PHILIPS

PHILIPS Lighting

MASTER LEDtube Mains T5

MAS LEDtube 600mm HO 10.5W 865 T5

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! . Perfectly safe, reliable & easy to install Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximize value over lifetime with high energy saving and lower maintenance costs.

Product data

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	1,600 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	152 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Photobiological safety according to EN 62471	RG0	
Operating and Electrical		
Input Frequency	50 to 60 Hz	
Power Consumption	10.5 W	
Lamp Current (Max)	47 mA	
Lamp Current (Min)	47 mA	
Lamp Current (Nom)	47 mA	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.92	
Voltage (Nom)	220-240 V	
Ballast Compatibility	Mains	
LED alternative to fluorescent lamp power	24 W	
Inrush current at mains	7	
Max. lamp no. on MCB B type 10A - Mains	100	
Max. lamp no. on MCB B type 10A - EM ballast	-	
without Compensation Capacitor.		

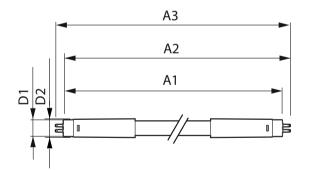


MASTER LEDtube Mains T5

Max. lamp no. on MCB B type 10A - EM ballast	-	4
with Compensation Capacitor.		E
Max. lamp no. on MCB B type 16A - Mains	159	E
Max. lamp no. on MCB B type 16A - EM ballast	-	0
without Compensation Capacitor.		E
Max. lamp no. on MCB B type 16A - EM ballast	-	
with Compensation Capacitor.		E
		5
Temperature		4
T-Case Maximum (Nom)	60 °C	
		1
Controls and Dimming		
Dimmable	No	
		F
Mechanical and Housing		
Bulb Finish	Frosted	F
Bulb Material	Glass	
Product Length	600 mm	1
Bulb Shape	T5	1
Net Weight (Piece)	0.080 kg	E
		1
Approval and Application		6
Energy Efficiency Class	D	
Energy Saving Product	Yes	

Approval Marks	RoHS compliance	
Energy Consumption kWh/1000 h	11 kWh	
EPREL Registration Number	1590873	
CE mark	Yes	
EU RoHS compliant	Yes	
Flickering value (PstLM) - Flickering value as per	1	
EN 61000-3-3		
Stroboscopic effect visibility measure (SVM)	0.4	
Ambient temperature range	-20 to +45 °C	
Product Data		
Order product name	MAS LEDtube 600mm HO 10.5W	
	865 T5	
Full product name	MAS LEDtube 600mm HO 10.5W	
	865 T5	
Full product code	872016927523200	
Order code	929003734502	
Material Nr. (12NC)	929003734502	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8720169275232	
Numerator - Packs per outer box	10	
EAN/UPC - Case	8720169275249	

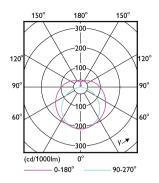
Dimensional drawing

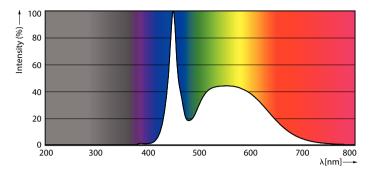


Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HO 10.5W 865 T5		19 mm	549 mm	556.1 mm	563.2 mm

MASTER LEDtube Mains T5

Photometric data





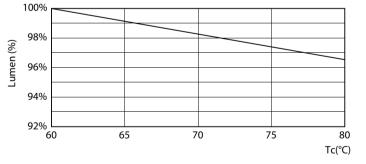
Light Distribution Diagram - MAS LEDtube 600mm HO 10.5W 865 T5

Spectral Power Distribution Colour - MAS LEDtube 600mm HO 10.5W 865 T5

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		1 a 1800 in
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General uniform lighting - MAS LEDtube 600mm HO 10.5W 865 T5

Lifetime



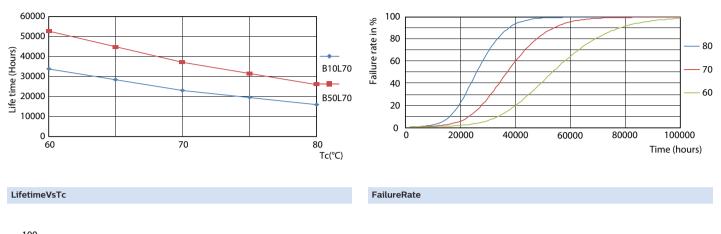
Lumen Maintenance Diagram - MAS LEDtube 600mm HO 10.5W 865 T5

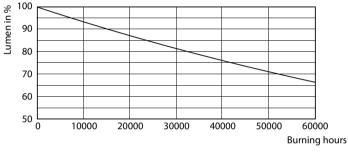
% 100 80 60 40 20 0 20000 40000 60000 80000 100000 Time (hours)

Life Expectancy Diagram

MASTER LEDtube Mains T5

Lifetime





Lumen Maintenance Diagram - MAS LEDtube 600mm HO 10.5W 865 T5



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