



# 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



G13



G13



G13



G13



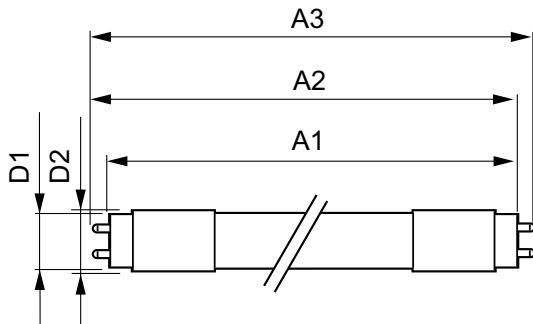
G13

G13

G5

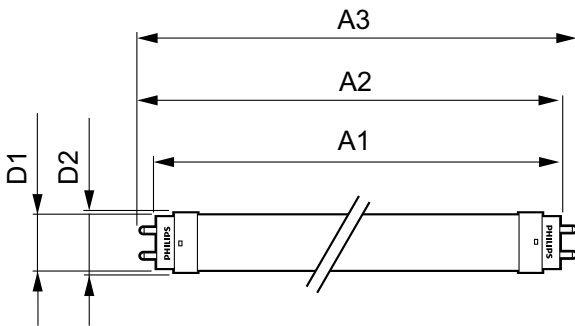
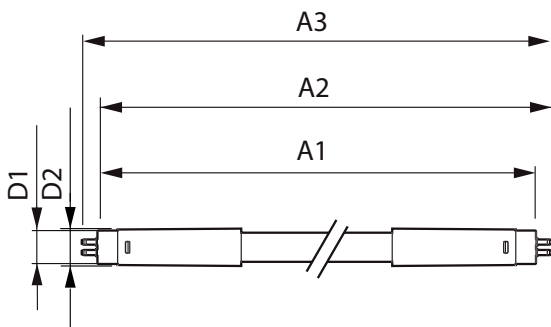
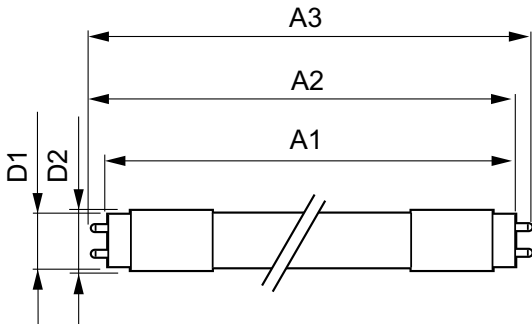
G13

## 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 1200mm 18W 865 T8I W G	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm
LEDtube 600mm8W740 T8 CN I G	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
LEDtube 600mm8W765 T8 CN I G	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
LEDtube 1200mm16W765 T8 CN I G	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm
LEDtube 1200mm16W740 T8 CN I G	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm
ESSENTIAL LEDtube 600mm 9W 840 T8 C W G	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm
ESSENTIAL LEDtube 600mm 9W 865 T8 C W G	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm
ESSENTIAL LEDtube 1500mm 25W 840 I	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm

## Dimensional drawing



Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 600mm 10W865 T8 AP I	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
ESSENTIAL LEDtube 600mm 9W865 T8 AP I	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
ESSENTIAL LEDtube 600mm 9W840 T8 AP I	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
ESSENTIAL LEDtube 1200mm 20W840 T8 AP I	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm
ESSENTIAL LEDtube 1200mm 18W865 T8 AP I	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm
ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm
20T12 EM LED/48-3500 IF G 10/1	25.68 mm	28 mm	1198 mm	1205 mm	1212 mm
20T12 EM LED/48-3000 IF G 10/1	25.68 mm	28 mm	1198 mm	1205 mm	1212 mm

Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1200mm 16W865 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
ESSENTIAL LEDtube 1200mm 16W830 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
ESSENTIAL LEDtube 1200mm 16W840 G5 I APR	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
ESSENTIAL LEDtube 600mm 8W865 G5 I APR	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
ESSENTIAL LEDtube 600mm 8W830 G5 I APR	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
ESSENTIAL 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 1200mm 20W 730 T8 AP I G	25.7 mm	28 mm	1198 mm	1205 mm	1212 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		

