

Features

- Insaver is a ceiling recessed LED downlight (IP54 from the front),Die-cast aluminium body, loop in loop out connector for quick installation, Non dimmable LED driver, 20W; 2350lm; 118lm/W; 3000K; UGR <19 with shallow product depth 65mm. Meets TP(a) requirements.

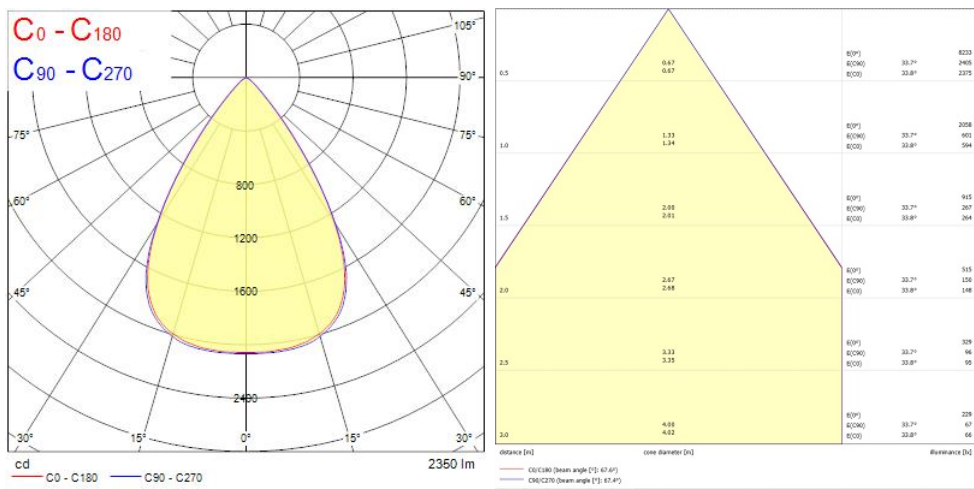
Product Overview

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Product name                      | INSAVER UGR19 IP54 200 2350 830 SQ |
| Technology                        | LED                                |
| Cap/Base                          | N/A                                |
| Housing                           | Aluminium                          |
| Mount                             | Ceiling recessed mounting          |
| General application               | Hospitality, Office, Retail        |
| ETIM Class                        | EC001744                           |
| E-number FI                       | 4278541                            |
| Fixture luminous flux (lm)        | 2350                               |
| Luminaire efficacy (lm/W)         | 118                                |
| Correlated colour temperature (k) | 3000                               |
| Light colour                      | Warm White                         |
| CRI (Ra)                          | 80                                 |
| Colour Variation Initial (SDCM)   | 3                                  |
| Beam Angle (°)                    | 70                                 |
| Glare control                     | < 19                               |
| Photobiological Risk Group        | RG1                                |
| Total power consumption (W)       | 20                                 |
| Electrical protection             | Class II                           |
| Control gear type                 | LED driver constant current        |

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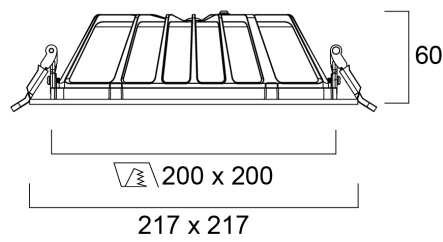
|                     |                        |
|---------------------|------------------------|
| Dimmable            | No                     |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour      | RAL9010                |
| IP rating           | IP54/20                |
| IK rating           | IK07                   |
| Product EAN number  | 5410288305127          |
| Warranty            | 5 years                |
| Dimming method      | N/A                    |

Photometry



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Technical drawings



Data table

GENERAL DATA

|                                  |                                    |
|----------------------------------|------------------------------------|
| Product name                     | INSAVER UGR19 IP54 200 2350 830 SQ |
| Technology                       | LED                                |
| Cap/Base                         | N/A                                |
| Housing                          | Aluminium                          |
| Mount                            | Ceiling recessed mounting          |
| General application              | Hospitality, Office, Retail        |
| Operating temperature range (°C) | -20°C...+40°C                      |
| ETIM Class                       | EC001744                           |
| E-number FI                      | 4278541                            |
| Warranty                         | 5 years                            |

OPTICAL DATA

|                                   |            |
|-----------------------------------|------------|
| Fixture luminous flux (lm)        | 2350       |
| Luminaire efficacy (lm/W)         | 118        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |

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|                                 |           |
|---------------------------------|-----------|
| CRI (Ra)                        | 80        |
| Colour Variation Initial (SDCM) | 3         |
| Beam Angle (°)                  | 70        |
| Distribution type               | Symmetric |
| Glare control                   | < 19      |
| Photobiological Risk Group      | RG1       |

### ELECTRICAL DATA

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 20                          |
| Primary Supply/Product voltage - min (V)                         | 220.0                       |
| Primary Supply/Product voltage - max (V)                         | 240.0                       |
| Lamp power factor                                                | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 20.0                        |
| Electrical protection                                            | Class II                    |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | No                          |
| Dimming method                                                   | N/A                         |
| Drive current (mA)                                               | 600                         |
| Inrush Current (A)                                               | 20                          |
| Inrush Duration (µs)                                             | 101                         |
| Energy Efficiency Class (A->G) of contained light source         | D                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 38                          |
| Max. products per 16A C Breaker                                  | 57                          |
| Max. products per 16A B Breaker                                  | 45                          |
| Connectable conductor cross section - Min (mm²)                  | 0.75                        |
| Connectable conductor cross section - Max (mm²)                  | 1.5                         |

### LIFETIME DATA

## INSAVER UGR19 IP54 200 2350 830 SQ 0030512

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L70 B20 | 100000 |
| Lifespan L70 B10 | 100000 |
| Lifespan L80 B50 | 100000 |
| Lifespan L80 B20 | 88000  |
| Lifespan L80 B10 | 80000  |
| Lifespan L90 B50 | 50000  |
| Lifespan L90 B20 | 43000  |
| Lifespan L90 B10 | 39000  |

### PHYSICAL DATA

|                             |                |
|-----------------------------|----------------|
| Housing colour              | RAL9010        |
| IP rating                   | IP54/20        |
| IK rating                   | IK07           |
| Diffuser finish             | Other          |
| Diffuser material           | None           |
| Reflector finish            | Not Applicable |
| Nominal Product Length (mm) | 217            |
| Nominal Product Width (mm)  | 217            |
| Nominal Product Height (mm) | 60             |
| Weight (kg)                 | 0.8            |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288305127  |
| Packaging single length / height (cm) | 25.0           |
| Packaging single width (cm)           | 25.0           |
| Packaging single depth (cm)           | 8.0            |
| DUN14 (inner)                         | 15410288305124 |
| Units per outer package               | 12             |
| Packaging outer length / height (cm)  | 51.5           |
| Packaging outer width (cm)            | 51.5           |
| Packaging outer depth (cm)            | 26.0           |

### SAFETY DATA



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|                                     |        |
|-------------------------------------|--------|
| Glow Wire Test (°C)                 | 850    |
| Optimal operating condition (°C)    | -20-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |