

## RANA LED Surface 1200

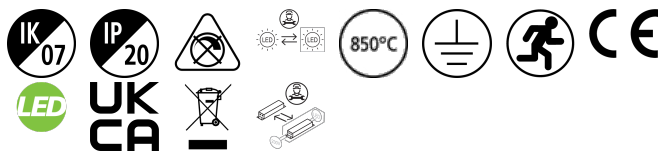
RANA LED S 1200 LO 4K LOUV+PRI EM W GEN2

0051484



### Product features

- Surface or Suspended LED Linear luminaire with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x47mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 1130x65mm, Constant Current, Low LED flicker (+/-5%), Emergency 3 hours, Neutral White (4000K) LED Colour Temperature, 3100lm, 32W, 97lm/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 1200 LO 4K LOUV+PRI EM W GEN2 |
| Technology                      | LED                                      |
| Cap/Base                        | N/A                                      |
| Housing                         | Steel                                    |
| Mount                           | Ceiling surface mounting, Suspended      |
| General application             | Office, Hospitality, Retail, Education   |
| ETIM Class                      | EC002892                                 |
| Warranty                        | 5 years                                  |
| Fixture luminous flux (lm)      | 3100                                     |
| Luminous flux (lm)              | 3100                                     |
| Luminaire efficacy (lm/W)       | 97                                       |
| Colour temperature (K)          | 4000                                     |
| Light colour                    | Neutral White                            |
| CRI (Ra)                        | 80                                       |
| Colour Variation Initial (SDCM) | SDCM3                                    |
| Glare control                   | < 19                                     |
| Photobiological Risk Group      | RG0                                      |
| Luminous flux (emergency) (lm)  | 280                                      |
| Total power consumption (W)     | 32                                       |
| Electrical protection           | Class I                                  |
| Control gear type               | Electronic ballast                       |
| Dimmable                        | No                                       |
| Dimming method                  | N/A                                      |
| LED Flickering Rate             | Ultra low (5% or less)                   |
| Housing colour                  | White                                    |
| IP rating                       | IP20                                     |
| IK rating                       | IK07                                     |
| Product EAN number              | 5410288514840                            |

### DATA TABLE

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0051484

### General data

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Product name                            | RANA LED S 1200 LO 4K LOUV+PRI EM W GEN2 |
| Technology                              | LED                                      |
| Cap/Base                                | N/A                                      |
| Housing                                 | Steel                                    |
| Mount                                   | Ceiling surface mounting, Suspended      |
| General application                     | Office, Hospitality, Retail, Education   |
| Operating temperature range (°C)        | 5°C...+25°C                              |
| Performance ambient temperature Tq (°C) | 25                                       |
| ETIM Class                              | EC002892                                 |
| Warranty                                | 5 years                                  |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 3100          |
| Luminous flux (lm)              | 3100          |
| Luminaire efficacy (lm/W)       | 97            |
| 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           |
| Luminous flux (emergency) (lm)  | 280           |
| Emergency duration (h)          | 3             |

### Electrical data

|                                                                |                        |
|----------------------------------------------------------------|------------------------|
| Total power consumption (W)                                    | 32                     |
| Mains voltage (V)                                              | 220-240V               |
| Lamp power factor                                              | 0.95                   |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 20                     |
| Electrical protection                                          | Class I                |
| Control gear required                                          | No                     |
| Control gear type                                              | Electronic ballast     |
| Dimmable                                                       | No                     |
| Dimming method                                                 | N/A                    |
| Drive current (mA)                                             | 275                    |
| Inrush Current (A)                                             | 22                     |
| Inrush Duration (µs)                                           | 250                    |
| Glow Wire Test (°C)                                            | 850                    |
| Energy Efficiency Class (A->G) of contained light source       | C                      |
| Nominal Frequency (Hz)                                         | 50/60Hz                |
| LED Flickering Rate                                            | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker                              | 28                     |
| Max. Luminaires per 13A C Breaker                              | 36                     |
| Max. Luminaires per 16A C Breaker                              | 45                     |
| Max. Luminaires per 20A C Breaker                              | 56                     |

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0051484

|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 10A B Breaker | 17 |
| Max. Luminaires per 13A B Breaker | 22 |
| Max. Luminaires per 16A B Breaker | 27 |
| Max. Luminaires per 20A B Breaker | 34 |

### 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) | 1160             |
| Nominal Product Width (mm)  | 187              |
| Nominal Product Height (mm) | 47               |
| Weight (kg)                 | 4.1              |

### Packaging

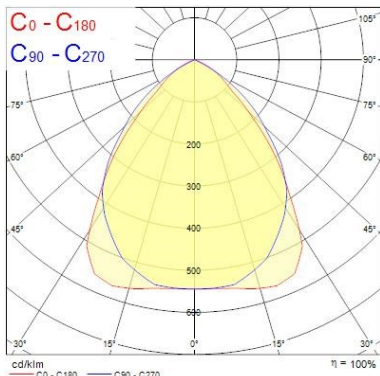
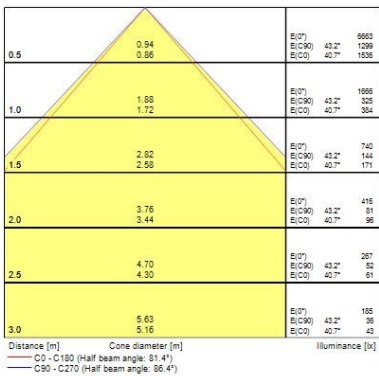
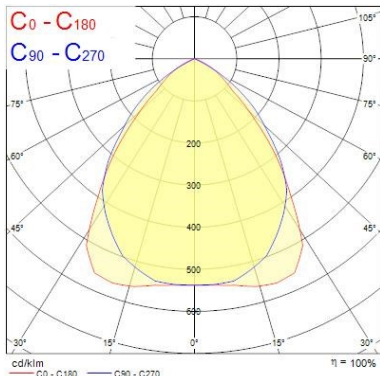
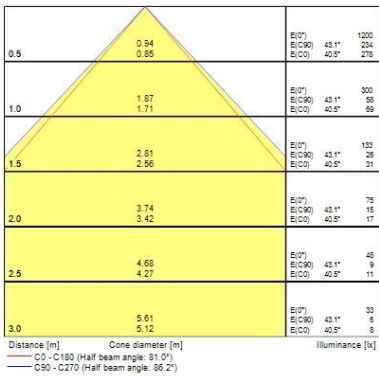
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288514840  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (outer)                         | 05410288514840 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 153.5          |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 21.0           |

### Safety data

|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 5-25 |
|----------------------------------|------|

## PHOTOMETRY

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TECHNICAL DRAWINGS

