

## PRESS INFORMATION

### **Elegant luminaire with robust technology**

#### **The new surface mounted ceiling luminaire MERKUR LED**

Surface mounted ceiling luminaires are always a required tool if the light should be seamlessly integrated into the architectural structure. While the luminaire is concealed in the intermediate space of the ceiling, the lighting effect has its grand performance. NORKA offers a tool for such elegant lighting applications with the MERKUR LED. Thanks to IP65 protection rating and protection class II, the spotlight can also be installed in conditions other products cannot cope with. With its polymer housing, MERKUR LED has a particularly low weight, which allows installation in areas where standard solutions made of cast aluminium would reach their limits.

#### **A lot more energy-efficient, reduced maintenance**

MERKUR surface mounted ceiling luminaires have been part of the NORKA portfolio for quite a while. Now, the lighting expert launches an LED version that is a lot more energy-efficient but ensures the same lighting precision. MERKUR LED boasts a light efficiency of up to 170 lm/W. With a connection value of only 28 W, the luminaire is an equivalent replacement for downlights with a conventional 70 W metal halide lamp. However, "equivalent" is not quite right, as with a service life of 60,000 hours (L80B10), the LED light sources also ensure considerably reduced maintenance costs. Exchanging the lamps on a regular basis, as with HIT spotlights, is not necessary any more.

#### **Easy changeover for all sizes**

The three sizes of the conventional MERKUR range are now replaced by the LED model which corresponds to the introduced size 1 (ceiling cut-out diameter 170 mm). Adapter rings are provided for replacement of existing size 2 and 3 MERKUR luminaires. They are available in black and white for installation openings with a diameter of 200 mm and 250 mm. Therefore, LED changeovers without any changes to the existing structure are possible and facility operators can benefit from noticeable cost savings.

#### **Light weight with special qualities**

MERKUR LED comes with interesting features not only for changeover projects, but also for new installations. For example, NORKA relies on weather-proof, fibreglass-reinforced polymer for the luminaire housing so that with 2.2 kg the luminaire is a lot lighter than comparable surface mounted ceiling luminaires with metal housings. For some installation solutions, especially when a high number of luminaires is to be installed, this can be a critical factor. The transformer is integrated into a separate housing. It is supplied ready for connection with a 1.5 m long cable. The total height of MERKUR LED is 155 mm.

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On the room side, the luminaire is covered with a single pane safety glass that is retained by a polymer frame with easy to install snap lock. A sealing system made of non-ageing, form-retaining silicone / synthetic rubber reliably seals the inside of the luminaire. MERKUR LED has IP65 protection rating and is therefore dust-proof and protected against water jets. Regarding electrical safety, protection class II is met. Moreover, an over-voltage indicator for up to 2 kV is integrated which can be upgraded to 4 kV.

### Wide range of application

With this kind of equipment, MERKUR LED has everything that can be expected from a NORKA luminaire. The expert for illumination solutions in difficult environmental conditions has decades of experience in the development and production of particularly robust, long lasting and efficient luminaires. With its high protection rating and a temperature range of -15 °C to +40 °C, MERKUR LED is suitable for various areas of application from architectural to functional lighting tasks. Railway station concourses, multi-storey car parks, colonnades and passages, underpasses or covered transport areas are just a few examples. NORKA also offers a swimming pool version for the use in chlorine-containing environments.

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### MERKUR LED surface mounted ceiling luminaire



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