## Dimensional drawing

Product	D1	D2	A1	A2	A3	C	D
LEDtube HO 1200mm 20W 740 T8 AP I G	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm		
LEDtube HO 600mm 10W 730 T8 AP I G	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm		
ESSENTIAL LEDtube HO 1200mm 18W865T8 AP	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm		

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Starting Time (Nom)	0.5 s
Light Technical	
Lmf At End Of Nominal Lifetime (Nom)	70 %
Temperature	
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)
929000296608	ESSENTIAL LEDtube 1200mm 20W840 T8 AP I	18 kWh	A+
929000296908	ESSENTIAL LEDtube 600mm 10W865 T8 AP I	9 kWh	A+
929001127410	LEDtube 1200mm16W740 T8 CN I G	16 kWh	A+
929001127510	LEDtube 1200mm16W765 T8 CN I G	16 kWh	A+
929001127610	LEDtube 600mm8W740 T8 CN I G	8 kWh	A+
929001127710	LEDtube 600mm8W765 T8 CN I G	8 kWh	A+
929001128008	ESSENTIAL LEDtube 600mm 9W840 T8 AP I	9 kWh	A+
929001128108	ESSENTIAL LEDtube 600mm 9W865 T8 AP I	9 kWh	A+
929001128208	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	18 kWh	A+
929001128308	ESSENTIAL LEDtube 1200mm 18W865 T8 AP I	18 kWh	A+
929001289508	ESSENTIAL LEDtube 1500mm 25W 840 I	25 kWh	A+
929001289608	ESSENTIAL LEDtube 1500mm 25W 830 I	25 kWh	A+
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	16 kWh	A+

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	16 kWh	A+
929001184738	LEDtube 600mm 8W 740 T8 AP I G	8 kWh	A+
929001184838	LEDtube 600mm 8W 765 T8 AP I G	8 kWh	A+
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	20 kWh	A+
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	20 kWh	A+
929001277408	LEDtube HO 600mm 10W 740 T8 AP I G	10 kWh	A+
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	10 kWh	A+
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	20 kWh	A+
929001299908	LEDtube HO 600mm 10W 730 T8 AP I G	10 kWh	A+
929001193971	ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	18 kWh	A+
929001194515	ESSENTIAL LEDtube 1200mm 18W 865 T8I W G	18 kWh	A+
929001194571	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	18 kWh	A+

## Essential LEDtube

Order Code	Full Product Name	Energy	Energy
		Consumption kWh/ 1000 h	Efficiency Label (EEL)
929001194671	ESSENTIAL LEDtube 600mm 9W 840 T8 C W G	9 kWh	A+
929001194771	ESSENTIAL LEDtube 600mm 9W 865 T8 C W G	9 kWh	A+
929001306104	20T12 EM LED/48-3000 IF G 10/1	-	A+
929001306204	20T12 EM LED/48-3500 IF G 10/1	-	A+
929001380608	ESSENTIAL LEDtube 600mm 8W830 G5 I APR	8 kWh	A++
929001380708	ESSENTIAL LEDtube 600mm 8W840 G5 I APR	8 kWh	A++

Order Code	Full Product Name	Energy	Energy
		Consumption kWh/ 1000 h	Efficiency Label (EEL)
929001380808	ESSENTIAL LEDtube 600mm 8W865 G5 I APR	8 kWh	A++
929001380908	ESSENTIAL LEDtube 1200mm 16W830 G5 I APR	16 kWh	A++
929001381008	ESSENTIAL LEDtube 1200mm 16W840 G5 I APR	16 kWh	A++
929001381108	ESSENTIAL LEDtube 1200mm 16W865 G5 I APR	16 kWh	A++
929001383508	ESSENTIAL LEDtube HO 1200mm 18W865T8 AP	18 kWh	A+

## Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage	Power
			(Nom)	(Rated) (Nom)
929000296608	ESSENTIAL LEDtube 1200mm 20W840 T8 AP I	50 to 60 Hz	220-240 V	18 W
929000296908	ESSENTIAL LEDtube 600mm 10W865 T8 AP I	50 to 60 Hz	220-240 V	9 W
929001127410	LEDtube 1200mm16W740 T8 CN I G	50 to 60 Hz	220-240 V	16 W
929001127510	LEDtube 1200mm16W765 T8 CN I G	50 to 60 Hz	220-240 V	16 W
929001127610	LEDtube 600mm8W740 T8 CN I G	50 to 60 Hz	220-240 V	8 W
929001127710	LEDtube 600mm8W765 T8 CN I G	50 to 60 Hz	220-240 V	8 W
929001128008	ESSENTIAL LEDtube 600mm 9W840 T8 AP I	50 to 60 Hz	220-240 V	9 W
929001128108	ESSENTIAL LEDtube 600mm 9W865 T8 AP I	50 to 60 Hz	220-240 V	9 W
929001128208	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	50 to 60 Hz	220-240 V	18 W
929001128308	ESSENTIAL LEDtube 1200mm 18W865 T8 AP I	50 to 60 Hz	220-240 V	18 W
929001289508	ESSENTIAL LEDtube 1500mm 25W 840 I	50 to 60 Hz	220-240 V	25 W
929001289608	ESSENTIAL LEDtube 1500mm 25W 830 I	50 to 60 Hz	220-240 V	25 W
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	50 to 60 Hz	220-240 V	16 W
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	50 to 60 Hz	220-240 V	16 W
929001184738	LEDtube 600mm 8W 740 T8 AP I G	50 to 60 Hz	220-240 V	8 W
929001184838	LEDtube 600mm 8W 765 T8 AP I G	50 to 60 Hz	220-240 V	8 W
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	50 to 60 Hz	220-240 V	20 W

Order Code	Full Product Name	Input Frequency	Voltage	Power
			(Nom)	(Rated) (Nom)
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	50 to 60 Hz	220-240 V	20 W
929001277408	LEDtube HO 600mm 10W 740 T8 AP I G	50 to 60 Hz	220-240 V	10 W
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	50 to 60 Hz	220-240 V	10 W
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	50 to 60 Hz	220-240 V	20 W
929001299908	LEDtube HO 600mm 10W 730 T8 AP I G	50 to 60 Hz	220-240 V	10 W
929001193971	ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	50 to 60 Hz	100-240 V	18 W
929001194515	ESSENTIAL LEDtube 1200mm 18W 865 T8I W G	50 to 60 Hz	100-240 V	18 W
929001194571	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	50 to 60 Hz	100-240 V	18 W
929001194671	ESSENTIAL LEDtube 600mm 9W 840 T8 C W G	50 to 60 Hz	100-240 V	9 W
929001194771	ESSENTIAL LEDtube 600mm 9W 865 T8 C W G	50 to 60 Hz	100-240 V	9 W
929001306104	20T12 EM LED/48-3000 IF G 10/1	60 Hz	120-277 V	20 W
929001306204	20T12 EM LED/48-3500 IF G 10/1	60 Hz	120-277 V	20 W
929001380608	ESSENTIAL LEDtube 600mm 8W830 G5 I APR	50 to 60 Hz	100-240 V	8 W
929001380708	ESSENTIAL LEDtube 600mm 8W840 G5 I APR	50 to 60 Hz	100-240 V	8 W
929001380808	ESSENTIAL LEDtube 600mm 8W865 G5 I APR	50 to 60 Hz	100-240 V	8 W
929001380908	ESSENTIAL LEDtube 1200mm 16W830 G5 I APR	50 to 60 Hz	100-240 V	16 W
929001381008	ESSENTIAL LEDtube 1200mm 16W840 G5 I APR	50 to 60 Hz	100-240 V	16 W

## Essential LEDtube

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
929001381108	ESSENTIAL LEDtube 1200mm 16W865 G5 I APR	50 to 60 Hz	100-240 V	16 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
929001383508	ESSENTIAL LEDtube HO 1200mm 18W865T8 AP	50 to 60 Hz	220-240 V	18 W

