

LED PLL ECG

9W/14W/18W/22W/25W

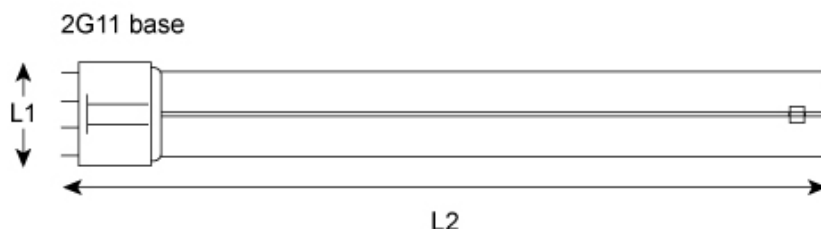
Features

- No-Re-wiring
- Energy saving with low power consumption
- Ideal retrofit PLL Fluorescent Lamp
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Compatible with most common electronic ballasts
- Refer to the ballast compatibility list
- Full glass body
- Suitable for direct retrofit to 1x, 2x electronic ballast
- Good color rendition, Ra ≥80



Diagrams

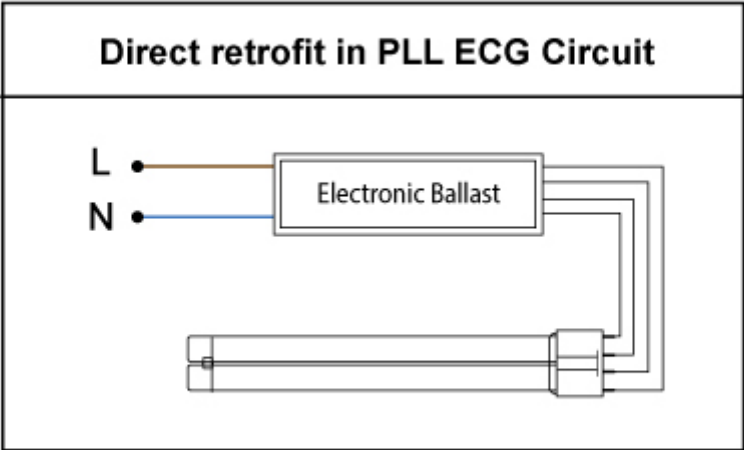
Dimensions:



(Unit : mm) (L1) (L2)

9W	43	x	217
14W	43	x	317
18W	43	x	411
22W	43	x	533
25W	43	x	533

Circuit:

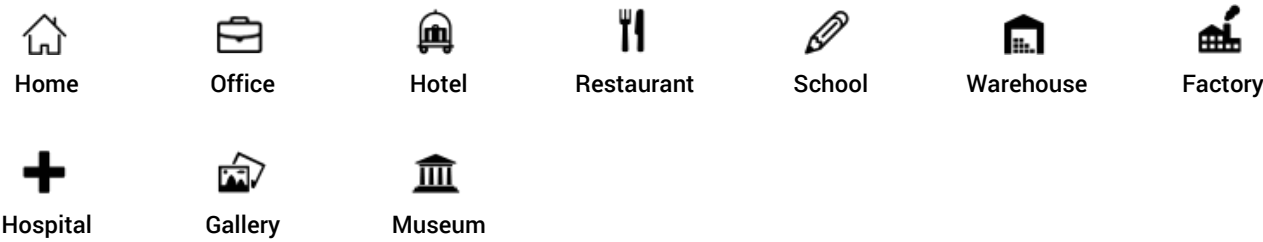


· Suitable for direct retrofit to 1x, 2x electronic ballast.

Standards



Applications



Technical Data	
Electrical	
Rated Wattage [W]	9W / 14W / 18W / 22W / 25W
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.95
Input Current [mA] @230V	41 / 64 / 82 / 101 / 114
LED	SMD
Model	

LED F9PLL/E/8XX/G	9W
LED F14PLL/E/8XX/G	14W
LED F18PLL/E/8XX/G	18W
LED F22PLL/E/8XX/G	22W
LED F25PLL/E/8XX/G	25W
Luminous Flux (lm)	
9W	950lm @3000K/4000K/5000K/6500K
14W	1450lm @3000K/4000K/5000K/6500K
18W	1850lm @3000K/4000K/5000K/6500K
22W	2250lm @3000K/4000K/5000K/6500K
25W	2500lm @3000K/4000K/5000K/6500K
Performance	
SDCM	<6
Efficacy [lm/W]	90-106
Color Rendering Index [Ra]	≥80
Beam Angle [°]	280
Rated Life, Ta@25°C [hrs]	40,000
Lamp Survival Factor at 6000hrs	>0.9
Lumen Maintenance at 6000hrs	>0.8
Number of Switching Cycles Before Failure	>15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Mechanical	
Diameter D [mm]	Φ43
Length L [mm]	217 / 317 / 411 / 533 / 533
Base	2G11
Material	Glass
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	A+
Other	
Dimmable [Y/N]	N
Operation Temperature [°C]	-20°C ~ 45°C
Storage Temperature [°C]	0°C ~ 35°C