PHILIPS

Lighting

PHILIPS

MASTER LEDtube InstantFit HF T8

MAS LEDtube HF 1200mm HO 14W865 T8

Philips MASTER LEDtube InstantFit T8 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. Philips MASTER LEDtube InstantFit T8 is the ideal solution for customers who have higher light requirements and want to maximize value over lifetime. Full energy savings & longer lifetime result in attractive payback times and TCO benefits.

Warnings and Safety

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

Product data

	Luminous Efficacy (rated) (Nom)	150 lm/W
G13 ROT	Color Consistency	<6
75,000 hour(s)	Color rendering index (CRI)	80
50,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
LED	Flickering value (PstLM) - Flickering value as per	0.5
Sphere	EN 61000-3-3	
Yes	Stroboscopic effect visibility measure (SVM)	0.2
Yes	Photobiological safety according to EN 62471	RGO
	Operating and Electrical	
865 [CCT of 6500K]	Line Frequency	20000-75000 Hz
160 degree(s)	Input Frequency	20000-75000 Hz
2,100 lm	Power Consumption	14 W
Cool Daylight	Lamp Current (Max)	750 mA
6500 K	Lamp Current (Min)	300 mA
	75,000 hour(s) 50,000 LED Sphere Yes Yes 865 [CCT of 6500K] 160 degree(s) 2,100 lm Cool Daylight	G13 ROT Color Consistency 75,000 hour(s) Color rendering index (CRI) 50,000 LLMF At End Of Nominal Lifetime (Nom) LED Flickering value (PstLM) - Flickering value as per Sphere EN 61000-3-3 Yes Photobiological safety according to EN 62471 Ves Operating and Electrical 865 [CCT of 6500K] Line Frequency 160 degree(s) Input Frequency 2,100 lm Power Consumption Cool Daylight Lamp Current (Max)

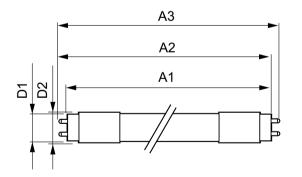
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Starting Time (Nom)	0.5 s	Bulb Material
Warm-up time to 60% light	0.5 s	Product Length
Power Factor (Fraction)	0.9	Bulb Shape
Voltage (Nom)	30-80 V	
LED alternative to fluorescent lamp power	36 W	Approval and Applicatio
Inrush current at mains	-	Energy Efficiency Class
Max. lamp no. on MCB B type 10A - Mains	-	Energy Saving Product
Max. lamp no. on MCB B type 10A – EM ballast	-	Approval Marks
without Comp. Cap.		
Max. lamp no. on MCB B type 10A – EM ballast	-	Energy Consumption kWh/1
with Comp. Cap.		EPREL Registration Number
Max. lamp no. on MCB B type 16A - Mains	-	
Max. lamp no. on MCB B type 16A – EM ballast	-	Product Data
without Comp. Cap.		Order product name
Max. lamp no. on MCB B type 16A – EM ballast	-	
with Comp. Cap.		Full product name
Ballast Compatibility	HF	
		Full product code
Temperature		Order code
Ambient temperature range	-20 °C to 45 °C	Material Nr. (12NC)
T-Case Maximum (Nom)	55 ℃	Numerator - Quantity Per Pa
		EAN/UPC - Product/Case
Controls and Dimming		Numerator - Packs per outer
Dimmable	Yes - Check ballast compatibility	EAN/UPC - Case
Mechanical and Housing		
Bulb Finish	Frosted	

Bulb Material	Plastic	
Product Length	1,200 mm	
Bulb Shape	Т8	
Approval and Application		
Energy Efficiency Class	D	
Energy Saving Product	Yes	
Approval Marks	RoHS compliance TUV CE marking	
	KEMA Keur certificate	
Energy Consumption kWh/1000 h	14 kWh	
EPREL Registration Number	1165510	
Product Data		
Order product name	MAS LEDtube HF 1200mm HO	
	14W865 T8	
Full product name	MAS LEDtube HF 1200mm HO	
	14W865 T8	
Full product code	871951446686900	
Order code	929003553602	
Material Nr. (12NC)	929003553602	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8719514466869	
Numerator - Packs per outer box	20	
EAN/UPC - Case	8719514466876	

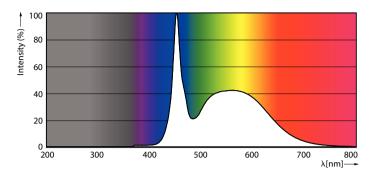
Dimensional drawing



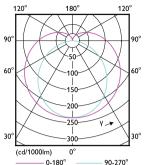
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HO	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14W865 T8					

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Photometric data



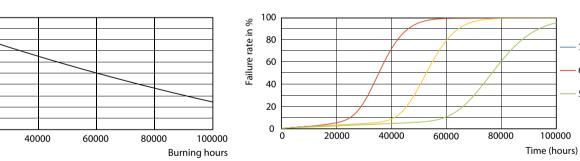
Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HO 14W865 т8



Light Distribution Diagram - MAS LEDtube HF 1200mm HO 14W865 T8

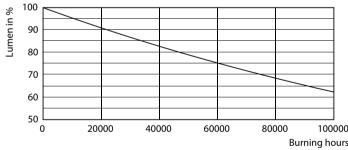
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General uniform lighting - MAS LEDtube HF 1200mm HO 14W865 T8



Life Expectancy Diagram - MAS LEDtube HF 1200mm HO 14W865 T8

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 14W865 T8

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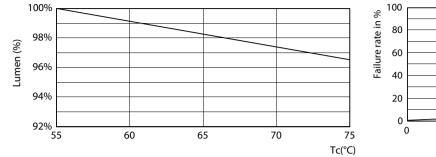
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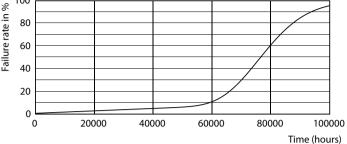
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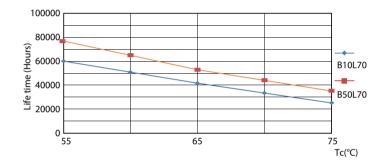
Lifetime





Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 14W865 T8





Life Expectancy Diagram - MAS LEDtube HF 1200mm HO 14W865 T8



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