

# LED.Home 1.2W G4

## 1.2W 12Vac/dc G4 Lamp



### Product Overview

Kosnic's Home range of LED products brings the energy saving capabilities of LED technology to the home. The range is both beautiful and functional while offering lamps that deliver huge energy savings over filament lamps without compromising on brightness. The lamps can quickly replace filament products in general lighting applications, and once in place rapid payback is achieved.

### Features

- Save energy up to 80% compared with filament lamp.
- Replacement for 10W G4 lamps.
- For use with 12Vdc constant voltage LED drivers.
- Can be used with most 12Vac transformers for halogen lamps as 10W replacement.
- Long life of 30,000h.
- Instant start.
- Negligible UV output.
- Mercury free.

### Safety and Maintenance

- Switch off supply before installing or removing lamp. Allow to cool before handling.
- Do not use in totally enclosed fittings as this will reduce lamp life.
- Do not dispose of in household waste.
- Dispose of in appropriate section of local civic amenity site or recycling centre.

## Specifications

| Product Code                                 | KLED1.2CPL/G4-N30  | KLED1.2CPL/G4-N65  |
|--|--------------------|--------------------|
| Lamp Cap                                     | G4                 | G4                 |
| Lamp Shape                                   | CPL                | CPL                |
| Nominal Power (W)                            | 1.2                | 1.2                |
| Voltage                                      | 12V AC/DC          | 12V AC/DC          |
| Current (mA)                                 | 100                | 100                |
| Nominal Luminous Flux (lm)                   | 80                 | 90                 |
| CCT (K)                                      | 3000K Warm White   | 6500K Day Light    |
| Nominal Lifetime (h)                         | 30000              | 30000              |
| Dimmable                                     | No                 | No                 |
| Switching Cycles                             | 50000              | 50000              |
| Warm-up time to 60% (S)                      | Instant full light | Instant full light |
| Length (mm)                                  | 35                 | 35                 |
| Diameter (mm)                                | 9.5                | 9.5                |
| Mercury (mg)                                 | 0                  | 0                  |
| Clean-up instructions                        | N/A                | N/A                |
| Retrofit                                     | No                 | No                 |
| Equivalent Wattage (W)                       | 9                  | 10                 |
| Rated Power (W)                              | 1.2                | 1.2                |
| Rated Luminous Flux (lm)                     | 80                 | 90                 |
| Rated Lifetime (h)                           | 30000              | 30000              |
| Power Factor                                 | 1.00               | 1.00               |
| Rated Peak Candelas (cd)                     | 10                 | 15                 |
| Lumen Maintenance Factor at Nominal Lifetime | 0.75               | 0.75               |
| SDCM of CCT                                  | <6                 | <6                 |
| CRI  | 85                 | 88                 |
| Start Time (s)                               | 0.15               | 0.15               |
| Ambient Temperature Range (°C)               | -20 to 40          | -20 to 40          |

## Energy Label

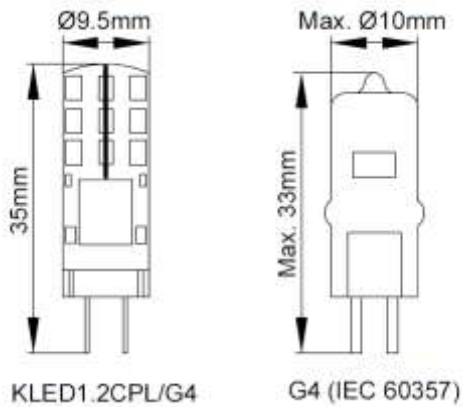
| Manufacturer                   | Kosnic            | Kosnic            |
|--------------------------------|-------------------|-------------------|
| Product Code                   | KLED1.2CPL/G4-N30 | KLED1.2CPL/G4-N65 |
| Energy Class                   | A++               | A++               |
| Energy Consumption (kWh/1000h) | 1.32 (2)          | 1.32 (2)          |

\* The kWh/1000h value published on the energy label is required to be rounded up to an integer according to the EU implementing directive on Energy Labelling. The value to 2 decimal places is given for reference.

### Product Markings

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| Manufacturer      | Kosnic            | Kosnic            |
| Product Code      | KLED1.2CPL/G4-N30 | KLED1.2CPL/G4-N65 |
| Voltage           | 12V AC/DC         | 12V AC/DC         |
| Nominal Power (W) | 1.2               | 1.2               |
| Current (mA)      | 100               | 100               |
| CE Mark           | Yes               | Yes               |
| WEEE Mark         | Yes               | Yes               |
| Batch Code        | Yes               | Yes               |

