

EUROPEAN DESIGN COMPETITION "LIGHTS OF THE FUTURE"

Name of Luminaire	<i>Omnilight</i>
Design Category	<i>Ceiling / Floor</i>
Dimensions of Luminaire	<i>Closed (h d w in mm): 1105 x 375 x 60 , diam. 375 Opened: 1060 x 555 x 60, diam. 375</i>
Type of Lamp, Wattage	<i>2-pins Osram Dulux S G23 9W/41-827, Dimensions 164x32x17.5mm</i>
Class of Ballast Used	<i>Magnetic D7911-22.2-3 230V/ 50Hz, Class A</i>
Main Production Materials	<i>Working Prototype: perspex, aluminium, silver grey and crème coloured coating. The real luminaire is made of sand-blasted metal (aluminium or stainless steel), also the system inside the luminaire is made out of metal. The outside of the shells are sand-blasted. The inside is enamelled and crème coloured. The shell (fixed at the ceiling) is also made of aluminium.</i>
Intended Target Market	<i>Middle consumer market</i>
Estimated Production Cost in Euro	<i>20 Euro (depends on number of products)</i>
Estimated Retail Price Class in Euro, excluding pin-based bulb and value added tax	<i>70 Euro</i>

Product Description:

The luminaire is especially designed for energy-saving bulbs. It uses the qualities of these lamps in it's advantage and it solves all the possible shortcomings of these lamps regarding to glow-lamps. One quality of the energy-saving bulbs is that they can be placed in a closed luminaire because they don't become very hot and therefore won't break. This quality is used in this luminaire. The shortcomings of these lamps are that they shine very bright and that they are not dimmable. The amount of light can't be changed to the user's need. The Omnilight is inspired by the Total Eclipse; During the Total Eclipse the sun still shines as bright as normal, but the light gets blocked by the moon and it becomes darker. In fact the luminaires uses the same technique. When the luminaire is totally closed the light gets blocked from all sides. Only at the border of the shells a small amount of light escapes out of the luminaire and forms a sort of Corona (same as during the Total Eclipse). When more light is desirable, the user can easily pull the shells out of each other. The light will turn on when the shells get opened (even a bit) and switches off when the luminaire is fully closed again.

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