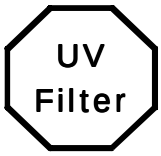
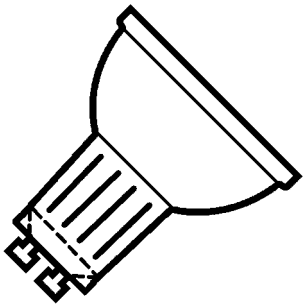
HALOPAR 16

Characteristics:



- Most compact mains voltage halogen reflector lamp
- Operation in open luminaires permitted acc. to IEC 60598-1
- Burner with UV-Filter-glass. Meets the most stringent UV-protection thresholds (NIOSH). Reduced bleaching effect
- Improved shock resistance with innovative pinch technology
- Integrated safety system
- Facetted aluminium- or cool-beam reflectors.
- Alu lamp with GU10 and E14 base. Cool-beam lamp with GZ10 base



Range:

Order code	Voltage	Wattage*	Luminous intensity	Beam angle	Base	Lampe life	ILCOS-Code
64822 FL (Alu)	240/230V	40W	650 cd	35°	E14	2000 h	HAGS/UB-40-230-E14- 51/35
64820 FL (Alu)	240/230V	35W	600 cd	„	GU10	„	HAGS/UB-35-230-GU10- 51/35
64824 FL (Alu)	240/230V	50W	950 cd	“	GU10	“	HAGS/UB-50-230-GU10- 51/35
64824 FL (Alu)	120V	50W	1000 cd	“	GU10	“	HAGS/UB-50-120-GU10- 51/35
64826 FL (CB)	240/230V	50W	900 cd	"	GZ10	"	HRGS/UB-50-230-GZ10- 51/35
64826 FL (CB)	120V	50W	950 cd	“	GZ10	“	HRGS/UB-50-120-GZ10- 51/35

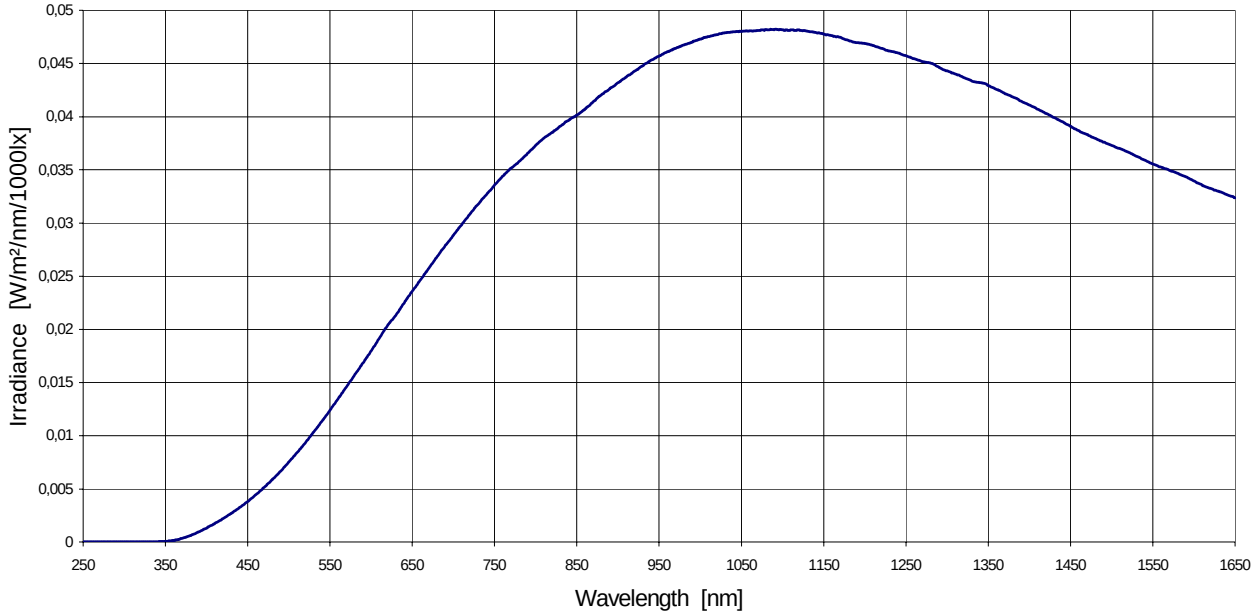
*Maximum permitted tolerance nominal value + 8% according to IEC 60357

Light data:

Maintenance Decrease of axial luminous intensity <15% after 75% of the nominal life time

