



Original size

# Tiny stars take centre stage

Presenting MINISTAR®, the world's  
smallest halogen reflector lamp

SEE THE WORLD IN A NEW LIGHT

**OSRAM**

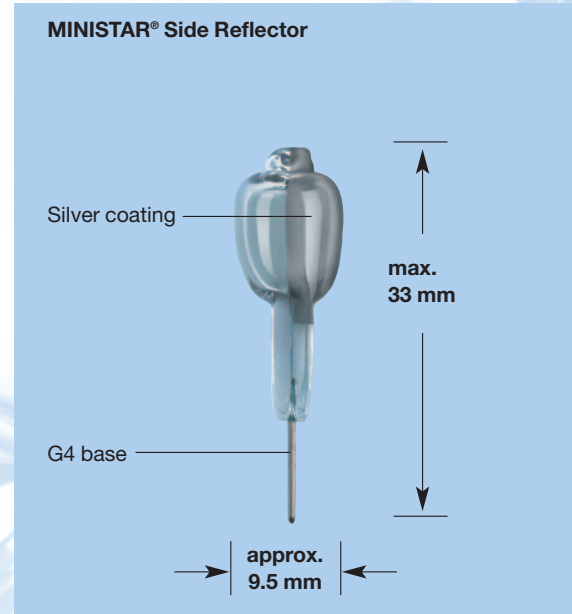
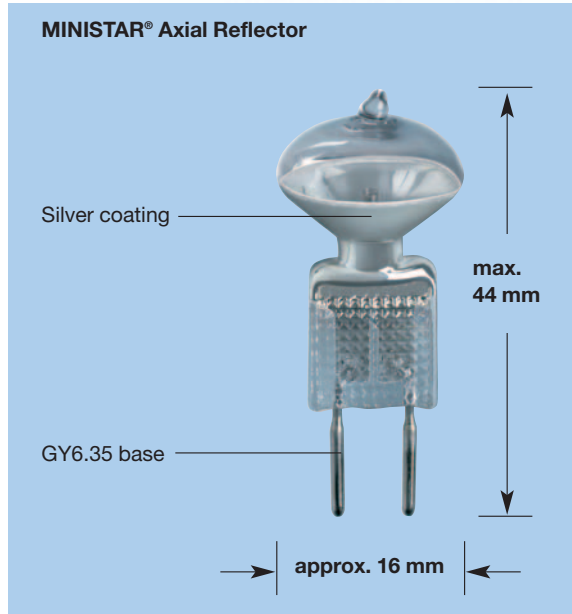


# The mini star with the mega impact

When MINISTAR® takes the stage, the curtain rises on a whole new world of luminaire and furniture design. For the first time on a halogen reflector lamp, the reflector is integrated in the pin-base lamp itself. The secret is a silver high-tech coating that not only looks brilliant but also reduces the thermal load in the luminaire.

## An all-round talent with a bright future

MINISTAR® with its G4/GY6.35 base will not only fit in existing halogen luminaires, it will be a natural choice for the luminaires of tomorrow. Since its launch at light+building 2004, numerous luminaire manufacturers have created new and innovative designs around it. Classic, minimalist, functional or playful – with MINISTAR® anything is possible.



## MINISTAR® in the spotlight

Following its award-winning debut at the ZOW 2004 trade fair, the MINISTAR® Side Reflector was the star at light+building 2004, sharing the limelight with the MINISTAR® Axial Reflector. At this international trade fair for architecture and technology, the technical and financial press were unanimous in their enthusiasm for this tiny sensation. Journalists from "Elektro Markt", "Frankfurt daily", "Leuchten pro-in" and "Welt am Sonntag" all agreed that the MINISTAR® was the highlight of the year.

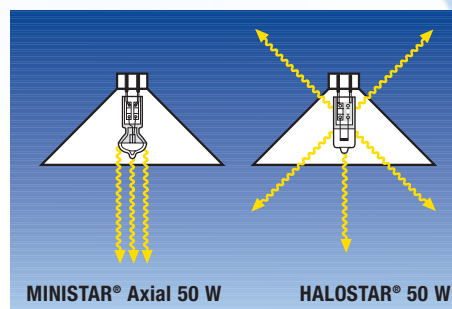
## Axial? Radical!

The MINISTAR® Axial Reflector leaves even the experts gasping. Not only does the integrated reflector bundle the light but MINISTAR® is also considerably smaller than other reflector lamps, so it provides the ideal basis for a new generation of small and stylish halogen luminaires. Good examples include living room lights, recessed ceiling lights and flexible lighting systems which can all now be made much smaller.



Photo: BRUCK GmbH & Co. KG, Herne

*Design in a new dimension. MINISTAR® is much smaller than conventional halogen reflector lamps, making it ideal for small stylish luminaires*



*Straight to the point. The integrated reflectors focus the light even more for perfect lighting effects*

## The Side Reflector presents furniture in the right light

MINISTAR® Side Reflector lets furniture designers create brilliant spots of light and make furniture appear more attractive through the use of rectangular illumination.



Photo: Bankamp-Leuchten GmbH, Arnsherg



Photo: Simon & Schelle GmbH & Co. KG, Sundern



Photo: buschfeld design gmbh, Köln

## Something for designers to reflect on

MINISTAR® Side Reflector makes the luminaire reflector superfluous because the lamp is inserted directly into the holder. Luminaires can therefore be made much more compact. Thanks to its integrated reflector, MINISTAR® supports the trend towards furniture luminaires with as low a profile as possible. How about a table light that's not much thicker than a pencil, for example? With MINISTAR® anything is possible.



Photo: OLIGO Lichttechnik GmbH, Hennef

## See your luminaires in a new light

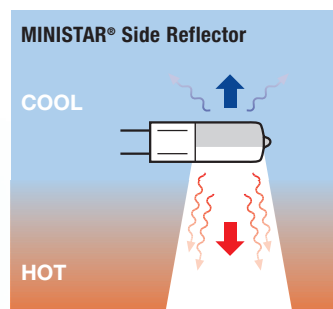
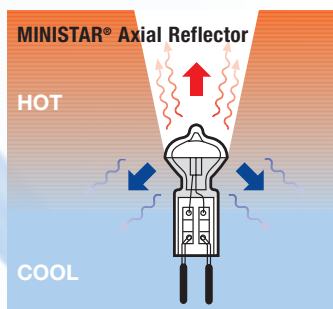
The MINISTAR® Side Reflector also provides a whole new lighting experience in conventional luminaires. With their G4 base, they can be easily fitted in conventional recessed luminaires. In no time at all you'll have a unique, brilliant rectangular spotlight.

## Highlights in brief

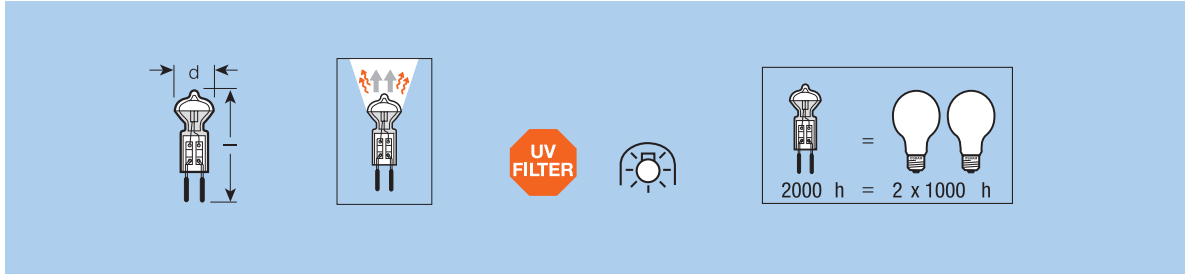
The benefits of MINISTAR® Axial and Side Reflector at a glance:

- Long life of 2,000 hours
- Special coating for reduced thermal load in the luminaire
- Approved for use in open luminaires in accordance with IEC 60598-1
- UV filter
- Dimmable
- Colour temperature of 3,000 K

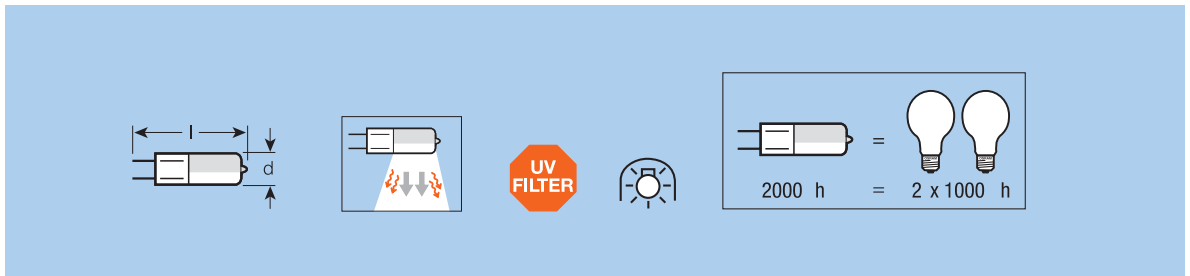
*Cool! The integrated high-tech coating acts as a highly efficient reflector that directs light and heat forwards*



# Technical Data



Type	MINISTAR® with axial reflector, Ø 16 mm, low-pressure design		
Product reference	50020	50035	50050
Product number	4050300987217	4050300987224	4050300987231
Rated wattage	20 W	35 W	50 W
Voltage	12 V	12 V	12 V
Beam angle	approx. 20°	approx. 30°	approx. 30°
Luminous intensity	approx. 800 cd	approx. 1,000 cd	approx. 1,400 cd
Base	GY6.35	GY6.35	GY6.35
Diameter d	approx. 16 mm	approx. 16 mm	approx. 16 mm
Length l (max)	44 mm	44 mm	44 mm
Average life	2,000 h	2,000 h	2,000 h
Standard pack	40 pcs.	40 pcs.	40 pcs.



Type	MINISTAR® with side reflector, low-pressure design	
Product reference	50110	50120
Product number	4050300987248	4050300987255
Rated wattage	10 W	20 W
Voltage	12 V	12 V
Beam angle	approx. 35°/60°	approx. 35°/60°
Luminous intensity	approx. 90 cd	approx. 180 cd
Base	G4	G4
Diameter d	approx. 9.5 mm	approx. 9.5 mm
Length l (max)	33 mm	33 mm
Average life	2,000 h	2,000 h
Standard pack	40 pcs.	40 pcs.

