

RANA NEO Recessed 1200  
RANA NEO 3500LM REC 1200x300 830 CC 1L WHITE  
0052588



Product features

- Ceiling Recessed LED Linear luminaire (lay-in), with Louvre + MPO diffuser, Direct Light Distribution, Luminaire Dimensions: 1196x296x52mm, Sylvania White body colour, IP20, IK07, Constant Current, Low LED flicker (+/-5%), Warm White (3000K), LED Colour Temperature, 3572lm, 30W, 119lm/W, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, Luminance at 65° < 3000 cd/m2, Lifespan: 96,000 hours L80B20, 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 NEO 3500LM REC 1200x300 830 CC 1L WHITE |
| Technology                      | LED (3 SDCM)                                 |
| Housing                         | Steel                                        |
| Mount                           | Ceiling recessed mounting                    |
| General application             | Education, Office                            |
| ETIM Class                      | EC002892                                     |
| Warranty                        | 5 years                                      |
| Fixture luminous flux (lm)      | 3572                                         |
| Luminous flux (lm)              | 3572                                         |
| Luminaire efficacy (lm/W)       | 119                                          |
| Colour temperature (K)          | 3000                                         |
| Light colour                    | Warm White                                   |
| CRI (Ra)                        | 80                                           |
| Colour Variation Initial (SDCM) | SDCM3                                        |
| Glare control                   | < 18                                         |
| Photobiological Risk Group      | RG0                                          |
| Total power consumption (W)     | 30                                           |
| Electrical protection           | Class I                                      |
| Control gear type               | LED driver constant current                  |
| Dimmable                        | No                                           |
| Dimming method                  | N/A                                          |
| LED Flickering Rate             | Ultra low (5% or less)                       |
| Housing colour                  | RAL 9016 - Traffic white / Bezel             |
| IP rating                       | IP20                                         |
| IK rating                       | IK07                                         |
| Product EAN number              | 5410288525884                                |

DATA TABLE

|              |                                              |
|--------------|----------------------------------------------|
| General data |                                              |
| Product name | RANA NEO 3500LM REC 1200x300 830 CC 1L WHITE |
| Technology   | LED (3 SDCM)                                 |

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|                                                     |                           |
|-----------------------------------------------------|---------------------------|
| Housing                                             | Steel                     |
| Mount                                               | Ceiling recessed mounting |
| General application                                 | Education, Office         |
| Performance ambient temperature T <sub>q</sub> (°C) | 25                        |
| ETIM Class                                          | EC002892                  |
| Warranty                                            | 5 years                   |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 3572       |
| Luminous flux (lm)              | 3572       |
| Luminaire efficacy (lm/W)       | 119        |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM3      |
| Glare control                   | < 18       |
| Photobiological Risk Group      | RG0        |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 30                          |
| Mains voltage (V)                                              | 220-240V                    |
| Lamp power factor                                              | 0.97                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 15                          |
| Electrical protection                                          | Class I                     |
| Control gear required                                          | No                          |
| Control gear type                                              | LED driver constant current |
| Dimmable                                                       | No                          |
| Dimming method                                                 | N/A                         |
| Drive current (mA)                                             | 300                         |
| Inrush Current (A)                                             | 5.5                         |
| Inrush Duration (µs)                                           | 20                          |
| 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                              | 41                          |
| Max. Luminaires per 13A C Breaker                              | 53                          |
| Max. Luminaires per 16A C Breaker                              | 65                          |
| Max. Luminaires per 20A C Breaker                              | 82                          |
| Max. Luminaires per 10A B Breaker                              | 41                          |
| Max. Luminaires per 13A B Breaker                              | 53                          |
| Max. Luminaires per 16A B Breaker                              | 65                          |
| Max. Luminaires per 20A B Breaker                              | 82                          |

### Lifetime data

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

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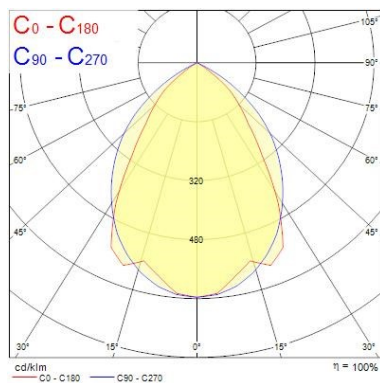
### Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Matt/satinized                   |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1196                             |
| Nominal Product Width (mm)  | 296                              |
| Nominal Product Height (mm) | 52                               |
| Weight (kg)                 | 5.5                              |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288525884  |
| Packaging single length / height (cm) | 124.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 32.0           |
| DUN14 (outer)                         | 05410288525884 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 124.5          |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 32.0           |

## PHOTOMETRY



| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Illuminance [lx] |
|--------------|-------------------|----------------|-------------------|----------------|------------------|
| 0.5          | 0.91              | 69.2°          | 1.83              | 3.32           | 9099             |
| 1.0          | 1.83              | 69.2°          | 3.65              | 13.32          | 2272             |
| 1.5          | 2.74              | 69.2°          | 5.48              | 29.82          | 1010             |
| 2.0          | 3.65              | 69.2°          | 7.30              | 53.07          | 568              |
| 2.5          | 4.57              | 69.2°          | 9.14              | 82.50          | 364              |
| 3.0          | 5.48              | 69.2°          | 10.96             | 118.84         | 252              |
| 0.5          | 0.69              | 84.8°          | 1.38              | 2.90           | 2530             |
| 1.0          | 1.38              | 84.8°          | 2.76              | 11.60          | 635              |
| 1.5          | 2.07              | 84.8°          | 4.14              | 26.80          | 352              |
| 2.0          | 2.76              | 84.8°          | 5.52              | 48.40          | 227              |
| 2.5          | 3.45              | 84.8°          | 6.90              | 76.00          | 152              |
| 3.0          | 4.14              | 84.8°          | 8.28              | 109.00         | 112              |

## TECHNICAL DRAWINGS

