

## Insaver HO Topper LED II 175 RO 15W WW 3033936



### Features

- IP44 from the front round LED downlight with outputs of up to 2,289lm and an efficacy of up to 99lm/W. Polycarbonate diffuser with a white bezel. Shallow recess depth (<65mm). Available in 12, 15, 21 & 25W in 150mm, 175mm, 205mm & 225mm cut out sizes. Perfect for up to 2x26W CFL replacement. Includes loop-in loop-out facility for quick installation.

### Product Overview

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Product name                    | Insaver HO Topper LED II 175 RO 15W WW |
| Technology                      | LED                                    |
| Housing                         | Aluminium                              |
| Mount                           | Ceiling recessed mounting              |
| Environment                     | Interior                               |
| General application             | Hospitality                            |
| ETIM Class                      | EC001744                               |
| E-number SE                     | 7465676                                |
| Fixture luminous flux (lm)      | 1367                                   |
| Luminaire efficacy (lm/W)       | 91                                     |
| LOR (%)                         | 100                                    |
| Colour temperature (K)          | 3000                                   |
| Light colour                    | Warm White                             |
| CRI (Ra)                        | 80                                     |
| Colour Variation Initial (SDCM) | 3                                      |
| Beam Angle (°)                  | 74                                     |
| Glare control                   | < 24                                   |
| Photobiological Risk Group      | RG0                                    |
| Total power consumption (W)     | 15                                     |
| Electrical protection           | Class II                               |
| Control gear type               | LED driver constant current            |
| Dimmable                        | No                                     |
| LED Flickering Rate             | Ultra low (5% or less)                 |

## Insaver HO Topper LED II 175 RO 15W WW 3033936

|                    |                         |
|--------------------|-------------------------|
| Housing colour     | RAL 9003 - Signal white |
| IP rating          | IP44/20                 |
| IK rating          | IK07                    |
| Product EAN number | 8711971339366           |
| Warranty           | 5 years                 |
| Dimming method     | N/A                     |

### Data table

#### GENERAL DATA

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Product name                            | Insaver HO Topper LED II 175 RO 15W WW |
| Technology                              | LED                                    |
| Housing                                 | Aluminium                              |
| Mount                                   | Ceiling recessed mounting              |
| Environment                             | Interior                               |
| General application                     | Hospitality                            |
| Operating temperature range (°C)        | -10°C...+25°C                          |
| Performance ambient temperature Tq (°C) | 25                                     |
| ETIM Class                              | EC001744                               |
| E-number SE                             | 7465676                                |
| Warranty                                | 5 years                                |

#### OPTICAL DATA

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 1367       |
| Luminaire efficacy (lm/W)       | 91         |
| LOR (%)                         | 100        |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | 3          |
| Adjustable chromaticity         | N          |
| Beam Angle (°)                  | 74         |
| Distribution type               | Symmetric  |

## Insaver HO Topper LED II 175 RO 15W WW 3033936

|                            |      |
|----------------------------|------|
| Glare control              | < 24 |
| Photobiological Risk Group | RG0  |

### ELECTRICAL DATA

|                                                                       |                             |
|-----------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                           | 15                          |
| Mains voltage (V)                                                     | 220-240V                    |
| Lamp power factor                                                     | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x % | 20                          |
| Electrical protection                                                 | Class II                    |
| Control gear required                                                 | No                          |
| Control gear type                                                     | LED driver constant current |
| Transformer required                                                  | Yes                         |
| Dimmable                                                              | No                          |
| Dimming method                                                        | N/A                         |
| Drive current (mA)                                                    | 390                         |
| Inrush Current (A)                                                    | 7.52                        |
| Inrush Duration ( $\mu$ s)                                            | 830                         |
| Glow Wire Test ( $^{\circ}$ C)                                        | 850                         |
| Energy Efficiency Class (A->G) of contained light source              | E                           |
| Nominal Frequency (Hz)                                                | 50/60Hz                     |
| LED Flickering Rate                                                   | Ultra low (5% or less)      |
| Max. Luminaires per 10A C Breaker                                     | 10                          |
| Max. Luminaires per 13A C Breaker                                     | 14                          |
| Max. Luminaires per 16A C Breaker                                     | 17                          |
| Max. Luminaires per 20A C Breaker                                     | 20                          |

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 74000  |
| Lifespan L90 B10 | 34000  |

### PHYSICAL DATA

## Insaver HO Topper LED II 175 RO 15W WW 3033936

|                                                   |                         |
|---------------------------------------------------|-------------------------|
| Housing colour                                    | RAL 9003 - Signal white |
| IP rating                                         | IP44/20                 |
| IK rating                                         | IK07                    |
| Diffuser finish                                   | Opal                    |
| Diffuser material                                 | PC Polycarbonate        |
| Reflector finish                                  | High-gloss              |
| Nominal Product Height (mm)                       | 55                      |
| Nominal Product Diameter (mm)                     | 195                     |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 175                     |
| Weight (kg)                                       | 0.537                   |
| Recessed Depth (mm)                               | 150                     |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 8711971339366  |
| Packaging single length / height (cm) | 22.7           |
| Packaging single width (cm)           | 22.9           |
| Packaging single depth (cm)           | 6.2            |
| DUN14 (outer)                         | 18711971339363 |
| Units per outer package               | 12             |
| Packaging outer length / height (cm)  | 48.1           |
| Packaging outer width (cm)            | 48.5           |
| Packaging outer depth (cm)            | 21.1           |

### SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Optimal operating condition (°C)    | -10-25 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |