

LED PLS/E AC

3W/4.5W/5W

Features

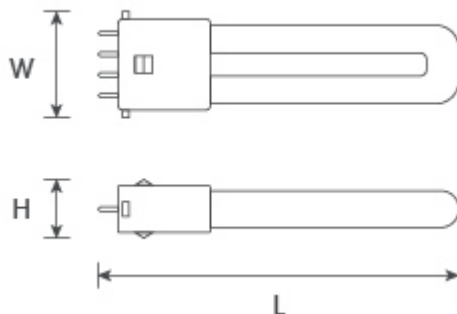
- Energy saving with low power consumption
- LED PLS/E 4PIN is not suitable for ECG Circuit. The ECG should be bypassed for AC connection
- For direct connection with AC
- Instant full brightness
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: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



Diagrams

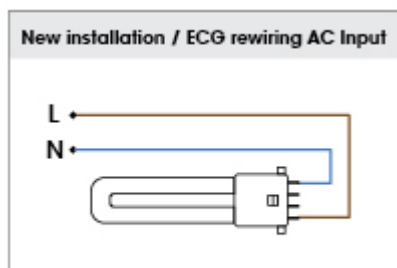
Dimensions:

2G7 base



(Unit : mm)	(L)		(W)		(H)
3W	121	x	37	x	21
4.5W	146	x	37	x	21
5W	205	x	37	x	21

Circuits:



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

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] 3W / 4.5W / 5W

On-mode Power [W] 3W / 4.5W / 5W

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 26 / 39 / 43

Model

LED PLSE/7-3W/AC/8XX/G/4P 3W

LED PLSE/9-4.5W/AC/8XX/G/4P 4.5W

LED PLSE/11-5W/AC/8XX/G/4P 5W

Luminous Flux (Useful Luminous Flux) [lm]

3W 360lm @3000K

370lm @4000K

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	380lm @6500K
4.5W	560lm @3000K
	580lm @4000K
	600lm @6500K
5W	680lm @3000K
	700lm @4000K
	720lm @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]	120-144
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	270
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]	121 / 146 / 205
Width W [mm]	37
Height H [mm]	21
Base	2G7
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
3W	E / E / E
4.5W	E / E / E
5W	D / D / D
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-20°C ~ 50°C

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Storage Temperature	-10°C ~ 30°C
Claim of Equivalent Power, 3W [W]	7W
Claim of Equivalent Power, 4.5W [W]	9W
Claim of Equivalent Power, 5W [W]	11W
Energy Consumption in on-mode [kWh/1000h]	3kWh / 5kWh / 5kWh