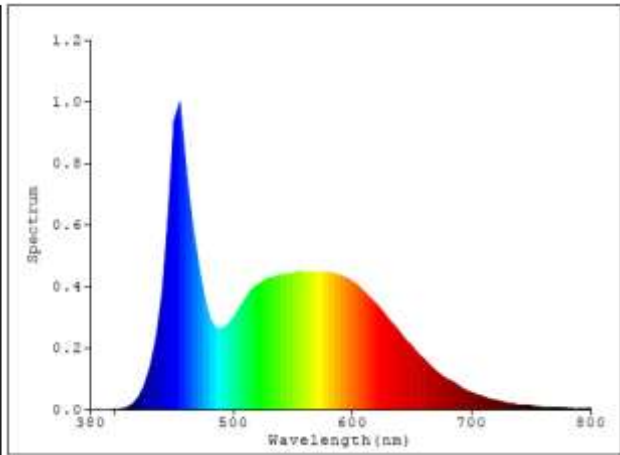
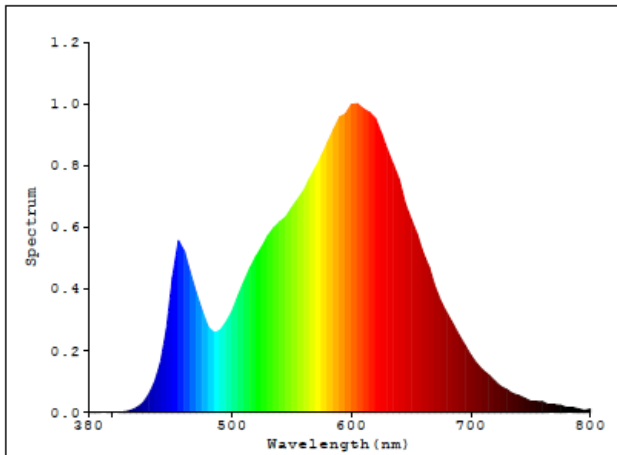
### Dimensions



### Photometric Information

3000K

6500K



## Compatibility

The lamps are primarily designed for use with 12Vdc constant voltage LED drivers. However, the lamps can be used with many 12Vac electronic transformers for halogen lamps as 10W equivalent lamps. Test results in laboratory conditions for testing are listed below for a limited number of transformers. It is always recommend that lamps are tested with existing 12Vac electronic transformers before committing to an installation as results can vary.

| AC Transformer Make | Model          | Rating   | Compatibility as 10W Equivalent |
|---------------------|----------------|----------|---------------------------------|
| AURORA              | AU-150SS       | 50-150VA | Not Compatible                  |
| AURORA              | AU-210SS       | 50-210VA | Not Compatible                  |
| AURORA              | AU-60AMP       | 20-60VA  | Not Compatible                  |
| AURORA              | AU-E105        | 35-105VA | Not Compatible                  |
| AURORA              | AU-RD105       | 35-105VA | Not Compatible                  |
| AURORA              | AU-RD60E       | 20-60VA  | Compatible                      |
| AURORA              | DAIS DA-E60    | 20-60VA  | Compatible                      |
| AURORA              | ENLITE EN-SC60 | 20-60VA  | Compatible                      |
| AVENUE              | AVET60MINI     | 0-60VA   | Not Compatible                  |
| COLLINGWOOD         | GREEN60        | 20-60VA  | Compatible                      |
| CONTACT             | CED-60         | 20-60VA  | Not Compatible                  |
| ET (IBL)            | 4104.00        | 20-60VA  | Compatible                      |
| ET (IBL)            | 4105.00        | 35-75VA  | Compatible                      |
| ET (IBL)            | 4106.00        | 35-105VA | Compatible                      |
| HALOLITE            | HA-S105TE      | 35-105VA | Not Compatible                  |
| HALOLITE            | HA-S60TA       | 20-60VA  | Not Compatible                  |
| HALOLITE            | HA-SE60        | 20-60VA  | Compatible                      |
| HALOLITE            | HA-SF60T       | 20-60VA  | Not Compatible                  |
| HALOLITE            | HA-SM60TS      | 20-60VA  | Compatible                      |
| JCC                 | JC4013         | 35-105VA | Not Compatible                  |
| JCC                 | JC4030         | 10-60VA  | Compatible                      |
| KNIGHTSBRIDGE       | T02            | 20-60VA  | Compatible                      |
| LL                  | ET105          | 20-105VA | Compatible                      |
| LUXINA              | ET60T-3        | 20-60VA  | Compatible                      |
| MAE                 | MA-60          | 10-60VA  | Compatible                      |
| OSRAM               | HTM 105        | 35-105VA | Compatible                      |
| OSRAM               | HTM 70         | 20-70VA  | Not Compatible                  |
| PHILIPS             | CENTALINE 105W | 35-105VA | Compatible                      |
| PHILIPS             | ET-E60         | 20-60VA  | Not Compatible                  |
| RELCO               | 60FPS          | 20-60VA  | Compatible                      |
| ROBUS               | LEB60D         | 20-60VA  | Compatible                      |
| ROBUS               | RM105DN        | 35-105VA | Not Compatible                  |
| SELF                | SET105FS       | 35-105VA | Compatible                      |
| SPEEDY              | TE-0105-C101   | 35-105VA | Not Compatible                  |
| VARILIGHT           | YT105L         | 0-105VA  | Compatible                      |
| VARILIGHT           | YT150          | 0-150VA  | Compatible                      |
| VARILIGHT           | YT250          | 0-250VA  | Not Compatible                  |
| VARILIGHT           | YT50L          | 0-50VA   | Compatible                      |
| VARILIGHT           | YT50LZ         | 0-50VA   | Compatible                      |
| VARILIGHT           | YT70L          | 0-70VA   | Compatible                      |