



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

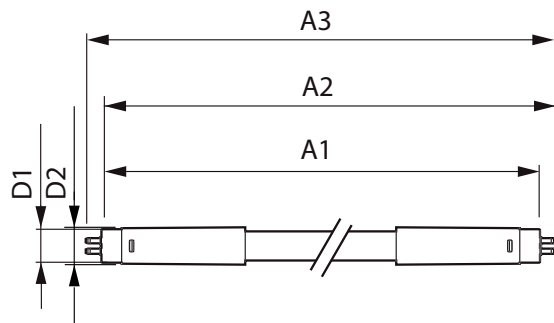
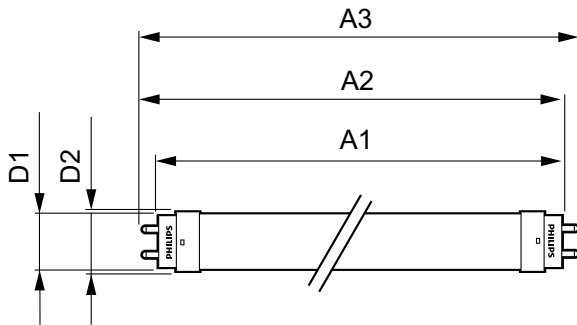
- Retail, offices
- Industry, warehouses, public places, schools, hospitals, car parks

Essential LEDtube

Versions



Dimensional drawing

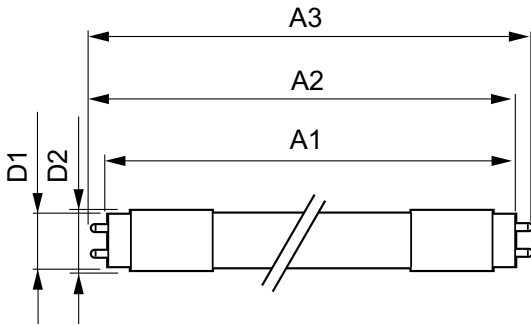


Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube	25.7	28	1198	1205	1212 mm
HO 1200mm	mm	mm	mm	mm	
18W865T8 AP					
LEDtube 1200mm	25.68	28	1198	1205	1212 mm
16W 765 T8 AP I G	mm	mm	mm	mm	mm
LEDtube 600mm 8W	25.68	28	588.5	595.5	602.5
740 T8 AP I G	mm	mm	mm	mm	mm
LEDtube 1200mm	25.68	28	1198	1205	1212 mm
16W 740 T8 AP I G	mm	mm	mm	mm	mm
LEDtube 600mm 8W	25.68	28	588.5	595.5	602.5
765 T8 AP I G	mm	mm	mm	mm	mm
LEDtube HO 1200mm	25.7	28	1198	1205	1212 mm
20W 740 T8 AP I G	mm	mm	mm	mm	
LEDtube HO 600mm	25.7	28	588.5	595.5	602.5
10W 740 T8 AP I G	mm	mm	mm	mm	mm
LEDtube HO 1200mm	25.7	28	1198	1205	1212 mm
20W 765 T8 AP I G	mm	mm	mm	mm	
LEDtube HO 600mm	25.7	28	588.5	595.5	602.5
10W 765 T8 AP I G	mm	mm	mm	mm	mm

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

Essential LEDtube

Dimensional drawing



Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1500mm 25W 830 I	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
ESSENTIAL LEDtube 1500mm 25W 840 I	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 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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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+
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	25 kWh	A+
68206700	ESSENTIAL LEDtube 1500mm 25W 830 I	25 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
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	220-240 V	25 W
68206700	ESSENTIAL LEDtube 1500mm 25W 830 I	220-240 V	25 W
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	100-240 V	8 W

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
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
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

