

RANA NEO Surface 1200 SylSmart  
RANA NEO 3600LM S 1200 830 SSC EM 1L WHITE  
0054232



Product features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x56mm, White body colour, IP20, IK07, SylSmart Standalone capable, Emergency 3 hours, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 3600lm, 32W, 112lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<19, Luminance at 65° < 3000 cd/m2, Lifespan: 96,000 hours L80B20, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.



PRODUCT OVERVIEW

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Product name                    | RANA NEO 3600LM S 1200 830 SSC EM 1L WHITE |
| Technology                      | LED (3 SDCM)                               |
| Cap/Base                        | N/A                                        |
| Housing                         | Steel                                      |
| Mount                           | Ceiling surface mounting, Suspended        |
| General application             | Education, Office                          |
| ETIM Class                      | EC002892                                   |
| Warranty                        | 5 years                                    |
| Fixture luminous flux (lm)      | 3600                                       |
| Luminous flux (lm)              | 3600                                       |
| Luminaire efficacy (lm/W)       | 113                                        |
| Colour temperature (K)          | 3000                                       |
| Light colour                    | Warm White                                 |
| CRI (Ra)                        | 80                                         |
| Colour Variation Initial (SDCM) | SDCM3                                      |
| Glare control                   | < 19                                       |
| Photobiological Risk Group      | RG0                                        |
| Luminous flux (emergency) (lm)  | 80                                         |
| Total power consumption (W)     | 32                                         |
| Electrical protection           | Class I                                    |
| Control gear type               | LED driver constant current                |
| Dimmable                        | Yes                                        |
| Dimming method                  | SylSmart SSC                               |
| LED Flickering Rate             | Ultra low (5% or less)                     |
| Housing colour                  | RAL 9016 - Traffic white / Bezel           |
| IP rating                       | IP20                                       |
| IK rating                       | IK07                                       |
| Product EAN number              | 5410288542324                              |

DATA TABLE

General data

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|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Product name                            | RANA NEO 3600LM S 1200 830 SSC EM 1L WHITE |
| Technology                              | LED (3 SDCM)                               |
| Cap/Base                                | N/A                                        |
| Housing                                 | Steel                                      |
| Mount                                   | Ceiling surface mounting, Suspended        |
| General application                     | Education, Office                          |
| 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)      | 3600       |
| Luminous flux (lm)              | 3600       |
| Luminaire efficacy (lm/W)       | 113        |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM3      |
| Glare control                   | < 19       |
| Photobiological Risk Group      | RG0        |
| Luminous flux (emergency) (lm)  | 80         |
| 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 % | 10                          |
| Electrical protection                                          | Class I                     |
| Control gear required                                          | No                          |
| Control gear type                                              | LED driver constant current |
| Dimmable                                                       | Yes                         |
| Dimming method                                                 | SylSmart SSC                |
| Drive current (mA)                                             | 600                         |
| Inrush Current (A)                                             | 20                          |
| Inrush Duration (µs)                                           | 25                          |
| 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                              | 57                          |
| Max. Luminaires per 13A C Breaker                              | 71                          |
| Max. Luminaires per 16A C Breaker                              | 93                          |
| Max. Luminaires per 20A C Breaker                              | 114                         |
| Max. Luminaires per 10A B Breaker                              | 35                          |
| Max. Luminaires per 13A B Breaker                              | 45                          |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 16A B Breaker | 55 |
| Max. Luminaires per 20A B Breaker | 68 |

### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 96000  |

### Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Opal                             |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1160                             |
| Nominal Product Width (mm)  | 187                              |
| Nominal Product Height (mm) | 47                               |
| Weight (kg)                 | 3.5                              |

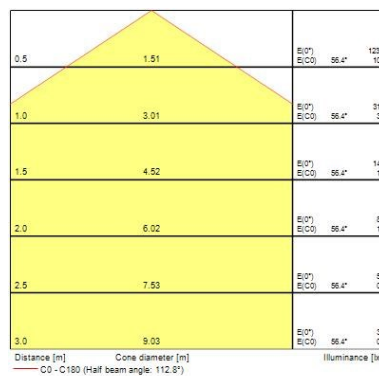
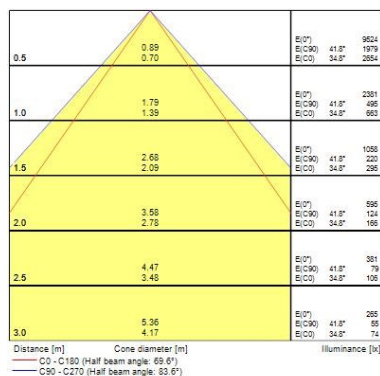
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288542324  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (outer)                         | 05410288542324 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 153.5          |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 21.0           |

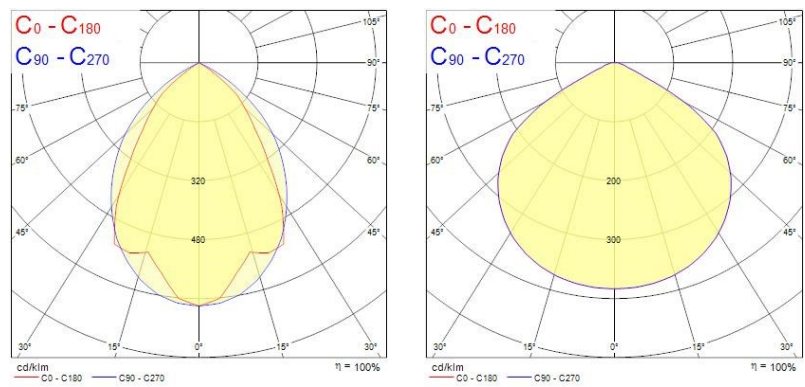
### Safety data

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

## PHOTOMETRY



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**TECHNICAL DRAWINGS**

