

**ARF -**

**Brilliant quality down to the last detail**



***Hera***<sup>®</sup>  
Light Years Ahead.

# Form, function and material – the right combination for the best product

Light is something we take for granted: a touch of the switch and there it is. It is only when we find ourselves in the dark once again that we think about the quality of our luminaire and wish we had bought something more reliable. But what quality features should we look for, what are the details which ensure a long and efficient life?

Even the most stunning design is of little use if the spot overheats and splits the timber in which it is mounted – or it even falls out of the cavity because the clamp has worn out. If an inferior lamp blows yet again and is difficult to replace, this usually means that the lamp holder is also damaged. In this case the new lamp makes contact for only for a short time before it too ceases to function. By this time at the latest we know what to look for when buying a luminaire – quality down to the last detail.

Hera's ARF is not only an example of such detailed design and quality, but it also convinces with its stylish appearance.



## Foolproof lamp replacement

It is so simple to release the inner ring with the lens from the casing: use two fingers to press the two catches together and remove the ring, leaving the halogen lamp within easy reach. This can then be pulled out of its holder with two fingers. Replace the lamp, insert the inner ring with lens again and snap into place – done.

Working over the head doesn't present a problem, either. Nothing gets jammed or caught, nothing gets worn out, nothing gets scratched – and all without tools. Even after many lamp replacements, still as safe and as easy as the first time.



1. Release cover



2. Remove cover



3. Replace lamp



## The luminary among lamps

We use OSRAM HALOSTAR STARLITE® lamps exclusively, because:

- with an average life of 4000 hours they are far superior to most conventional lamps. When used for 3 hours a day, the lamp needs to be replaced only once every 4 years
- their UV filter technology appreciably reduces bleaching caused by UV (IEC 60432)

- their rounded and lavishly coated contact pins also protect the holder from corrosion
- thanks to their low pressure technology they are also approved for operation in luminaires without protective cover.
- their luminous flux is optimized throughout their entire life.

A good lamp in a top quality holder thus becomes a luminaire which is a source of constant satisfaction.

## For a secure hold ...

Halogen lamp holders are exposed to extreme pressures from high electrical currents, great heat and thermal expansion over long periods of time.

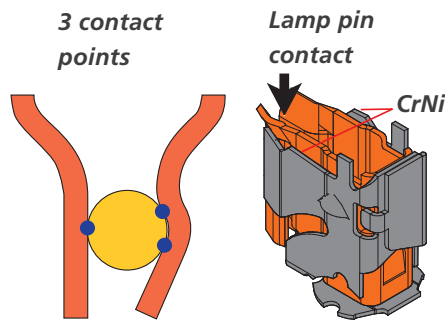
To ensure trouble-free functioning, even after several lamp replacements, we use only top-quality holders which are tested and approved according to the most stringent requirements.

Their special features include:

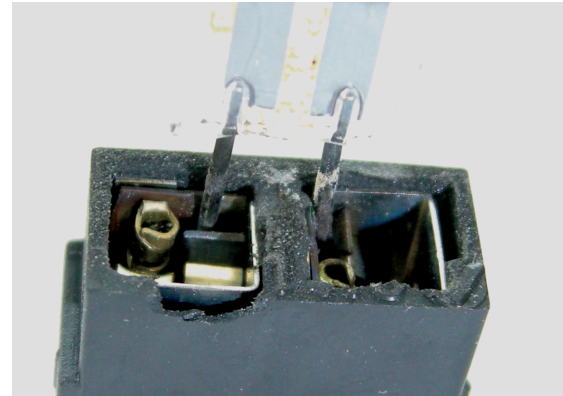
- secure fitting of the halogen lamp in the holder
- stable and consistent contact between the lamp pins and holder to avoid damage due to burned pins and holders.

The lamp is still easy to remove, even after a long working life.

- reliability of electrical contact due to 3 contact points
- optimal contact pressure thanks to the CrNi steel casing and
- high resistance to heat and heat dissipation



ARF with quality holder



Charred conventional holder

## For the best light reflection ...



The reflector is made of high-reflectance aluminium. It engages at only four points, and is therefore almost floated suspended, allowing adequate air circulation.

The heat build-up is therefore evenly disseminated and dissipated to the surrounding area.

## Rays with minimal radiation



No need to worry about any remaining UV rays. The hardened cover glass reduces these by up to a further 80%.

# Good lighting needs a secure casing

The material used to manufacture the casing in an injection moulding process must be highly heat resistant, retain its shape at all temperatures without becoming brittle. Ultem®, a polyetherimide, is the name of the high-tech synthetic material which meets all these demands. The three catches are guaranteed not to wear out, even after years

of use, and hold the casing securely under tension in its cavity. Their stable construction and barbed hooks on the side hold them firmly even when under tension and exposed to heat. Conventional spots are held by only two catches, which work loose after being exposed to heat for only a short period of time (see diagram above).



2 unstable catches

ARF with 3 catches and heat-resistant casing

# When things get hot, dissipate the heat

The aluminium plate absorbs the heat build-up from the insulating air space and dissipates it throughout the entire blind hole, in order to release it to the

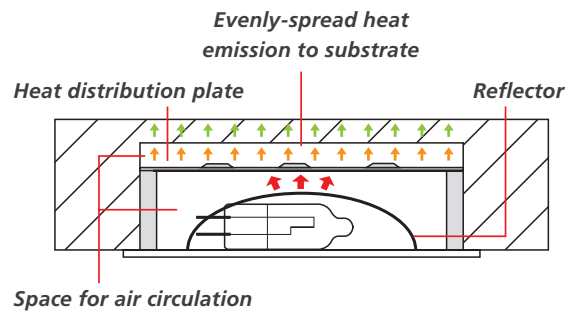
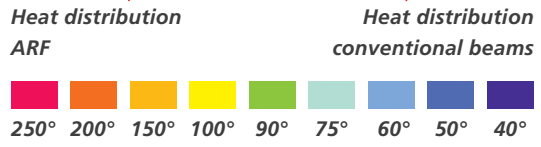
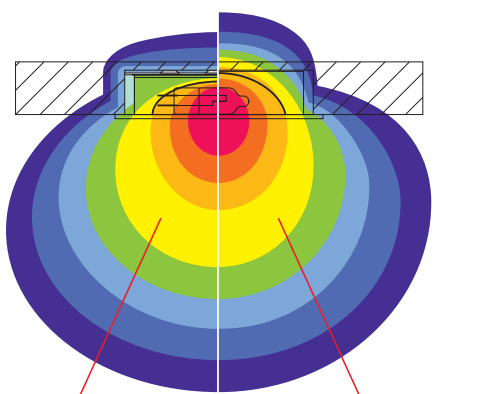
substrate at a comfortable temperature. It thus prevents the heat from concentrating on a single point (see diagram right) and causing the wood to split.



ARF with heat distribution plate



Reflector mounting with hollow rivet (heat transfer at only one single point)





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