



Essential LEDtube - Affordable LED solution

Essential LEDtube

Essential LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Benefits

- Reduced electricity costs thanks to significant energy savings
- Longer lifetime minimizes re-lamping for reduced maintenance costs
- A better choice for the environment – no mercury

Features

- Affordable LED replacement for T8 fluorescent lamps
- Energy consumption less than half that of normal fluorescent lamps
- 25,000 hours lifetime, double that of normal fluorescent lamps
- No mercury; glass-free tube – no breakage concerns

Application

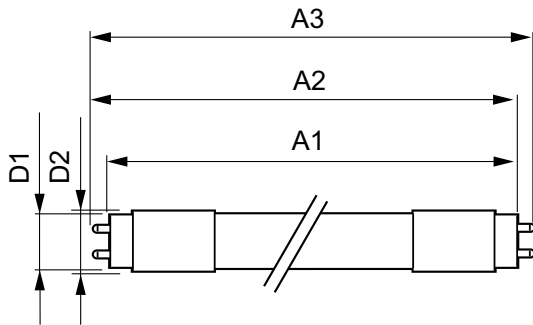
- Retail, offices
- Industry, warehouses, public places, schools, hospitals, car parks

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Versions



Dimensional drawing

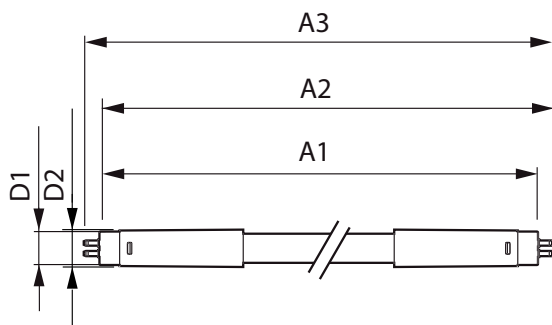


A3

Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1500mm 25W 840 I	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm

Product	D1	D2	A1	A2	A3
CorePro LEDtube	25.7	28	1198	1205	1212 mm
HO 1200mm 18W865T8 AP	mm	mm	mm	mm	
LEDtube 1200mm	25.68	28	1198	1205	1212 mm
16W 765 T8 AP I G	mm	mm	mm	mm	mm
LEDtube 600mm	25.68	28	588.5	595.5	602.5
8W 740 T8 AP I G	mm	mm	mm	mm	mm
LEDtube 1200mm	25.68	28	1198	1205	1212 mm
16W 740 T8 AP I G	mm	mm	mm	mm	mm
LEDtube 600mm	25.68	28	588.5	595.5	602.5
8W 765 T8 AP I G	mm	mm	mm	mm	mm

Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm 8W865 G5 I APR	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
CorePro LEDtube 1200mm 16W865 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm



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Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s

Light Technical

Llmf At End Of Nominal Lifetime (Nom)	70 %
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Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	16 kWh	A+
59998300	LEDtube 1200mm 16W 765 T8 AP I G	16 kWh	A+
64603800	LEDtube 600mm 8W 740 T8 AP I G	8 kWh	A+
64605200	LEDtube 600mm 8W 765 T8 AP I G	8 kWh	A+
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	25 kWh	A+
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	8 kWh	A++
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	16 kWh	A++
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	18 kWh	A+

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	220-240 V	16 W
59998300	LEDtube 1200mm 16W 765 T8 AP I G	220-240 V	16 W
64603800	LEDtube 600mm 8W 740 T8 AP I G	220-240 V	8 W
64605200	LEDtube 600mm 8W 765 T8 AP I G	220-240 V	8 W
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	220-240 V	25 W
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	100-240 V	8 W

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	100-240 V	16 W
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	220-240 V	18 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
59996900	LEDtube 1200mm 16W 740 T8 AP I G	G13	15000 h	50000X
59998300	LEDtube 1200mm 16W 765 T8 AP I G	G13	15000 h	50000X
64603800	LEDtube 600mm 8W 740 T8 AP I G	G13	15000 h	50000X
64605200	LEDtube 600mm 8W 765 T8 AP I G	G13	15000 h	50000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	G13	30000 h	50000X
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	G5	30000 h	50000X
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	G5	30000 h	50000X
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	G13	30000 h	200000X

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	740	4000 K	73	1600 lm
59998300	LEDtube 1200mm 16W 765 T8 AP I G	765	6500 K	73	1600 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)
64603800	LEDtube 600mm 8W 740 T8 AP I G	740	4000 K	73	800 lm
64605200	LEDtube 600mm 8W 765 T8 AP I G	765	6500 K	73	800 lm

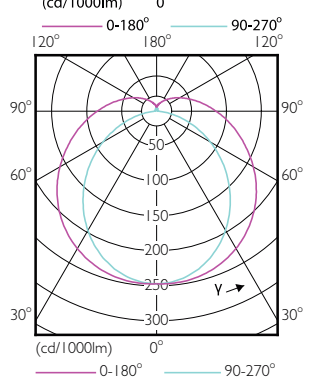
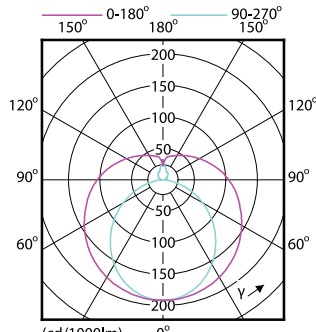
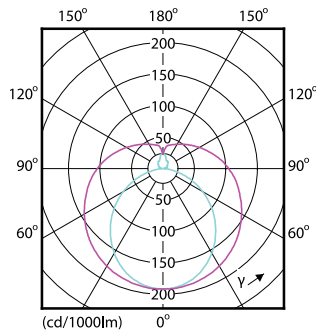
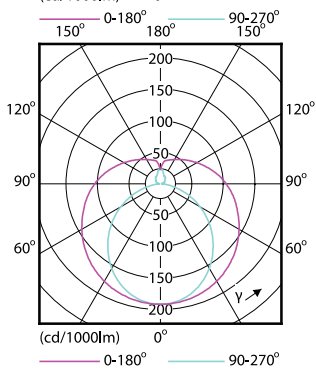
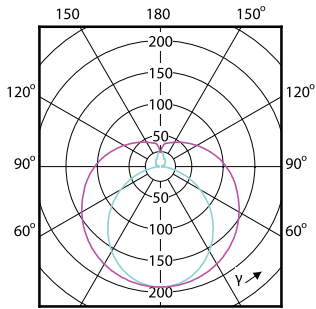
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Order Code	Full Product Name	Colour Code	Correlated	Colour	Luminous Flux (Nom)
			Temperature (Nom)	Rendering Index (Nom)	
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	840	4000 K	80	3000 lm
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	865	6500 K	80	1050 lm

Order Code	Full Product Name	Colour Code	Correlated	Colour	Luminous Flux (Nom)
			Temperature (Nom)	Rendering Index (Nom)	
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	865	6500 K	80	2100 lm
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	865	6500 K	80	2100 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	60 °C
59998300	LEDtube 1200mm 16W 765 T8 AP I G	60 °C
64603800	LEDtube 600mm 8W 740 T8 AP I G	60 °C
64605200	LEDtube 600mm 8W 765 T8 AP I G	60 °C
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	85 °C
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	70 °C
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	70 °C
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	65 °C



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