### General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929000296608	ESSENTIAL LEDtube 1200mm 20W840 T8 AP I	G13	30000 h	30000 h	50000X
929000296908	ESSENTIAL LEDtube 600mm 10W865 T8 AP I	G13	30000 h	30000 h	50000X
929001127410	LEDtube 1200mm16W740 T8 CN I G	G13	15000 h	15000 h	50000X
929001127510	LEDtube 1200mm16W765 T8 CN I G	G13	15000 h	15000 h	50000X
929001127610	LEDtube 600mm8W740 T8 CN I G	G13	15000 h	15000 h	50000X
929001127710	LEDtube 600mm8W765 T8 CN I G	G13	15000 h	15000 h	50000X
929001128008	ESSENTIAL LEDtube 600mm 9W840 T8 AP I	G13	30000 h	30000 h	50000X
929001128108	ESSENTIAL LEDtube 600mm 9W865 T8 AP I	G13	30000 h	30000 h	50000X
929001128208	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	G13	30000 h	30000 h	50000X
929001128308	ESSENTIAL LEDtube 1200mm 18W865 T8 AP I	G13	30000 h	30000 h	50000X
929001289508	ESSENTIAL LEDtube 1500mm 25W 840 I	G13	30000 h	30000 h	50000X
929001289608	ESSENTIAL LEDtube 1500mm 25W 830 I	G13	30000 h	30000 h	50000X
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	G13	15000 h	15000 h	50000X
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	G13	15000 h	15000 h	50000X
929001184738	LEDtube 600mm 8W 740 T8 AP I G	G13	15000 h	15000 h	50000X
929001184838	LEDtube 600mm 8W 765 T8 AP I G	G13	15000 h	15000 h	50000X
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	G13	15000 h	15000 h	50000X
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	G13	15000 h	15000 h	50000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929001277408	LEDtube HO 600mm 10W 740 T8 AP I G	G13	15000 h	15000 h	50000X
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	G13	15000 h	15000 h	50000X
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	G13	15000 h	15000 h	50000X
929001299908	LEDtube HO 600mm 10W 730 T8 AP I G	G13	15000 h	15000 h	50000X
929001193971	ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	G13	25000 h	25000 h	50000X
929001194515	ESSENTIAL LEDtube 1200mm 18W 865 T8I W G	G13	30000 h	30000 h	50000X
929001194571	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	G13	25000 h	25000 h	50000X
929001194671	ESSENTIAL LEDtube 600mm 9W 840 T8 C W G	G13	25000 h	25000 h	50000X
929001194771	ESSENTIAL LEDtube 600mm 9W 865 T8 C W G	G13	25000 h	25000 h	50000X
929001306104	20T12 EM LED/48-3000 IF G 10/1	G13	36000 h	36000 h	50000X
929001306204	20T12 EM LED/48-3500 IF G 10/1	G13	36000 h	36000 h	50000X
929001380608	ESSENTIAL LEDtube 600mm 8W830 G5 I APR	G5	30000 h	30000 h	50000X
929001380708	ESSENTIAL LEDtube 600mm 8W840 G5 I APR	G5	30000 h	30000 h	50000X
929001380808	ESSENTIAL LEDtube 600mm 8W865 G5 I APR	G5	30000 h	30000 h	50000X
929001380908	ESSENTIAL LEDtube 1200mm 16W830 G5 I APR	G5	30000 h	30000 h	50000X
929001381008	ESSENTIAL LEDtube 1200mm 16W840 G5 I APR	G5	30000 h	30000 h	50000X
929001381108	ESSENTIAL LEDtube 1200mm 16W865 G5 I APR	G5	30000 h	30000 h	50000X
929001383508	ESSENTIAL LEDtube HO 1200mm 18W865T8 AP	G13	30000 h	30000 h	200000X

