

PRODUCT DATASHEET

HALOSTAR OVEN 20 W 12 V G4

HALOSTAR® OVEN | Low-voltage halogen lamps with pin base for oven lighting



Areas of application

- Baking ovens

Product benefits

- Two to three times the luminous efficiency of conventional oven lighting
- Optimum halogen content for high temperatures
- Tempered pins for reliable contact at high temperatures
- Suitable for pyrolysis (permissible ambient temperature 450 °C)
- Contains no mercury



TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	12 V
Operating mode	12V AC/DC
Nominal current	1.66 A
Type of current	AC/DC
Power factor λ	1.00

Photometrical data

Luminous flux	300 lm
Luminous efficacy	15 lm/W
Lumen main.fact.at end of nom.life time	0.85
Light color (designation)	Warm White
Color temperature	2900 K
Color rendering index Ra	100
Light color	1029
Standard deviation of color matching	≤ 6 sdc _m
UV protection	Yes



349619_HAL_IRC

Light technical data

Starting time	< 0.2 s
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Dimensions & Weight

Overall length	30.00 mm
Light center length (LCL)	22,0 mm

Diameter	8.00 mm
Maximum diameter	8 mm
Product weight	1.1 g

Temperatures & operating conditions

Ambient temperature range	-20...+450 °C
Maximum temperature at tc test point	450 °C

Lifespan

Lifespan L70/B50 at 25 °C	2000 h
Number of switching cycles	8000

Additional product data

Base (standard designation)	G4
Mercury content	0.0 mg
Mercury-free	Yes
Product remark	Heat-resistant up to 300°C / Lamp suitable for oven with high temperature self cleaning (Lamps must be switched off! Max. ambient temperature 450 °C) / For use in shielded luminaires only

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any

¹⁾ Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

Certificates & Standards

Energy efficiency class	G ¹⁾
Energy consumption	20.00 kWh/1000h
Standards	CE / EAC / UKCA

¹⁾ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

ILCOS	HSGST/C/UB-20-12-G4-10/22
Order reference	64428 OVEN 20W

LOGISTICAL DATA

Temperature range at storage	-20...+85 °C
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Energy labelling regulation data acc EU 2019/2015


Lighting technology used	HL
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	G4
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.0 W
Claim of equivalent power	No
Length	30.00 mm
Height	8.00 mm
Width	8.00 mm
Chromaticity coordinate x	0.444
Chromaticity coordinate y	0.406
R9 Colour rendering index	100
Beam angle correspondence	SPHERE_360
Survival factor	0.85
EPREL ID	714455,2194496
Model number	AC35319,AC68759


Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.
- Lamp to be used only in a closed luminaire.
- Not designed as a replacement for conventional lighting in private household.

DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	CE Declaration HAL LOW VOLT
	Declarations of conformity	HALOGEN HALOSTAR OVEN 12V G4

Documents and certificates		Document name
	Declarations of conformity UKCA	HALOGEN HALOSTAR OVEN 12V G4

Photometric and lighting design files		Document name
	Spectral power distribution	349619_HAL_IRC

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300308050	Folding box 1	23 mm x 25 mm x 70 mm	4.10 g	0.04 dm³
4099854491719	Shipping box 20	134 mm x 75 mm x 99 mm	118.00 g	0.99 dm³
4050300942322	Shipping box 40	144 mm x 107 mm x 121 mm	178.60 g	1.86 dm³
4099854491726	Shipping box 120	247 mm x 154 mm x 224 mm	935.00 g	8.52 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.