



# Product Description

## ESSENTIAL

The Essential range is a standard stick-shape compact fluorescent lamp, with the lowest purchase price. It is available in 8W, 14W, 18W and 23W, with lumen equivalence of 40W, 75W, 100W and 125W incandescent light bulb. It is also available in two color temperatures: warm white (2700K) and cool daylight (6500K). It is available in both 220-240V and 120-127V and able to operate under a wide voltage range (Power supply fluctuation). It consumes up to 80% less energy than the incandescent light bulb and lasts for 3 years.

### Benefits

- Energy saving
- Fewer lamp replacements

### Features

- U-shaped energy saving lamp
- High energy efficiency
- Long-life alternative to incandescent lamps

### Application

- The Essential range is widely used to replace incandescent light bulb at all kinds of general lighting applications.
- It is not suitable for dimming and electronic devices

### Warnings and Safety

- Breaking a lamp is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a closed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- Compact fluorescent lamps have to be treated as special waste, they must be taken to your local waste facilities for recycling. The European Lighting Industry has set up an infrastructure, capable of recycling mercury, other metals, glass etc.

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## Versions



## Dimensional drawing



Product	D (max)	C (max)	F (max)
UAE Essential 18W CDL E27 1CT/12	36.0 mm	143 mm	48.4 mm
UAE Essential 23W WW E27 1CT/12	36.0 mm	160 mm	48.4 mm

Product	D (max)	C (max)	F (max)
UAE Essential 23W CDL B22 1CT/12	36.0 mm	158.5 mm	48.4 mm

## Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Max)	2.0 mg
Mercury (Hg) Content (Nom)	1.5 mg

## Controls and Dimming

Dimmable	No
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## Operating and Electrical

Input Frequency	50 or 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.3 s
Warm Up Time To 60% Light (Max)	40 s
Warm Up Time To 60% Light (Min)	5 s

## General Information

Nominal Lifetime (Nom)	6000 h
Rated Lifetime (Hours)	6000 h
Switching Cycle	6.000X

## Light Technical

Llmf At End Of Nominal Lifetime (Nom)	70 %
Lumen Maintenance 2000 h (Nom)	88 %

## Mechanical and Housing

Bulb Shape	Stick
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## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
40904600	Essential 23W CDL B22 220-240V 1CT/12	23 kWh
40902200	Essential 18W CDL E27 220-240V 1CT/12	18 kWh
40908400	Essential 23W WW E27 220-240V 1CT/12	23 kWh

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
40904600	Essential 23W CDL B22 220-240V 1CT/12	160 mA	23.0 W
40902200	Essential 18W CDL E27 220-240V 1CT/12	130 mA	18 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
40908400	Essential 23W WW E27 220-240V 1CT/12	160 mA	23.0 W

## General Information

Order Code	Full Product Name	Cap-Base
40904600	Essential 23W CDL B22 220-240V 1CT/12	B22
40902200	Essential 18W CDL E27 220-240V 1CT/12	E27

Order Code	Full Product Name	Cap-Base
40908400	Essential 23W WW E27 220-240V 1CT/12	E27

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
40904600	Essential 23W CDL B22 220-240V 1CT/12	313	337	865	Cool Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
40902200	Essential 18W CDL E27 220-240V 1CT/12	313	337	865	Cool Daylight

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Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
40908400	Essential 23W WW E27	463	420	827	Warm White (WW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
	220-240V 1CT/12				

## Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour	Colour	Luminous	Luminous
		Temperature (Nom)	Rendering Index (Nom)	Efficacy (rated) (Nom)	Flux (Rated) (Nom)
40904600	Essential 23W CDL B22 220-240V 1CT/12	6500 K	80	61 lm/W	1370 lm
40902200	Essential 18W CDL E27	6500 K	80	61 lm/W	1100 lm

Order Code	Full Product Name	Correlated Colour	Colour	Luminous	Luminous
		Temperature (Nom)	Rendering Index (Nom)	Efficacy (rated) (Nom)	Flux (Rated) (Nom)
	220-240V 1CT/12				
40908400	Essential 23W WW E27 220-240V 1CT/12	2700 K	82	62 lm/W	1430 lm

