



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

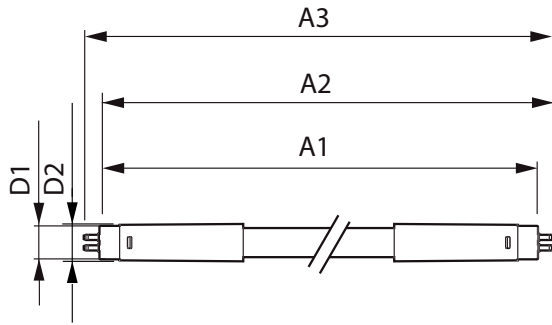
- Retail, offices
- Industry, warehouses, public places, schools, hospitals, car parks

Essential LEDtube

Versions



Dimensional drawing



A3

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

Product	D1	D2	A1	A2	A3	C	D
LEDtube 600mm 8W 765 T8 AP I G	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm	602.5 mm	27.8 mm
LEDtube 1200mm 16W 740 T8 AP I G	25.68 mm	28 mm	1198 mm	1205 mm	1212 mm	1212 mm	27.8 mm
LEDtube 600mm 8W 740 T8 AP I G	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm	602.5 mm	27.8 mm
LEDtube 1200mm 16W 765 T8 AP I G	25.68 mm	28 mm	1198 mm	1205 mm	1212 mm	1212 mm	27.8 mm
LEDtube HO 600mm 10W 765 T8 AP I G	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm		
LEDtube HO 1200mm 20W 765 T8 AP I G	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm		
LEDtube HO 600mm 10W 740 T8 AP I G	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm		
LEDtube HO 1200mm 20W 740 T8 AP I G	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm		
CorePro LEDtube HO 1200mm 18W865T8 AP	25.7 mm	28 mm	1198 mm	1205 mm	1212 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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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	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+
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	20 kWh	A+
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	20 kWh	A+
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	10 kWh	A+
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	10 kWh	A+
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	8 kWh	A++
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	8 kWh	A++
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	8 kWh	A++
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	16 kWh	A++
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	16 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
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	220-240 V	20 W
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	220-240 V	20 W
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	220-240 V	10 W
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	220-240 V	10 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

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

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	G13	15000 h	50,000X
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	G13	15000 h	50,000X
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	G13	15000 h	50,000X
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	G13	15000 h	50,000X

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Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
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
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

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
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)
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
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	240 °	740	4000 K	70
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	240 °	765	6500 K	70
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	240 °	740	4000 K	70
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	240 °	765	6500 K	70
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	200 °	830	3000 K	80

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
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
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

Light Technical (2/2)

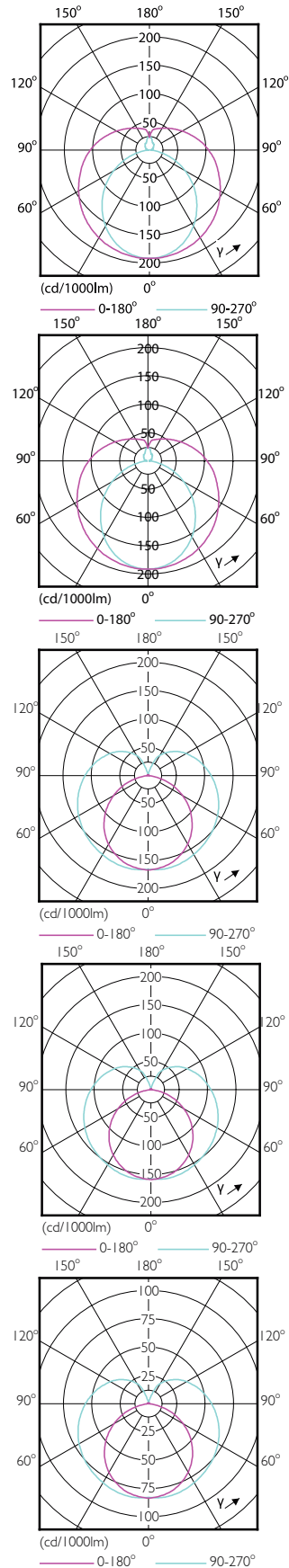
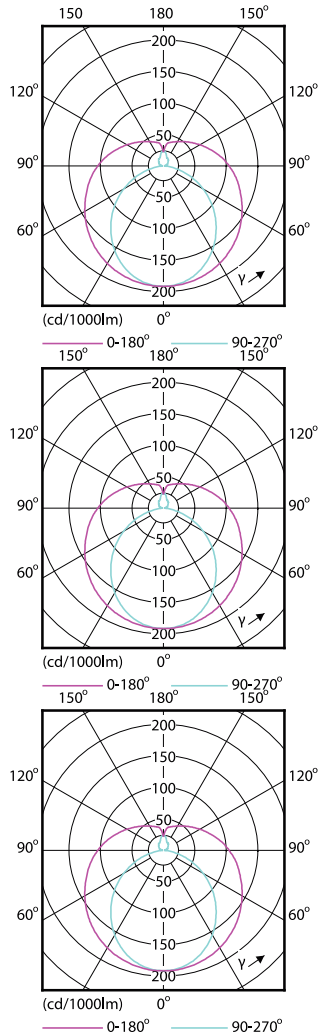
Order Code	Full Product Name	Luminous Flux (Nom)
59996900	LEDtube 1200mm 16W 740 T8 AP I G	1600 lm
59998300	LEDtube 1200mm 16W 765 T8 AP I G	1600 lm
64603800	LEDtube 600mm 8W 740 T8 AP I G	800 lm
64605200	LEDtube 600mm 8W 765 T8 AP I G	800 lm
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	2100 lm
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	2100 lm
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	1050 lm
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	1050 lm

Order Code	Full Product Name	Luminous Flux (Nom)
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	1000 lm
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	1050 lm
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

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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
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	65 °C
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	65 °C
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	65 °C
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	65 °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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