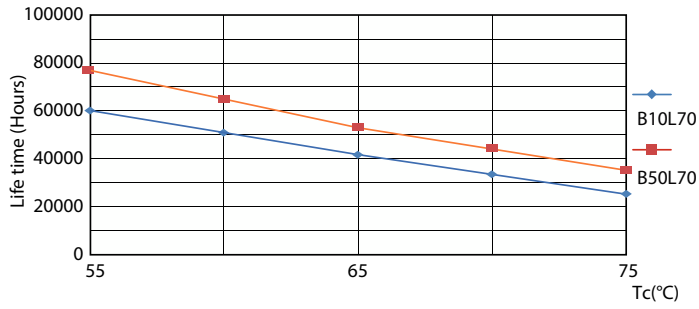
LumenVsTc



Life Expectancy Diagram

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Lifetime



LifetimeVsTc