### Light Technical

# Essential LEDtube

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color		Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	Rated Beam Angle
					Rendering Index (Nom)				
929000296608	ESSENTIAL LEDtube 1200mm 20W840 T8 AP I	150 °	840	4000 K	80		1600 lm	1600 lm	150 °
929000296908	ESSENTIAL LEDtube 600mm 10W865 T8 AP I	150 °	865	6500 K	80		800 lm	800 lm	150 °
929001127410	LEDtube 1200mm16W740 T8 CN I G	240 °	740	4000 K	73		1600 lm	1600 lm	240 °
929001127510	LEDtube 1200mm16W765 T8 CN I G	240 °	765	6500 K	73		1600 lm	1600 lm	240 °
929001127610	LEDtube 600mm8W740 T8 CN I G	240 °	740	4000 K	73		800 lm	800 lm	240 °
929001127710	LEDtube 600mm8W765 T8 CN I G	240 °	765	6500 K	73		800 lm	800 lm	240 °
929001128008	ESSENTIAL LEDtube 600mm 9W840 T8 AP I	150 °	840	4000 K	80		800 lm	800 lm	150 °
929001128108	ESSENTIAL LEDtube 600mm 9W865 T8 AP I	150 °	865	6500 K	80		800 lm	800 lm	150 °
929001128208	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	150 °	840	4000 K	80		1600 lm	1600 lm	150 °
929001128308	ESSENTIAL LEDtube 1200mm 18W865 T8 AP I	150 °	865	6500 K	80		1600 lm	1600 lm	150 °
929001289508	ESSENTIAL LEDtube 1500mm 25W 840 I	-	840	4000 K	80		3000 lm	3000 lm	-
929001289608	ESSENTIAL LEDtube 1500mm 25W 830 I	-	830	3000 K	80		2800 lm	2800 lm	-
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	-	740	4000 K	73		1600 lm	1600 lm	-
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	-	765	6500 K	73		1600 lm	1600 lm	-
929001184738	LEDtube 600mm 8W 740 T8 AP I G	-	740	4000 K	73		800 lm	800 lm	-
929001184838	LEDtube 600mm 8W 765 T8 AP I G	-	765	6500 K	73		800 lm	800 lm	-
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	-	740	4000 K	70		2100 lm	2100 lm	-
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	-	765	6500 K	70		2100 lm	2100 lm	-
929001277408	LEDtube HO 600mm 10W 740 T8 AP I G	-	740	4000 K	70		1050 lm	1050 lm	-
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	-	765	6500 K	70		1050 lm	1050 lm	-
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	-	730	3000 K	70		1900 lm	1900 lm	-
929001299908	LEDtube HO 600mm 10W 730 T8 AP I G	-	730	3000 K	70		950 lm	950 lm	-
929001193971	ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	240 °	840	4000 K	82		1850 lm	1850 lm	-
929001194515	ESSENTIAL LEDtube 1200mm 18W 865 T8I W G	240 °	865	6500 K	82		1850 lm	1850 lm	-
929001194571	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	240 °	865	6500 K	82		1850 lm	1850 lm	-
929001194671	ESSENTIAL LEDtube 600mm 9W 840 T8 C W G	240 °	840	4000 K	82		900 lm	900 lm	-
929001194771	ESSENTIAL LEDtube 600mm 9W 865 T8 C W G	240 °	865	6500 K	82		900 lm	900 lm	-
929001306104	20T12 EM LED/48-3000 IF G 10/1	-	830	3000 K	82		2000 lm	2000 lm	-
929001306204	20T12 EM LED/48-3500 IF G 10/1	-	835	3500 K	82		2000 lm	2000 lm	-
929001380608	ESSENTIAL LEDtube 600mm 8W830 G5 I APR	-	830	3000 K	80		1000 lm	1000 lm	-
929001380708	ESSENTIAL LEDtube 600mm 8W840 G5 I APR	-	840	4000 K	80		1050 lm	1050 lm	-
929001380808	ESSENTIAL LEDtube 600mm 8W865 G5 I APR	-	865	6500 K	80		1050 lm	1050 lm	-
929001380908	ESSENTIAL LEDtube 1200mm 16W830 G5 I APR	-	830	3000 K	80		2000 lm	2000 lm	-
929001381008	ESSENTIAL LEDtube 1200mm 16W840 G5 I APR	-	840	4000 K	80		2100 lm	2100 lm	-
929001381108	ESSENTIAL LEDtube 1200mm 16W865 G5 I APR	-	865	6500 K	80		2100 lm	2100 lm	-
929001383508	ESSENTIAL LEDtube HO 1200mm 18W865T8 AP	-	865	6500 K	80		2100 lm	2100 lm	-