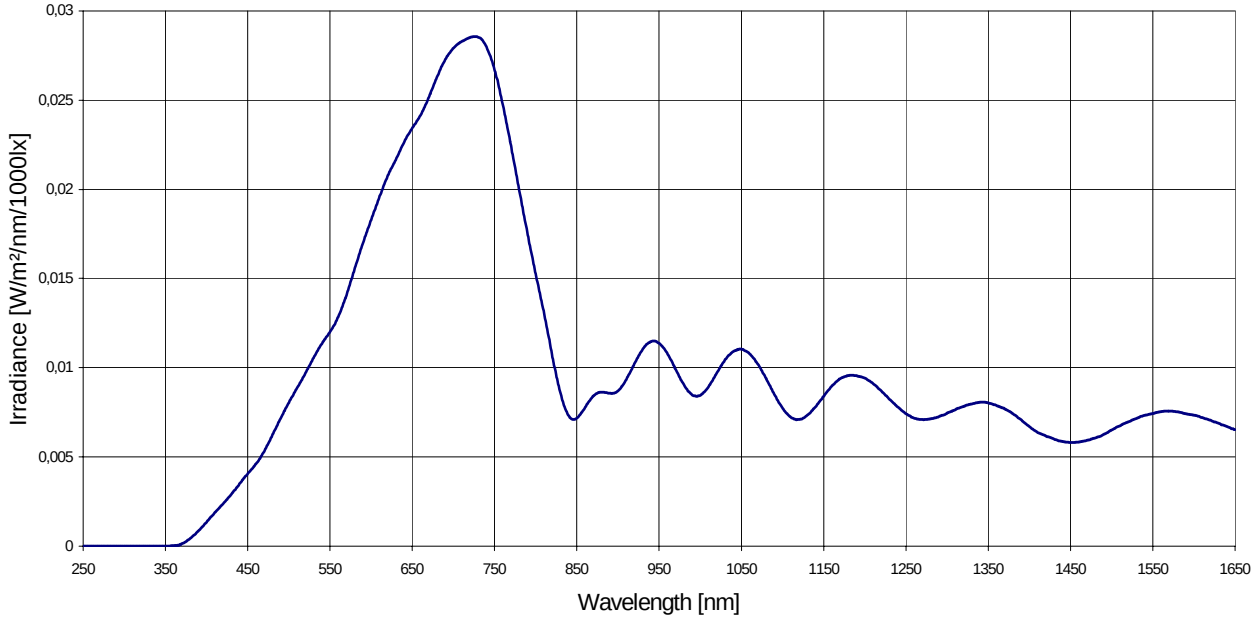
Colour temperature ALU: 2800 K ± 100
CB: 2900 K ± 100

64820FL / 64822FL / 64824FL (Aluminium coated)



Radiation distribution of 64824FL (Aluminium coated)

64826FL (Cool beam)



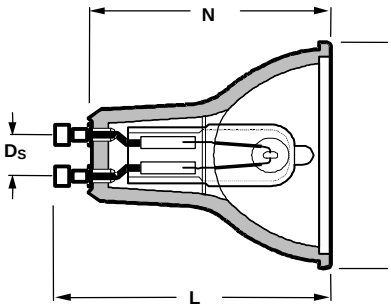
Radiation distribution of 64826FL (Cool beam)

UV-radiation The irradiance is clear below the NIOSH-threshold values for skin and eye.

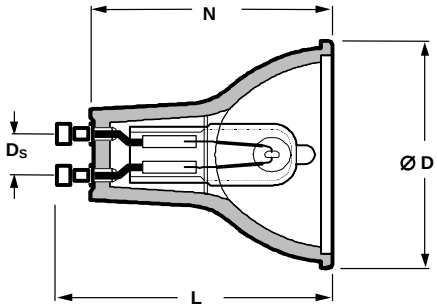
Due to the integrated cover pan the bleaching is clear reduced (depending on radiated material).

Light distribution Available on the Light programm CD-ROM, in the directory “Eulumdat”.

Geometry:

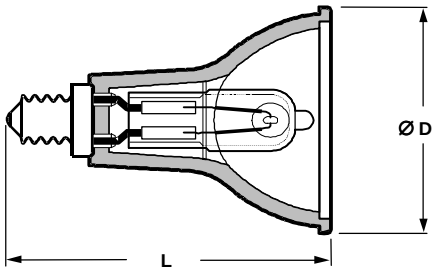


GU 10



GZ 10

Values in mm	HALOPAR 16 (GU/GZ10)	Nomin. IEC Norm
Distance of the pins D_s	10 ± 0,2	10
Overall length L	max. 55	-
Length of reflector N	max. 46	44 – 47,5
Diameter of reflector ∅ D	max. 50,7	49,4 – 50,7



Values in mm	HALOPAR 16 (E14)	Nomin. IEC Norm
Overall length L	max. 75	-
Diameter of reflector ∅ D	max. 50,7	49,4 – 50,7

Please note:
Dimensions and tolerances are subject to change within the IEC regulations! Not explicitly given dimensions cannot be evaluated by measuring lamp samples!

Temperature behaviour:

	Pinch	Pin	Rim of the reflector	Reflector (at the high of filament)	max. cap temperature (acc. to IEC 60432-1, Annex K)
Burning position	Base up	Base up	Base up	Base up	Base up
Max. permitted Temperature	370°C*	250°C	240°C	-	210°C
	Operating temperature; free burning				
ALU GU10 (50W)	320°C	140°C	-	150°C	-
CB GZ10 (50W)	310°C	120°C	-	165°C	-
ALU E14 (40W)	300°C	-	-	-	102°C

*Special foils in the pinch allow higher temperatures than IEC 60357.

Measurement conditions:
Measurement in the most unfavourable burning position for the pinch
Surrounding temperature: 25°C (acc. to DIN 5032)
Voltage: 230V

Operating temperatures for free burning use are not obliging and are useful for orientation only.

Operating conditions:

Burning position any

Areas of application For outdoor applications and operation in damp locations special approved fixtures are required.

Dimmable 100%

Safety informations According to IEC 60598-1/DIN VDE 0711 "minimum security distance" the max. temperature permitted is 90°C. This max. temperature has to be ensured by the minimum distance. This distance has to be determined through the luminaire manufacturer by appropriate measurements and specified on the luminaire.

Environmental sensitivity:

HALOPAR 16 can be disposed of as household waste.

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.