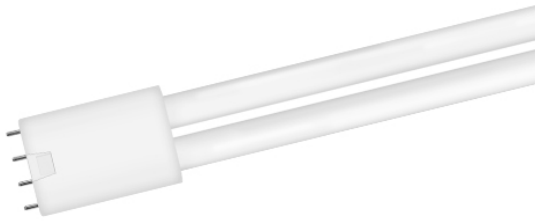
LED PLL AC
8W/12W/18W/20W/24W

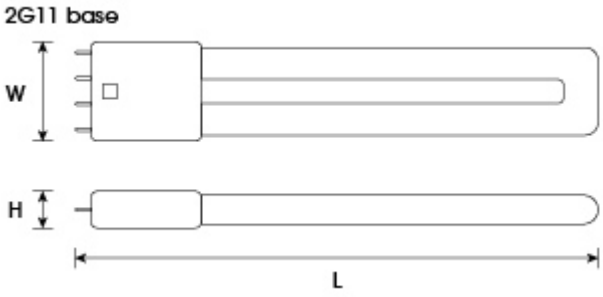
Features

- Energy saving with low power consumption
- LED PLL 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



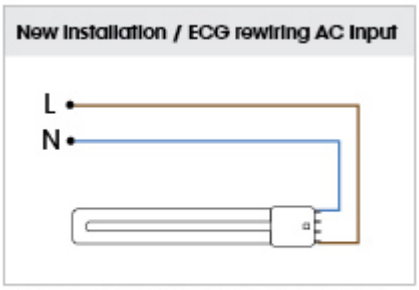
Diagrams

Dimensions:



(Unit : mm)	(L)		(W)		(H)
8W	230	x	44	x	24
12W	320	x	44	x	24
18W	410	x	44	x	24
20W	530	x	44	x	24
24W	530	x	44	x	24

Circuits:



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

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Tel: (852) 2511 0022 Fax: (852) 2511 0082 Web: www.prosperitylamps.com Email: info@prosperitylamps.com

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Standards

Applications

Home
Office
Shopping mall
Hotel
Restaurant
Parking
School
Warehouse
Hospital
Gallery
Museum

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]	8W / 12W / 16W / 20W / 24W
On-mode Power [W]	8W / 12W / 16W / 20W / 24W
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	70 / 104 / 139 / 174 / 209
Model	
LED PLL/18-8W/AC/8XX/G	8W
LED PLL/24-12W/AC/8XX/G	12W
LED PLL/36-18W/AC/8XX/G	18W
LED PLL/40-20W/AC/8XX/G	20W
LED PLL/55-24W/AC/8XX/G	24W
Luminous Flux (Useful Luminous Flux) [lm]	

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8W	950lm @3000K
	975lm @4000K
	1000lm @6500K
12W	1450lm @3000K
	1475lm @4000K
	1500lm @6500K
18W	2200lm @3000K
	2250lm @4000K
	2300lm @6500K
20W	2450lm @3000K
	2500lm @4000K
	2550lm @6500K
24W	3100lm @3000K
	3200lm @4000K
	3300lm @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]	118-137
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 / 0.7 / 0.7 / 0.7 / 0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Length L [mm]	230 / 320 / 410 / 530 / 530
Width W [mm]	44
Height H [mm]	24
Base	2G11
Material	Glass
Standard Compliance	
CE-LVD	EN62560
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Environment	RoHS

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Mercury Content [mg]	0.0
Energy Class	3000K / 4000K / 6500K
8W	E / E / E
12W	E / E / E
18W	E / E / E
20W	E / E / E
24W	E / E / 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, 8W [W]	18W
Claim of Equivalent Power, 12W [W]	24W
Claim of Equivalent Power, 18W [W]	36W
Claim of Equivalent Power, 20W [W]	40W
Claim of Equivalent Power, 24W [W]	55W
Energy Consumption in on-mode [kWh/1000h]	8kWh / 12kWh / 18kWh / 20kWh / 24kWh

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