

LED 2D 2PIN

8W/12W/16W

Features

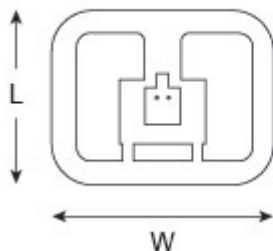
- Energy saving with low power consumption
- Perfect retrofit fluorescent 2D lamps in CCG circuits
- For direct connection with AC
- Instant full brightness
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Voltage: 220-240Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra ≥80



Diagrams

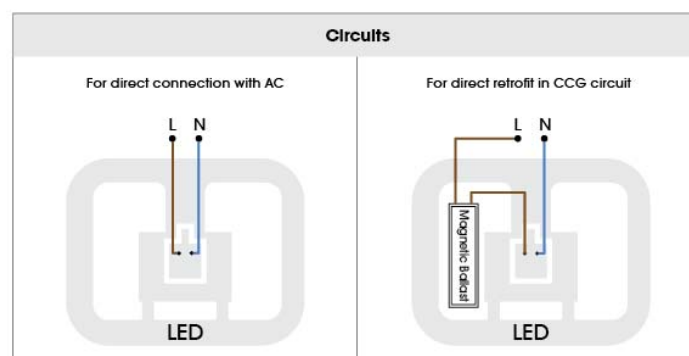
Dimensions:

GR8 base



(Unit : mm)	(L)	(W)	(H)
8W	128 x	150 x	24
12W	182 x	211 x	24
16W	182 x	211 x	24

Circuits:



Direct 220 - 240Vac input. Integral LED driver

Prosperity Lamps & Components Ltd.

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Standards



Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant

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
On-mode Power [W]	8W / 12W / 16W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.9
Input Current [mA] @230V	39 / 58 / 77

Model

LED TP 2D/16-8W/8XX/2P	8W
LED TP 2D/28-12W/8XX/2P	12W
LED TP 2D/38-16W/8XX/2P	16W

Luminous Flux (Useful Luminous Flux) [lm]

8W	825lm @2700K
	840lm @3000K
	840lm @3500K
	860lm @4000K
	880lm @6500K
12W	1235lm @2700K

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	1260lm @3000K
	1260lm @3500K
	1300lm @4000K
	1320lm @6500K
16W	1650lm @2700K
	1680lm @3000K
	1680lm @3500K
	1730lm @4000K
	1800lm @6500K
Performance	
SDCM	<6
Chromaticity coordinates [x, y]	0.463, 0.42@2700K / 0.44, 0.403@3000K / 0.408, 0.395@3500K / 0.38, 0.38@4000K / 0.312, 0.335@6500K
Efficacy [lm/W]	103-113
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	140
Rated Life, Ta@25°C [hrs]	25,000
Survival Factor	0.9
Lumen Maintenance Factor	0.96
Number of Switching Cycles Before Failure	>12,500
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.5 / 0.7
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Length L [mm]	128 / 182 / 182
Width W [mm]	150 / 211 / 211
Height H [mm]	24
Base	GR8
Material	PC
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	2700K / 3000K / 3500K / 4000K / 6500K
8W	F / F / F / F / E
12W	F / F / F / F / E
16W	F / F / F / F / E
Other	

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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]	16W
Claim of Equivalent Power, 12W [W]	28W
Claim of Equivalent Power, 16W [W]	38W
Energy Consumption in on-mode [kWh/1000h]	8kWh / 12kWh / 16kWh