## Temperature

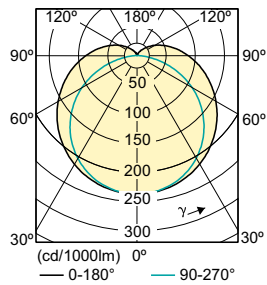
Order Code	Full Product Name	T-Ambient (Max)	T-Case Maximum (Nom)	Order Code	Full Product Name	T-Ambient (Max)	T-Case Maximum (Nom)
929000296608	ESSENTIAL LEDtube 1200mm 20W840 T8 AP I	45 °C	53 °C	929001128008	ESSENTIAL LEDtube 600mm 9W840 T8 AP I	45 °C	53 °C
929000296908	ESSENTIAL LEDtube 600mm 10W865 T8 AP I	35 °C	53 °C	929001128108	ESSENTIAL LEDtube 600mm 9W865 T8 AP I	45 °C	53 °C
929001127410	LEDtube 1200mm16W740 T8 CN I G	45 °C	60 °C	929001128208	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	45 °C	53 °C
929001127510	LEDtube 1200mm16W765 T8 CN I G	45 °C	60 °C	929001128308	ESSENTIAL LEDtube 1200mm 18W865 T8 AP I	45 °C	53 °C
929001127610	LEDtube 600mm8W740 T8 CN I G	45 °C	60 °C	929001289508	ESSENTIAL LEDtube 1500mm 25W 840 I	45 °C	85 °C
929001127710	LEDtube 600mm8W765 T8 CN I G	45 °C	60 °C				

# Essential LEDtube

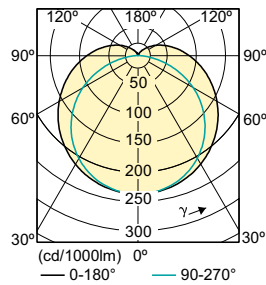
Order Code	Full Product Name	T-Ambient (Max)	T-Case Maximum (Nom)
929001289608	ESSENTIAL LEDtube 1500mm 25W 830 I	45 °C	85 °C
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	45 °C	60 °C
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	45 °C	60 °C
929001184738	LEDtube 600mm 8W 740 T8 AP I G	45 °C	60 °C
929001184838	LEDtube 600mm 8W 765 T8 AP I G	45 °C	60 °C
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	45 °C	65 °C
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	45 °C	65 °C
929001277408	LEDtube HO 600mm 10W 740 T8 AP I G	45 °C	65 °C
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	45 °C	65 °C
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	45 °C	65 °C
929001299908	LEDtube HO 600mm 10W 730 T8 AP I G	45 °C	65 °C
929001193971	ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	45 °C	70 °C
929001194515	ESSENTIAL LEDtube 1200mm 18W 865 T8I W G	45 °C	70 °C
929001194571	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	45 °C	70 °C
929001194671	ESSENTIAL LEDtube 600mm 9W 840 T8C W G	45 °C	70 °C

Order Code	Full Product Name	T-Ambient (Max)	T-Case Maximum (Nom)
929001194771	ESSENTIAL LEDtube 600mm 9W 865 T8C W G	45 °C	70 °C
929001306104	20T12 EM LED/48-3000 IF G 10/1	45 °C	65 °C
929001306204	20T12 EM LED/48-3500 IF G 10/1	45 °C	65 °C
929001380608	ESSENTIAL LEDtube 600mm 8W830 G5 I APR	45 °C	70 °C
929001380708	ESSENTIAL LEDtube 600mm 8W840 G5 I APR	45 °C	70 °C
929001380808	ESSENTIAL LEDtube 600mm 8W865 G5 I APR	45 °C	70 °C
929001380908	ESSENTIAL LEDtube 1200mm 16W830 G5 I APR	45 °C	70 °C
929001381008	ESSENTIAL LEDtube 1200mm 16W840 G5 I APR	45 °C	70 °C
929001381108	ESSENTIAL LEDtube 1200mm 16W865 G5 I APR	45 °C	70 °C
929001383508	ESSENTIAL LEDtube HO 1200mm 18W865T8 AP	45 °C	65 °C

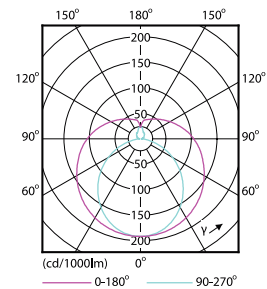
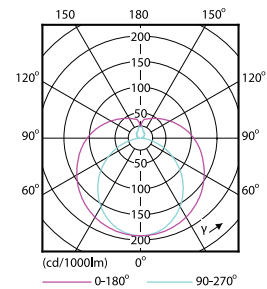
## Light Distribution Diagrams



