

## Suppliers name

**Hagen Deutschland GmbH & Co.KG**  
**Lehmweg 99-105 D-25488 Holm**

## Product

| Itemnumber                     | Item description |  |                         |
|--------------------------------|------------------|--|-------------------------|
| Light source type              |                  |  |                         |
| Lighting technology used       |                  |  |                         |
| Non-directional or directional |                  | <b>NDLS</b>                            | <b>DLS</b>              |
| Mains or non-mains             |                  | <b>NMLS</b>                            | <b>MLS</b>              |
| Connected light source (CLS)   |                  | <b>Yes</b>                             | <b>N No</b>             |
| Color-tuneable light source    |                  | <b>Yes</b>                             | <b>No</b>               |
| Envelope                       |                  | <b>no</b>                              | <b>second non-clear</b> |
| High luminance light source    |                  | <b>Yes</b>                             | <b>No</b>               |
| Anti-glare shield              |                  | <b>Yes</b>                             | <b>No</b>               |
| Dimmable                       |                  | <b>Yes, only with specific dimmers</b> | <b>No</b>               |

## Product parameters

|  |                        |              |              |  |
|--|------------------------|--------------|--------------|--|
| Energy consumption in on mode (kwh/1000h)                            |                        |              |              | <b>(kwh/1000h)</b>                       |
| Energy efficiency class  |                        |              |              | <b>will be calculated automatically!</b> |
| Useful luminous flux   |                        |              |              | <b>lm</b>                                |
| Correlated color temperature   |                        |              |              | <b>K</b>                                 |
| On-mode power ( $P_{on}$ )   |                        |              |              | <b>W</b>                                 |
| Standby power ( $P_{sb}$ )   |                        |              |              | <b>W</b>                                 |
| Network standby power ( $P_{net}$ )                                  |                        |              |              | <b>W</b>                                 |
| Color rendering index  |                        |              |              | <b>Ra</b>                                |
| Outer dimensions   | <b>Height</b>          | <b>Width</b> | <b>Depth</b> | <b>mm</b>                                |
| Spectral power distribution in the range 250nm to 800nm at full-load |                        |              |              | <i>(Graph)</i>                           |
| Claim of equivalent power  | <b>Yes -&gt; Value</b> | <b>W</b>     | <b>No</b>    |  |
| Chromaticity coordinates (x and y)                                   | <b>X=</b>              | <b>Y=</b>    |              |  |

| Parameters for directional light sources   |  |
|--|--|
| Peak luminous  | cd   |
| Beam angle in degrees or the range of beam angles that can be set  |  |
| Parameters for LED and OLED light sources  |  |
| R9-color rendering index value   |  |
| Survivalfactor   | h  |
| Lumen maintenance factor   | h  |
| Parameters for LED and OLED mains light sources  |  |
| Displacement factor (cosφ 1)   |  |
| Color consistency in McAdam-Ellipses   |  |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage | <p><b>Yes = replacement claim</b>      <b>W</b></p> <p><b>No</b></p> |
| Flicker metric (Pst LM)  |  |
| Stroboscopic effect metric (SVM)   |  |
|  |  |