

RANA LED Recessed 600 - SylSmart SSC  
RANA LED R 600 HO 4K LOUV+PRI SSC W GEN2  
0052517



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, Electric Class 1, Light Engine Dimensions: 570x285mm, SylSmart SSC Controlled, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 4500lm, 41W, 110lm/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 4K LOUV+PRI SSC W GEN2 |
| Technology                      | LED                                      |
| Cap/Base                        | N/A                                      |
| Housing                         | Steel                                    |
| Mount                           | Ceiling recessed mounting                |
| General application             | Education, Hospitality, Office, Retail   |
| ETIM Class                      | EC002892                                 |
| Warranty                        | 5 years                                  |
| Fixture luminous flux (lm)      | 4500                                     |
| Luminous flux (lm)              | 4500                                     |
| Luminaire efficacy (lm/W)       | 110                                      |
| Colour temperature (K)          | 4000                                     |
| Light colour                    | Neutral White                            |
| CRI (Ra)                        | 80                                       |
| Colour Variation Initial (SDCM) | SDCM3                                    |
| Glare control                   | < 19                                     |
| Photobiological Risk Group      | RG0                                      |
| Total power consumption (W)     | 41                                       |
| Electrical protection           | Class I                                  |
| Control gear type               | Electronic ballast                       |
| Dimmable                        | Yes                                      |
| Dimming method                  | SylSmart SSC                             |
| Minimum dimming level (%)       | 1                                        |
| Housing colour                  | White                                    |
| IP rating                       | IP20                                     |
| IK rating                       | IK07                                     |
| Product EAN number              | 5410288525174                            |

DATA TABLE

General data

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|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Product name                            | RANA LED R 600 HO 4K LOUV+PRI SSC W GEN2 |
| Technology                              | LED                                      |
| Cap/Base                                | N/A                                      |
| Housing                                 | Steel                                    |
| Mount                                   | Ceiling recessed mounting                |
| General application                     | Education, Hospitality, Office, Retail   |
| Operating temperature range (°C)        | 0°C...+25°C                              |
| Performance ambient temperature Tq (°C) | 25                                       |
| ETIM Class                              | EC002892                                 |
| Warranty                                | 5 years                                  |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 4500          |
| Luminous flux (lm)              | 4500          |
| Luminaire efficacy (lm/W)       | 110           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Distribution type               | Symmetric     |
| Glare control                   | < 19          |
| Photobiological Risk Group      | RG0           |

### Electrical data

|                                                          |                    |
|----------------------------------------------------------|--------------------|
| Total power consumption (W)                              | 41                 |
| Mains voltage (V)                                        | 220-240V           |
| Lamp power factor                                        | 0.99               |
| Electrical protection                                    | Class I            |
| Control gear required                                    | No                 |
| Control gear type                                        | Electronic ballast |
| Dimmable                                                 | Yes                |
| Dimming method                                           | SylSmart SSC       |
| Minimum dimming level (%)                                | 1                  |
| Drive current (mA)                                       | 275                |
| Inrush Current (A)                                       | 29                 |
| Inrush Duration (µs)                                     | 180                |
| Glow Wire Test (°C)                                      | 850                |
| Energy Efficiency Class (A->G) of contained light source | C                  |
| Nominal Frequency (Hz)                                   | 50/60Hz            |
| Max. Luminaires per 10A C Breaker                        | 21                 |
| Max. Luminaires per 13A C Breaker                        | 28                 |
| Max. Luminaires per 16A C Breaker                        | 36                 |
| Max. Luminaires per 20A C Breaker                        | 45                 |
| Max. Luminaires per 10A B Breaker                        | 13                 |
| Max. Luminaires per 13A B Breaker                        | 17                 |
| Max. Luminaires per 16A B Breaker                        | 22                 |
| Max. Luminaires per 20A B Breaker                        | 27                 |

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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)                 | 4.1              |
| Recessed Depth (mm)         | 120              |

### Packaging

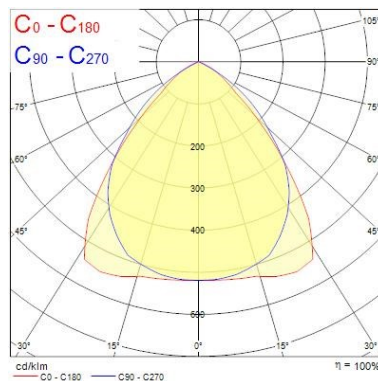
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288525174  |
| Packaging single length / height (cm) | 62.0           |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 65.0           |
| DUN14 (outer)                         | 05410288525174 |
| 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

|     |              |                          |                      |
|-----|--------------|--------------------------|----------------------|
| 0.5 | 0.96<br>0.90 | E(0°)<br>E(C90)<br>E(C0) | 9542<br>1757<br>2030 |
| 1.0 | 1.92<br>1.81 | E(0°)<br>E(C90)<br>E(C0) | 2335<br>439<br>505   |
| 1.5 | 2.88<br>2.71 | E(0°)<br>E(C90)<br>E(C0) | 1038<br>195<br>225   |
| 2.0 | 3.84<br>3.61 | E(0°)<br>E(C90)<br>E(C0) | 554<br>110<br>127    |
| 2.5 | 4.79<br>4.52 | E(0°)<br>E(C90)<br>E(C0) | 374<br>75<br>81      |
| 3.0 | 5.75<br>5.42 | E(0°)<br>E(C90)<br>E(C0) | 259<br>49<br>55      |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 84.9°)  
— C90 - C270 (Half beam angle: 87.6°)



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**TECHNICAL DRAWINGS**

