

# LED PLD/E AC

## 4.5W/5W/6W/9W

### Features

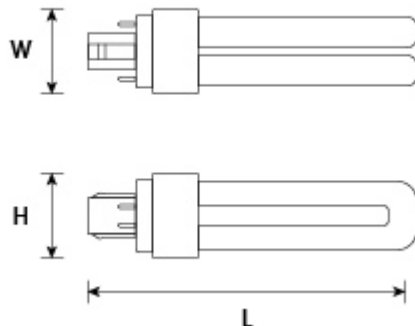
- Energy saving with low power consumption
- LED PLD/E 4PIN is not suitable for ECG Circuit. The ECG should be bypassed for AC connection
- For direct connection with AC
- Instant full brightness
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage : 220-240Vac, 50/60Hz, Power Factor: 0.5
- Good color rendition, Ra ≥80



### Diagrams

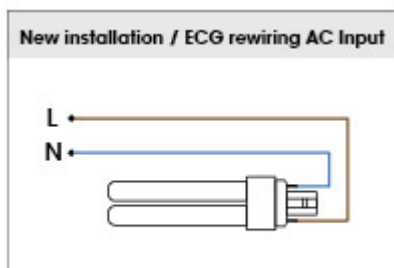
#### Dimensions:

G24q base



| (Unit : mm) | (L) |   | (W) |   | (H) |
|-------------|-----|---|-----|---|-----|
| <b>4.5W</b> | 109 | x | 35  | x | 35  |
| <b>5W</b>   | 143 | x | 35  | x | 35  |
| <b>6W</b>   | 143 | x | 35  | x | 35  |
| <b>9W</b>   | 168 | x | 35  | x | 35  |

#### Circuits:



Direct 220 - 240V AC input. Integral LED driver  
This LED PLD/E is not suitable for ECG Circuit. Please bypass the ECG for AC connection

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## Standards



## Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant



School



Hospital

## Technical Data

## Type of Light Source

|                                           |      |
|-------------------------------------------|------|
| Lighting Technology Used                  | LED  |
| Non-directional or Directional [NDLS/DLS] | NDLS |
| Mains or Non-mains [MLS/NMLS]             | MLS  |
| Connected Light Source                    | No   |
| Color tunable light source                | No   |
| Envelop [No/Second/Non-Clear]             | No   |
| High Luminance Light Source               | No   |
| Anti-glare Shield                         | No   |

## Electrical

|                             |                     |
|-----------------------------|---------------------|
| Rated Wattage [W]           | 4.5W / 5W / 6W / 9W |
| On-mode Power [W]           | 4.5W / 5W / 6W / 9W |
| Standby Power [W]           | N/A                 |
| Networked Standby Power [W] | N/A                 |
| Rated Voltage [V/Hz]        | 220-240Vac, 50/60Hz |
| Power Factor @230V          | 0.5                 |
| Input Current [mA] @230V    | 39 / 43 / 52 / 78   |

## Model

|                            |      |
|----------------------------|------|
| LED PLDE/10-4.5W/8XX/G/4P  | 4.5W |
| LED PLDE/13-5W/8XX/G/4P    | 5W   |
| LED PLDE/18-6W/AC/8XX/G/4P | 6W   |
| LED PLDE/26-9W/AC/8XX/G/4P | 9W   |

## Luminous Flux (Useful Luminous Flux) [lm]

|      |              |
|------|--------------|
| 4.5W | 580lm @3000K |
|------|--------------|

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|                                           |                                                           |
|-------------------------------------------|-----------------------------------------------------------|
|                                           | 605lm @4000K                                              |
|                                           | 630lm @6500K                                              |
| 5W                                        | 680lm @3000K                                              |
|                                           | 705lm @4000K                                              |
|                                           | 730lm @6500K                                              |
| 6W                                        | 800lm @3000K                                              |
|                                           | 835lm @4000K                                              |
|                                           | 870lm @6500K                                              |
| 9W                                        | 1250lm @3000K                                             |
|                                           | 1300lm @4000K                                             |
|                                           | 1350lm @6500K                                             |
| <b>Performance</b>                        |                                                           |
| SDCM                                      | <6                                                        |
| Chromaticity coordinates [x, y]           | 0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.312, 0.335@6500K |
| Efficacy [lm/W]                           | 128-150                                                   |
| Color Rendering Index [Ra]                | ≥80                                                       |
| R9 colour rendering index value           | 2                                                         |
| Beam Angle [°]                            | 360                                                       |
| Rated Life, Ta@25°C [hrs]                 | 30,000                                                    |
| Survival Factor                           | 0.9                                                       |
| Lumen Maintenance Factor                  | 0.96                                                      |
| Number of Switching Cycles Before Failure | >15,000                                                   |
| Starting Time [S]                         | <0.5                                                      |
| Warm Up Time [S]                          | <2                                                        |
| Premature Failure At 1000hrs              | <5%                                                       |
| Displacement Factor [cosØ]                | 0.5                                                       |
| Flicker Metric [Pst LM]                   | 1                                                         |
| Stroboscopic Effect Metric [SVM]          | 0.4                                                       |
| <b>Mechanical</b>                         |                                                           |
| Length L [mm]                             | 109 / 143 / 143 / 168                                     |
| Width W [mm]                              | 35                                                        |
| Height H [mm]                             | 35                                                        |
| Base                                      | G24q                                                      |
| Material                                  | Glass                                                     |
| <b>Standard Compliance</b>                |                                                           |
| CE-LVD                                    | EN62560                                                   |
| CE-EMC                                    | EN55015, EN61547, EN61000-3-2, EN61000-3-3                |
| CE-EMF                                    | EN62493                                                   |
| Environment                               | RoHS                                                      |
| Mercury Content [mg]                      | 0.0                                                       |
| Energy Class                              | 3000K / 4000K / 6500K                                     |
| 4.5W                                      | E / E / D                                                 |
| 5W                                        | D / D / D                                                 |

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|                                              |                           |
|----------------------------------------------|---------------------------|
| 6W                                           | E / D / D                 |
| 9W                                           | D / D / D                 |
| Other                                        |                           |
| Dimmable [Yes/Only with specific dimmers/No] | No                        |
| Operation Temperature                        | -20°C ~ 50°C              |
| Storage Temperature                          | -10°C ~ 30°C              |
| Claim of Equivalent Power, 4.5W [W]          | 10W                       |
| Claim of Equivalent Power, 5W [W]            | 13W                       |
| Claim of Equivalent Power, 6W [W]            | 18W                       |
| Claim of Equivalent Power, 9W [W]            | 26W                       |
| Energy Consumption in on-mode [kWh/1000h]    | 5kWh / 5kWh / 6kWh / 9kWh |