

LED CFL Plug-in 18-27W



LED lamps represent a safe, reliable and energy efficient alternative to CFL lamps, specifically for outdoor and industrial applications. Our range offers retrofit replacement for a wide range of non integrated CFL lamp installations with any G24q base. With the classic shape and optimized light distribution, customers can experience high quality LED solution for their existing fixtures without costly upgrades. The new line features a passive cooling system, increasing the energy efficiency of the lamps and thus resulting in reduced operating costs, which savings are also supported by the increased service life of the products ensured by the high quality chips and the active temperature management.

Specification Features

Long life

- 50 000 hours rated life (L70)
- Lasts 2.5 - 4x longer than typical lamps
- Active temperature management inside the lamp to ensure long life for this high power LED lamp

High efficiency

- Outstanding energy efficiency up to 133 lm/w
- A++ energy efficiency rating
- Uses 43% less energy compared to a 32W/42W nonintegrated CFL lamp

High Quality lighting effect

- High uniformity of light with optimized light distribution
- Available with a CRI of 80

Environmentally Conscious

- Energy efficient lamp that contains no lead or mercury
- Instant full light output at switch-on

Features

- 18 - 27W LED lamp delivers up to 43% energy saving
- Universal G24q base to replace all non integrated CFL lamps with any base from G24q-1 to -7
- High light output of 2250-3600 lumens
- Available in 3000K/4000K
- IP20 rating
- Can be operated on 100-240V Mains Voltage without ballast

Application areas



Street and Pedestrian



Commercial areas City beautification Architectural



Industrial

Specification summary

Rated Wattage (W)	Base	CCT (K)	Product Description	Rated Lumens (lm)	Life L70 (hrs)	CRI (Ra)	Burn Position	Pack Qty (pcs)	Product Code
18	G24q-1...-7	3000	LED CFL 18W/830/G24Q	2250	50,000	80	universal	24	S70430
18	G24q-1...-7	4000	LED CFL 18W/840/G24Q	2400	50,000	80	universal	24	S70431
22	G24q-1...-7	3000	LED CFL 22W/830/G24Q	2750	50,000	80	universal	24	S70432
22	G24q-1...-7	4000	LED CFL 22W/840/G24Q	2930	50,000	80	universal	24	S70433
27	G24q-1...-7	3000	LED CFL 27W/830/G24Q	3370	50,000	80	universal	24	S70434
27	G24q-1...-7	4000	LED CFL 27W/840/G24Q	3600	50,000	80	universal	24	S70435

Electrical and Photometric Characteristics

Ambient temperature range	-25°C to +50°C
Number of switching cycles	>15 000
Lumen maintenance at B50	70%
Color consistency	<6 steps
Dimmable	No
Fixture rating	Indoor: open fixture with dry conditions Outdoor: enclosed fixture only
Starting time	<0.5sec
Weight	297-319g
Lamp Voltage	100-240V
Lamp Power Factor	>0.9
Cooling	Passive cooling

Dimensions (mm)

Lamp Description	Overall Length (mm)	Diameter (mm)
LED CFL18W/8xx/G24q/PC	130	61
LED CFL 22W/8xx/G24q/PC	137	61
LED CFL 27W/8xx/G24q/PC	150	61

Operation and maintenance

Store and use the lamps the same way as standard CFL lamps.

- Lamps should be kept free from contamination.
- Switch off mains supply before installing/removing lamp.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- Use in Indoor open fixture with dry condition, Outdoor enclosed fixture only.
- Not for use in emergency lighting circuits.
- Re-wiring of fixture to bypass the ballast, ignitor, capacitor is needed for this lamp