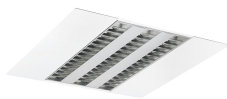
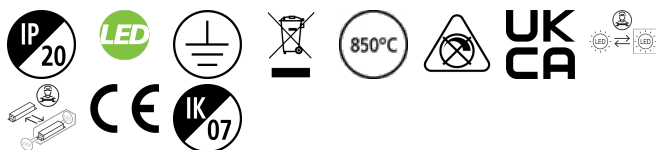


RANA LED Recessed 600  
RANA LED R 600 HO 3K LOUV+PRI W GEN2  
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Product features

- Ceiling Recessed LED Linear luminaire (lay-in), with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 595x595x60mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 570x285mm, Constant Current, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 4300lm, 40W, 108lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<19, Luminance at 65° < 3000 cd/m2, Lumen Maintenance: L90B10 at 50,000 hours, Glow Wire Test 850°C, Quick and easy electrical connection with direct access to push-connectors on top, 2 x metallic safety cables (1.5m) included, the luminaire can be covered with building insulation of Glass Wool type.



PRODUCT OVERVIEW

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Product name                    | RANA LED R 600 HO 3K LOUV+PRI W GEN2   |
| Technology                      | LED                                    |
| Cap/Base                        | N/A                                    |
| Housing                         | Steel                                  |
| Mount                           | Ceiling recessed mounting              |
| General application             | Education, Hospitality, Office, Retail |
| ETIM Class                      | EC002892                               |
| E-number FI                     | 4273764                                |
| Warranty                        | 5 years                                |
| Fixture luminous flux (lm)      | 4300                                   |
| Luminous flux (lm)              | 4300                                   |
| Luminaire efficacy (lm/W)       | 108                                    |
| Colour temperature (K)          | 3000                                   |
| Light colour                    | Warm White                             |
| CRI (Ra)                        | 80                                     |
| Colour Variation Initial (SDCM) | SDCM3                                  |
| Glare control                   | < 19                                   |
| Photobiological Risk Group      | RG0                                    |
| Total power consumption (W)     | 40                                     |
| Electrical protection           | Class I                                |
| Control gear type               | LED driver constant current            |
| Dimmable                        | No                                     |
| Housing colour                  | White                                  |
| IP rating                       | IP20                                   |
| IK rating                       | IK07                                   |
| Product EAN number              | 5410288524115                          |

DATA TABLE

|              |                                      |
|--------------|--------------------------------------|
| General data |                                      |
| Product name | RANA LED R 600 HO 3K LOUV+PRI W GEN2 |

## RANA LED Recessed 600

*RANA LED R 600 HO 3K LOUV+PRI W GEN2*

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|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Technology                              | LED                                    |
| Cap/Base                                | N/A                                    |
| Housing                                 | Steel                                  |
| Mount                                   | Ceiling recessed mounting              |
| General application                     | Education, Hospitality, Office, Retail |
| Performance ambient temperature Tq (°C) | 25                                     |
| ETIM Class                              | EC002892                               |
| E-number FI                             | 4273764                                |
| Warranty                                | 5 years                                |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 4300       |
| Luminous flux (lm)              | 4300       |
| Luminaire efficacy (lm/W)       | 108        |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM3      |
| Glare control                   | < 19       |
| Photobiological Risk Group      | RG0        |

### Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 40                          |
| Primary Supply/Product voltage - min (V)                 | 220                         |
| Primary Supply/Product voltage - max (V)                 | 240                         |
| Lamp power factor                                        | 0.95                        |
| Electrical protection                                    | Class I                     |
| Control gear required                                    | No                          |
| Control gear type                                        | LED driver constant current |
| Dimmable                                                 | No                          |
| Drive current (mA)                                       | 275                         |
| Inrush Current (A)                                       | 25                          |
| Inrush Duration (µs)                                     | 280                         |
| Glow Wire Test (°C)                                      | 850                         |
| Energy Efficiency Class (A->G) of contained light source | C                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |
| Max. products per 10A C Breaker                          | 23                          |
| Max. products per 13A C Breaker                          | 31                          |
| Max. products per 16A C Breaker                          | 40                          |
| Max. products per 20A C Breaker                          | 50                          |
| Max. products per 10A B Breaker                          | 14                          |
| Max. products per 13A B Breaker                          | 19                          |
| Max. products per 16A B Breaker                          | 24                          |
| Max. products per 20A B Breaker                          | 30                          |
| Connectable conductor cross section - Min (mm²)          | 2.5                         |
| Connectable conductor cross section - Max (mm²)          | 2.5                         |

## RANA LED Recessed 600

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### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 50000 |
| Lifespan L70 B10 | 50000 |
| Lifespan L80 B50 | 50000 |
| Lifespan L80 B10 | 50000 |
| Lifespan L90 B50 | 50000 |
| Lifespan L90 B10 | 50000 |

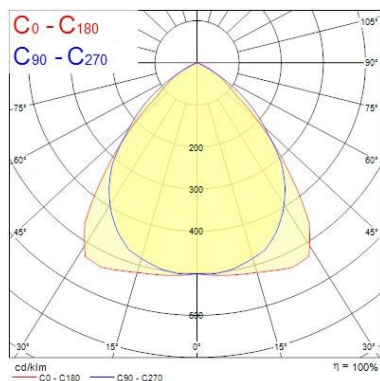
### Physical data

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | White            |
| IP rating                   | IP20             |
| IK rating                   | IK07             |
| Diffuser finish             | Prismatic        |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 595              |
| Nominal Product Width (mm)  | 595              |
| Nominal Product Height (mm) | 60               |
| Weight (kg)                 | 4.0              |
| Recessed Depth (mm)         | 120              |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288524115  |
| Packaging single length / height (cm) | 62.0           |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 65.0           |
| DUN14 (outer)                         | 05410288524115 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 62.0           |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 65.0           |

## PHOTOMETRY



| Distance [m]                        | Cone diameter [m] | Beam diameter [m] | Beam diameter [m] | Beam diameter [m] |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|
| 0.5                                 | 0.97              | 0.94              | 0.94              | 0.94              |
| 1.0                                 | 1.93              | 1.87              | 1.87              | 1.87              |
| 1.5                                 | 2.90              | 2.81              | 2.81              | 2.81              |
| 2.0                                 | 3.86              | 3.74              | 3.74              | 3.74              |
| 2.5                                 | 4.83              | 4.68              | 4.68              | 4.68              |
| 3.0                                 | 5.79              | 5.61              | 5.61              | 5.61              |
| Distance [m]                        |                   |                   |                   |                   |
| Cone diameter [m]                   |                   |                   |                   |                   |
| C0 - C180 (Half beam angle: 66.2°)  |                   |                   |                   |                   |
| C90 - C270 (Half beam angle: 66.0°) |                   |                   |                   |                   |
| Illuminance [lx]                    |                   |                   |                   |                   |
| 0.5                                 | 8612              | 1815              | 1815              | 1815              |
| 1.0                                 | 2183              | 454               | 454               | 454               |
| 1.5                                 | 987               | 179               | 179               | 179               |
| 2.0                                 | 638               | 101               | 101               | 101               |
| 2.5                                 | 344               | 55                | 55                | 55                |
| 3.0                                 | 239               | 45                | 45                | 45                |

**RANA LED Recessed 600**  
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**TECHNICAL DRAWINGS**

