

RANA LED Surface 600  
RANA LED S 600 LO 4K LOUV+PRI 1-10 W GEN2  
0051460



Product features

- Surface or Suspended LED Linear luminaire with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 616x616x50mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 570x130mm, 1-10V Dimmable, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 3000lm, 28W, 107lm/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, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.



PRODUCT OVERVIEW

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Product name                    | RANA LED S 600 LO 4K LOUV+PRI 1-10 W GEN2 |
| Technology                      | LED                                       |
| Cap/Base                        | N/A                                       |
| Housing                         | Steel                                     |
| Mount                           | Ceiling surface mounting, Suspended       |
| General application             | Education, Hospitality, Office, Retail    |
| ETIM Class                      | EC002892                                  |
| Warranty                        | 5 years                                   |
| Fixture luminous flux (lm)      | 3000                                      |
| Luminous flux (lm)              | 3000                                      |
| Luminaire efficacy (lm/W)       | 107                                       |
| 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)     | 28                                        |
| Electrical protection           | Class I                                   |
| Control gear type               | Other                                     |
| Dimmable                        | Yes                                       |
| Dimming method                  | 1-10V (Analogue)                          |
| Minimum dimming level (%)       | 10                                        |
| Housing colour                  | White                                     |
| IP rating                       | IP20                                      |
| IK rating                       | IK07                                      |
| Product EAN number              | 5410288514604                             |

DATA TABLE

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

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 3000          |
| Luminous flux (lm)              | 3000          |
| Luminaire efficacy (lm/W)       | 107           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Glare control                   | < 19          |
| Photobiological Risk Group      | RG0           |

### Electrical data

|                                                          |                  |
|----------------------------------------------------------|------------------|
| Total power consumption (W)                              | 28               |
| Mains voltage (V)                                        | 220-240V         |
| Electrical protection                                    | Class I          |
| Control gear required                                    | No               |
| Control gear type                                        | Other            |
| Dimmable                                                 | Yes              |
| Dimming method                                           | 1-10V (Analogue) |
| Minimum dimming level (%)                                | 10               |
| Drive current (mA)                                       | 275              |
| Inrush Current (A)                                       | 45               |
| Inrush Duration (µs)                                     | 100              |
| 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                        | 31               |
| Max. Luminaires per 16A C Breaker                        | 51               |
| Max. Luminaires per 20A C Breaker                        | 62               |
| Max. Luminaires per 10A B Breaker                        | 18               |
| Max. Luminaires per 16A B Breaker                        | 30               |
| Max. Luminaires per 20A B Breaker                        | 37               |

### Lifetime data

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

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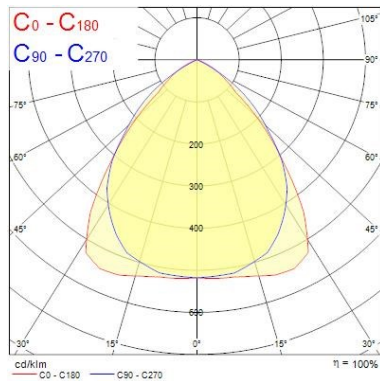
### Physical data

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | White            |
| IP rating                   | IP20             |
| IK rating                   | IK07             |
| Diffuser finish             | Prismatic        |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 616              |
| Nominal Product Width (mm)  | 616              |
| Nominal Product Height (mm) | 50               |
| Weight (kg)                 | 5.1              |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288514604  |
| Packaging single length / height (cm) | 67.0           |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 64.5           |
| DUN14 (outer)                         | 05410288514604 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 67.0           |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 64.5           |

## PHOTOMETRY



| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|----------------|------------------|
| 0.5          | 0.95<br>0.91      | 84.6°<br>84.6° | 43.8°<br>43.8° | 6213<br>1188     |
| 1.0          | 1.90<br>1.82      | 84.6°<br>84.6° | 43.8°<br>43.8° | 1553<br>296      |
| 1.5          | 2.86<br>2.73      | 84.6°<br>84.6° | 43.8°<br>43.8° | 690<br>132       |
| 2.0          | 3.81<br>3.64      | 84.6°<br>84.6° | 43.8°<br>43.8° | 338<br>74        |
| 2.5          | 4.76<br>4.55      | 84.6°<br>84.6° | 43.8°<br>43.8° | 248<br>53        |
| 3.0          | 5.71<br>5.46      | 84.6°<br>84.6° | 43.8°<br>43.8° | 173<br>33        |

Distance [m]  
Cone diameter [m]  
Beam angle [°]  
Illuminance [lx]

— C0 - C180 (Half beam angle: 84.6°)  
— C90 - C270 (Half beam angle: 67.2°)

## TECHNICAL DRAWINGS

