Lighting

PHILIPS

MASTER Value LEDtube T8

MAS LEDtube VLE 1200mm HO 14W 865 T8

A high-performance LED solution, the professional MASTER Value LED tube is ideal for replacing T8 fluorescent lamps using EM ballast or installing directly on the mains. This product provides an optimal combination of value and performance – for use in all general lighting, office, industry, retail, and hospitality applications. The unique design of this LED T8 tube light offers wide compatibility, safety and fast installation, as well as instant energy savings.

Product data

General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	60,000 hour(s)				
Switching Cycle	200,000				
Lighting Technology	LED				
Flux measurement reference	Sphere				
Light Technical					
Color Code	865 [CCT of 6500K]				
Beam Angle (Nom)	190 degree(s)				
Luminous Flux	2,100 lumen				
Color Designation	Cool Daylight				
Correlated Color Temperature (Nom)	6500 K				
Luminous Efficacy (rated) (Nom)	150 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime (Nom) 70 %					

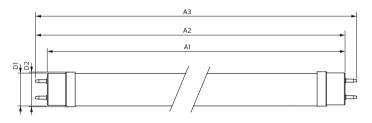
Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input Frequency	50 to 60 Hz			
Power Consumption	14 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	60 °C			
I-Case Maximum (Nom)	60 °C			
	60 °C			
Controls and Dimming	60 °C			
	60 °C			
Controls and Dimming				
Controls and Dimming				
Controls and Dimming Dimmable				
Controls and Dimming Dimmable Mechanical and Housing	No			

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Product Length	1,200 mm				
Bulb Shape	Tube, double-ended				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance TUV CE marking KEMA Keur				
	certificate				
Energy Consumption kWh/1000 h	14 kWh				
EPREL Registration Number	1,095,867				
CE mark	Yes				
EU RoHS compliant	Yes				

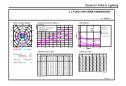
Product Data					
Full product code	871869964689900				
Order product name	MAS LEDtube VLE 1200mm HO 14W 865 T8				
Order code	929002021602				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	10				
Material number (12NC)	929002021602				
Full product name	MAS LEDtube VLE 1200mm HO 14W 865 T8				
EAN/UPC - Case	8718699646905				

Dimensional drawing

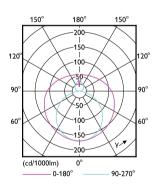


Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1200mm HO	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14W 865 T8					

Photometric data



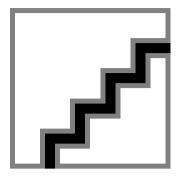
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Light Distribution Diagram - MAS LEDtube VLE 1200mm HO 14W 865 T8

MASTER Value LEDtube T8

Photometric data



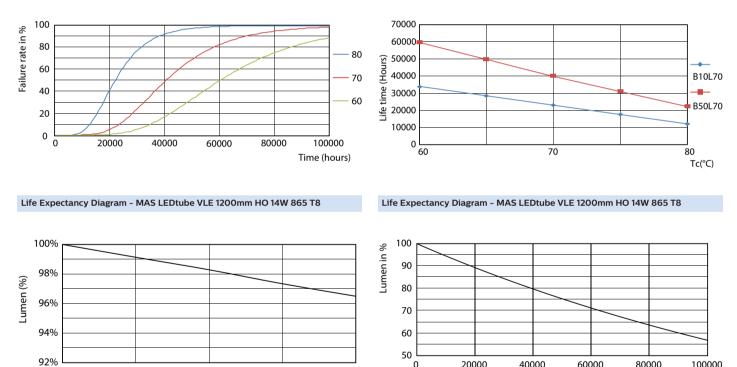
Spectral Power Distribution Colour - MAS LEDtube VLE 1200mm HO 14W 865 T8

70

Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm HO 14W 865 T8

75

Lifetime



Tc(°C)

80

0

20000

Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm HO 14W 865 T8

40000

60000

80000

100000

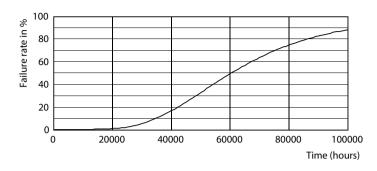
Burning hours

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65

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Life Expectancy Diagram - MAS LEDtube VLE 1200mm HO 14W 865 T8



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