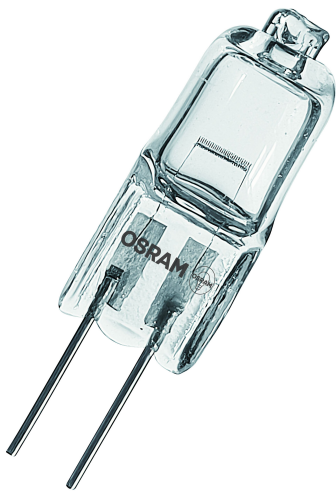


PRODUCT DATASHEET

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 | 1660 mA |
| 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 sdcm |
| UV protection | Yes |



349619_HAL_IRC

Light technical data

| | |
|---------------|---------|
| Starting time | < 0.2 s |
|---------------|---------|

Dimensions & Weight



| | |
|------------------|----------|
| Overall length | 30.00 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 above 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⁾ |
|----------|-------------------|

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

| | |
|-----------------|----------------|
| Order reference | 64428 OVEN 20W |
|-----------------|----------------|

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+85 °C |
|------------------------------|--------------|




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 | 2194496 |
| Model number | 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 | HALOGEN HALOSTAR OVEN 12V G4 |
|  | 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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854491733 | Folding box 2 | 20 mm x 49 mm x 95 mm | 11.00 g | 0.09 dm ³ |
| 4099854491740 | Shipping box 20 | 119 mm x 109 mm x 104 mm | 143.00 g | 1.35 dm ³ |
| 4099854491757 | Shipping box 160 | 256 mm x 236 mm x 237 mm | 1533.00 g | 14.32 dm ³ |

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.