Essential LEDtube

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
59996900	LEDtube 1200mm 16W 740 T8 AP I G	G13	15000 h	15000 h	50000X
59998300	LEDtube 1200mm 16W 765 T8 AP I G	G13	15000 h	15000 h	50000X
64603800	LEDtube 600mm 8W 740 T8 AP I G	G13	15000 h	15000 h	50000X
64605200	LEDtube 600mm 8W 765 T8 AP I G	G13	15000 h	15000 h	50000X
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	G13	15000 h	15000 h	50000X
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	G13	15000 h	15000 h	50000X
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	G13	15000 h	15000 h	50000X
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	G13	15000 h	15000 h	50000X
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	G13	30000 h	30000 h	50000X
68206700	ESSENTIAL LEDtube 1500mm 25W 830 I	G13	30000 h	30000 h	50000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	G5	30000 h	30000 h	50000X
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	G5	30000 h	30000 h	50000X
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	G5	30000 h	30000 h	50000X
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	G5	30000 h	30000 h	50000X
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	G5	30000 h	30000 h	50000X
73206900	CorePro LEDtube 1200mm 16W865 G5 I APR	G5	30000 h	30000 h	50000X
73404900	CorePro LEDtube HO 1200mm 18W865T8 AP	G13	30000 h	30000 h	200000X

Light Technical (1/2)

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
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
67434500	LEDtube HO 1200mm 20W 740 T8 AP I G	740	4000 K	70	2100 lm
67436900	LEDtube HO 1200mm 20W 765 T8 AP I G	765	6500 K	70	2100 lm
67438300	LEDtube HO 600mm 10W 740 T8 AP I G	740	4000 K	70	1050 lm
67440600	LEDtube HO 600mm 10W 765 T8 AP I G	765	6500 K	70	1050 lm
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	841	4000 K	80	3000 lm
68206700	ESSENTIAL LEDtube 1500mm 25W 830 I	830	3000 K	80	2800 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)
73196300	CorePro LEDtube 600mm 8W830 G5 I APR	830	3000 K	80	1000 lm
73198700	CorePro LEDtube 600mm 8W840 G5 I APR	841	4000 K	80	1050 lm
73200700	CorePro LEDtube 600mm 8W865 G5 I APR	865	6500 K	80	1050 lm
73202100	CorePro LEDtube 1200mm 16W830 G5 I APR	830	3000 K	80	2000 lm
73204500	CorePro LEDtube 1200mm 16W840 G5 I APR	841	4000 K	80	2100 lm
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

Essential LEDtube

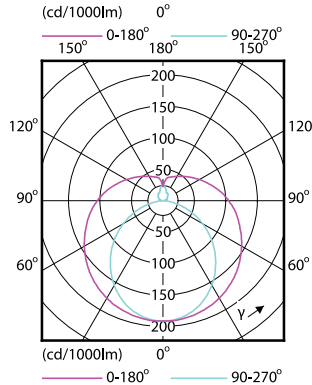
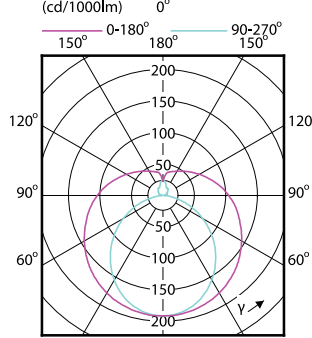
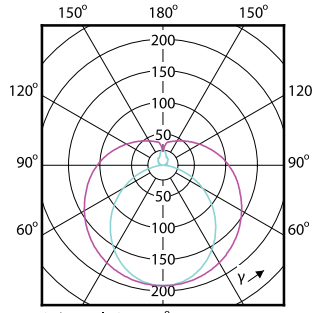
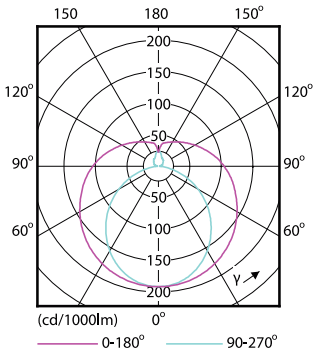
Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (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
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	3000 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
68206700	ESSENTIAL LEDtube 1500mm 25W 830 I	2800 lm
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

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
68205000	ESSENTIAL LEDtube 1500mm 25W 840 I	85 °C
68206700	ESSENTIAL LEDtube 1500mm 25W 830 I	85 °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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