LEDtube 1200 mm 18 W C

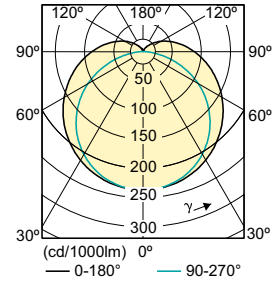
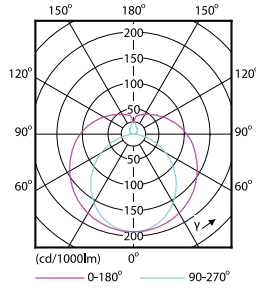
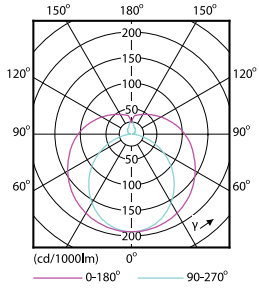


LEDtube 600 mm 9 W C

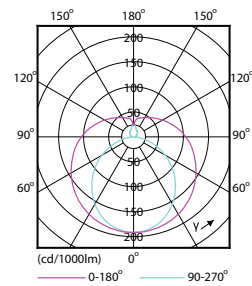
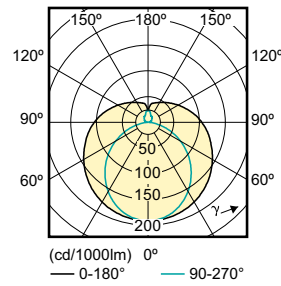
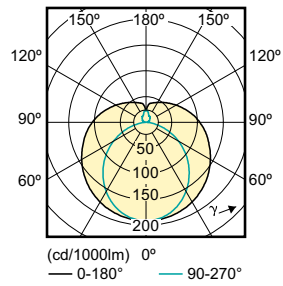




## Light Distribution Diagrams



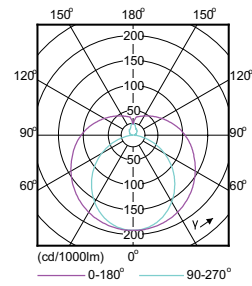
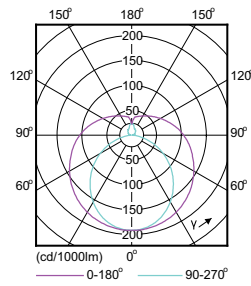
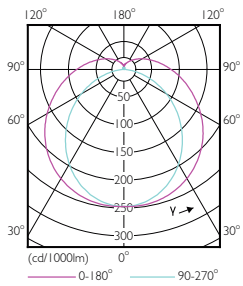
600 mm, 1200 mm 9 W, 18 W T8 AP I



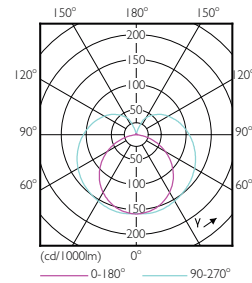
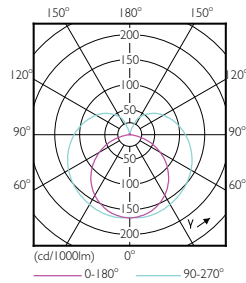
LEDtube 1200mm 18 W T8 C W G

LEDtube 600mm 9 W T8 C W G

LEDtube HO 20W G13 730 T8 AP I G



ESSENTIAL LEDtube 25W G13 830 I

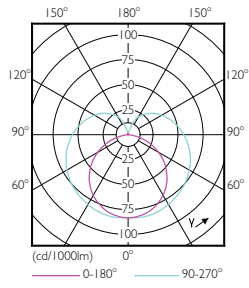


ESSENTIAL LEDtube 8W G5 830 APR

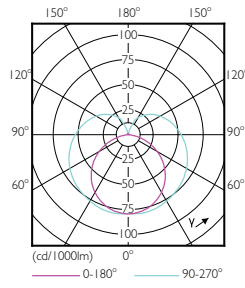
ESSENTIAL LEDtube 8W G5 840 APR

# Essential LEDtube

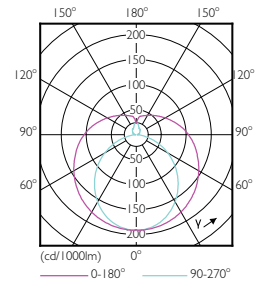
## Light Distribution Diagrams



ESSENTIAL LEDtube 16W G5 830 APR



ESSENTIAL LEDtube 16W G5 840 APR



ESSENTIAL LEDtube HO 18W G13 865 T8 AP

