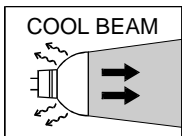
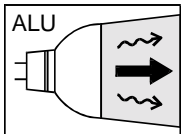
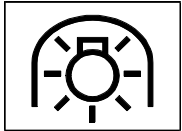
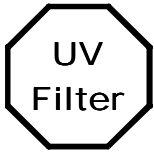
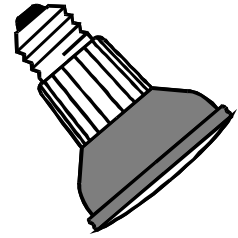


HALOPAR 20

Product characteristics:



- Halogen lamp for line voltage without need of transformer.
- 15% energy savings in comparison to conventional reflector lamps.
- Brilliant, white halogen light.
- Burner with UV-Filter glass. Meets the most stringent UV protection thresholds (NIOSH). Reduction of bleaching effect.
- Open operation permitted acc. to IEC 60598-1.
- Cut glass reflector optional in aluminium or cool-beam version.
Cool-beam reflectors carry off thermal radiation to the back of the lamp, so they are especially appropriate for illuminating thermally susceptible objects.



Range:

Order-code	Voltage	Wattage*	Luminous intensity	Beam angle	Lampe life	ILCOS-code
64832 SP (Alu)	230/240V	50W	3000 cd	10°	2000h	HAGS/UB-50-230-E27-64,5/10
64832 FL (Alu)	"	"	1000 cd	30°	"	HAGS/UB-50-230-E27-64,5/30
64836 SP (CB)	"	"	3200 cd	10°	"	HRGS/UB-50-230-E27-64,5/10
64836 FL (CB)	"	"	1100 cd	30°	"	HRGS/UB-50-230-E27-64,5/30

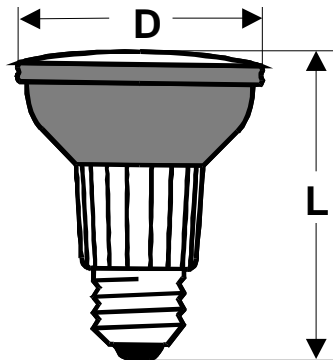
* Maximum permitted tolerance nominal value +8% acc. to IEC 60357.

HALOPAR 20

Light data:

Maintenance	Decrease of axial luminous intensity <20% after 75% of the nominal life time.
Colour temperature	ALU: 2800 K \pm 100 CB: 2800 K \pm 100
Bleaching effect	Reduce up to 80% (depending on the illuminated material) due to UV-absorbing glass.
Light distribution	OSRAM PHODAT database available on CD-ROM.

Geometry:



Values in mm	Desig.	HALOPAR 20
Overall length	L	max. 91,0 mm
Refl. diameter	D	max. 64,5 mm

Please note:



***Dimensions and tolerances are subject to change within the IEC regulations!
Not explicitly given dimensions cannot be evaluated out of measuring lamp samples!***

HALOPAR 20

Temperature behaviour:

	Cap temperature
Burning position	Base up
Max. permitted temperature acc. to 60432 - 1	210°C
Operating Temperature; free burning	
50W	160°C

Measurement conditions:

Measurement in the most unfavourable burning position for the lamp.

Surrounding temperature: 25°C (acc. to DIN 5032)

Voltage: 230V



Operating temperature for free burning use is not obliging and is useful for orientation only.

Operating conditions:

Burning position

any

Areas of application

HALOPAR 20 is **not** suitable for exterior use.

Dimmable

100%

Safety distance

Please observe the minimum safe distance given on the luminaire.

The minimum safety distance for each luminaire typ has to be determined through the luminaire manufacturer by appropriate measurements.



Environment

Friendliness:

HALOPAR 20 be disposed as household waste.

Standards:

All relevant IEC/DIN Standards are listed in the „Standards for halogen lamps“.

Validity:

These technical information sheets (TI-sheets) are updated in irregular intervals. The user is responsible to ensure that the information they have is up to date and still valid. Once a new TI-sheet has been issued, former editions are to be seen as invalid and disposed of.