

LED COB G4

1W/2W

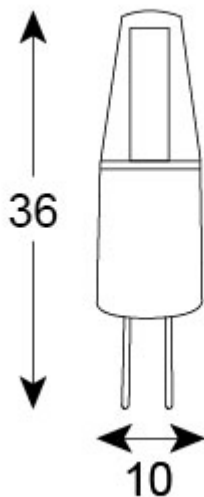
Features

- Extremely energy saving with low power consumption
- Ideal retrofit of traditional halogen lamps with compact size
- Suitable for operation with all magnetic transformers, LED drivers and most electronic ballasts
- Overall light distribution
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



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Standards



Applications

Home

Office

Shopping mall

Hotel

Supermarket

Restaurant

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]	NMLS
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]	1W / 2W
On-mode Power [W]	1W / 2W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	12-24V AC/DC, 50/60Hz
Power Factor	1
Input Current [mA] @12V	83 / 167
Input Current [mA] @24V	42 / 83
Model	
LED G4 COB-1W	1W (12-24V)
LED G4 COB-2W	2W (12-24V)
Luminous Flux (Useful Luminous Flux) [lm]	
1W	100lm @3000K
	105lm @6500K

2W	160lm @3000K
	170lm @6500K
Performance	
SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.312, 0.335@6500K
Efficacy [lm/W]	80-105
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	360
Rated Life, Ta@25°C [hrs]	25,000
Lamp Survival Factor	>0.9
Lumen Maintenance	>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]	N/A
Flicker Metric [Pst LM]	N/A
Stroboscopic Effect Metric [SVM]	N/A
Mechanical	
Diameter D [mm]	Φ10
Height H [mm]	36
Base	G4
Material	Silicon
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	F(1W) / G(2W)
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-10°C ~ 45°C
Storage Temperature	-10°C ~ 30°C
Claim of Equivalent Power, 1W [W]	12W
Claim of Equivalent Power, 2W [W]	18W
Energy Consumption in on-mode [kWh/1000h]	1kWh / 2kWh