

# Product datasheet

Surface mounted ceiling lamp, Helen II 3 colour, silver, 220-240V AC/50-60Hz, 19,00 W, warm white + neutral white + coldwhite

## Technical Data

### General Characteristics

|                      |   |
|----------------------|---|
| Material             | plastic / polycarbonate                                   |
| Colour               | silver / white  |
| Optics               | brushed / frosted   |
| included in delivery | 2x screws with dowels<br>lightcolor selectable dip-switch |



### Electrical Characteristics

|                             |                             |
|-----------------------------|-----------------------------|
| Power / power consumption   | 19,00 W / 20,00 W           |
| Input voltage               | 220-240V AC/50-60Hz         |
| Input current               |                             |
| Base (standard designation) |                             |
| Number of bases             |                             |
| Power supply unit           | incl. LED-power supply unit |
| Electronically reversible   | not dimmable                |
| Connection possibility      | clamp                       |
| Protection class I, II, III | II                          |

### Light Technical Data

|                             |  |
|-----------------------------|--|
| Bulb                        | LED-module fixed                       |
| Colour Designation          | warm white + neutral white + coldwhite |
| Colour temperature          | 3000/4100/5500 K                       |
| Luminous flux               | 1800 lm                                |
| Beam angle                  | 115°                                   |
| LED type                    | SMD                                    |
| LED quantity                | 120                                    |
| Spectral power distribution |  |



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## Light Direction

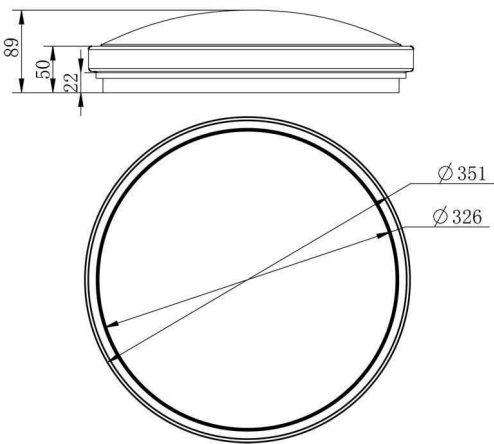
|                            |  |
|----------------------------|--|
| Rotating and tilting range |  |
| Angle of inclination       |  |
| Radiation direction        |  |
| Reflector / lense          |  |

## Dimensions & Weight

|                          |        |
|--------------------------|--------|
| Length                   | 0,00   |
| Width                    | 0,00   |
| Height                   | 89,00  |
| Diameter                 | 351,00 |
| Suspensions from ceiling | 0,00   |
| Product Weight           | 919 g  |

## Base dimensions

|          |        |
|----------|--------|
| Length   | 0,00   |
| Width    | 0,00   |
| Height   | 22,00  |
| Diameter | 326,00 |



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## Absolute maximum ratings

The LED will get damaged and the lifetime will decrease when you overrun absolute maximum ratings.

|                     |               |
|---------------------|---------------|
| Working temperature | -20°C - +40°C |
| Storage temperature | -20°C - +50°C |
| IP - Code           | IP54          |




## General product data

### Environmental Characteristics

|                    |              |
|--------------------|--------------|
| Energy label       |              |
| Energy consumption | 20 kWh/1000h |

### Lifespan

|                                 |         |
|---------------------------------|---------|
| Lamp life time                  | 30000 h |
| Luminous flux (end of lifetime) | 0,70    |
| Number of switching cycles      | 15000   |

|   |   |
|---|---|
| IP54  | Protection against penetration of dust. (dust protected) Protection against penetration of splashing water.   |
|  | Lightings of Protection Class II in which the protection against electric shock is not based solely on the insulation, but additional safety precautions such as additional or reinforced insulation are provided. There are no provisions for the connection of an equipment grounding conductor exists, yet underlying the protection of the facility conditions. |
|  | Because of the complex manufacturing process of the LED the above shown data are just a statistical size, which is not forced to be the realistic data of every LED.  |
|  | The light source of this luminaire may only be replaced by the manufacturer or by a service technician appointed by him or by a comparable qualified person   |