



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

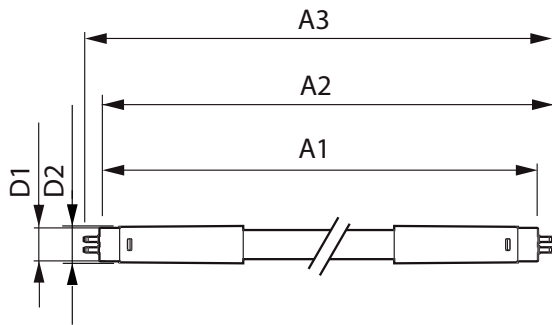
- Retail, offices
- Industry, warehouses, public places, schools, hospitals, car parks

Essential LEDtube

Versions



Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W865 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
CorePro LEDtube 1200mm 16W830 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
CorePro LEDtube 1200mm 16W840 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
CorePro LEDtube 600mm 8W865 G5 I APR	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
CorePro LEDtube 600mm 8W830 G5 I APR	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
CorePro LEDtube 600mm 8W840 G5 I APR	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm

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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Mechanical and Housing

Bulb Shape	Tube, double-ended
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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
59996900	LEDtube 1200mm 16W 740 T8 AP I G	16 kWh
59998300	LEDtube 1200mm 16W 765 T8 AP I G	16 kWh
64603800	LEDtube 600mm 8W 740 T8 AP I G	8 kWh
64605200	LEDtube 600mm 8W 765 T8 AP I G	8 kWh
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	8 kWh
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	8 kWh
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	8 kWh
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	16 kWh
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	16 kWh
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	16 kWh
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	18 kWh

Operating and Electrical

Essential LEDtube

Order Code	Full Product Name	Voltage (Nom)	Power (Rated)	
			(Nom)	(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	
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	100-240 V	8 W	
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	100-240 V	8 W	
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	100-240 V	8 W	

Order Code	Full Product Name	Voltage (Nom)	Power (Rated)	
			(Nom)	(Nom)
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	100-240 V	16 W	
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	100-240 V	16 W	
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	50,000X	
59998300	LEDtube 1200mm 16W 765 T8 AP I G	G13	15000 h	50,000X	
64603800	LEDtube 600mm 8W 740 T8 AP I G	G13	15000 h	50,000X	
64605200	LEDtube 600mm 8W 765 T8 AP I G	G13	15000 h	50,000X	
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	G5	30000 h	50,000X	
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	G5	30000 h	50,000X	

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle	
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	G5	30000 h	50,000X	
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	G5	30000 h	50,000X	
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	G5	30000 h	50,000X	
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	G5	30000 h	50,000X	
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	G13	30000 h	200,000X	

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
				(Nom)	(Nom)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	240 °	740	4000 K	73
59998300	LEDtube 1200mm 16W 765 T8 AP I G	240 °	765	6500 K	73
64603800	LEDtube 600mm 8W 740 T8 AP I G	240 °	740	4000 K	73
64605200	LEDtube 600mm 8W 765 T8 AP I G	240 °	765	6500 K	73
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	200 °	830	3000 K	80
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	200 °	841	4000 K	80
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	200 °	865	6500 K	80

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
				(Nom)	(Nom)
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	200 °	830	3000 K	80
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	200 °	841	4000 K	80
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	200 °	865	6500 K	80
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	240 °	865	6500 K	80

Essential LEDtube

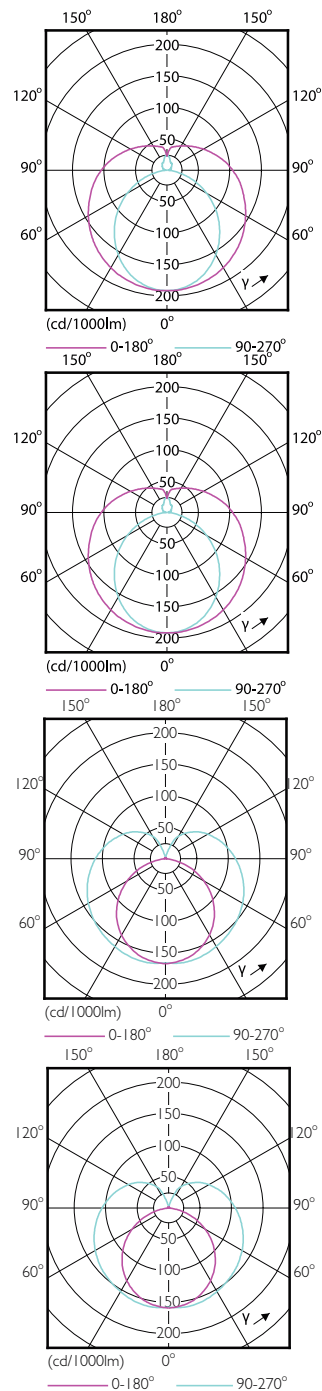
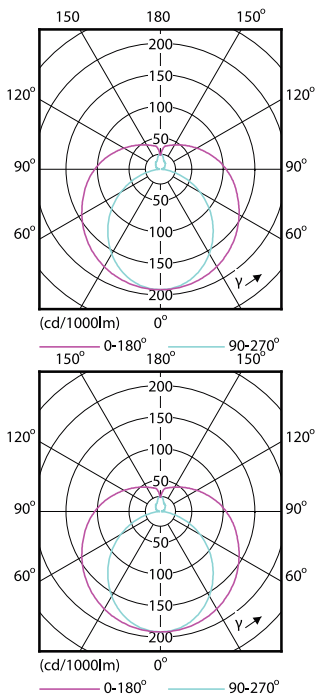
Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	1600 lm
59998300	LEDtube 1200mm 16W 765 T8 AP I G	1600 lm
64603800	LEDtube 600mm 8W 740 T8 AP I G	800 lm
64605200	LEDtube 600mm 8W 765 T8 AP I G	800 lm
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	1000 lm
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	1050 lm

Order Code	Full Product Name	Luminous Flux (Nom)
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	1050 lm
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	2000 lm
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	2100 lm
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	2100 lm
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	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
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	70 °C
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	70 °C
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	70 °C
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	70 °C
73204500	CorePro LEDtube 1200mm 16W840 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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