

LED PLD AC & CCG

4.5W/5W/6W/9W

Features

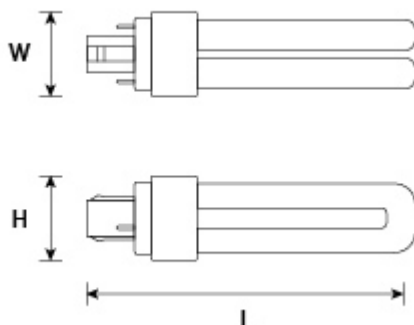
- Energy saving with low power consumption
- Perfect retrofit fluorescent PLD lamps in CCG circuits
- For direct connection with AC
- Instant full brightness
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 220-240Vac, 50/60Hz, Power Factor: 0.5
- Good color rendition, Ra ≥80



Diagrams

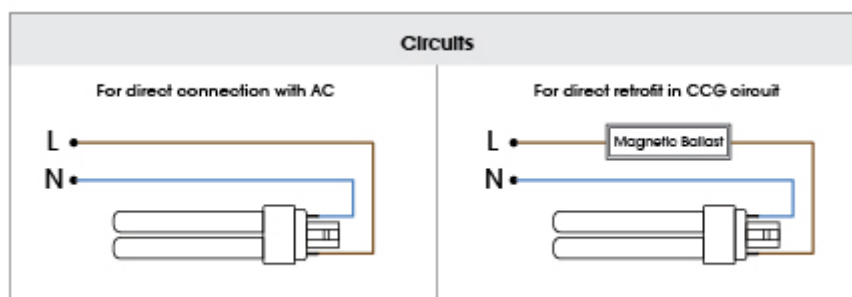
Dimensions:

G24d base



(Unit : mm)	(L)	(W)	(H)
4.5W	109	x 35	x 35
5W	143	x 35	x 35
6W	143	x 35	x 35
9W	168	x 35	x 35

Circuits:



Direct 220 - 240V AC input. Integral LED driver

Prosperity Lamps & Components Ltd.

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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 PLD/10-4.5W/8XX/G/2P 4.5W

LED PLD/13-5W/8XX/G/2P 5W

LED PLD/18-6W/8XX/G/2P 6W

LED PLD/26-9W/8XX/G/2P 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
Performance	
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
Mechanical	
Length L [mm]	109 / 143 / 143 / 168
Width W [mm]	35
Height H [mm]	35
Base	G24d
Material	Glass
Standard Compliance	
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