

## RANA NEO Surface 1200

RANA NEO 3800LM S 1200 840 DALI EM 1L WHITE

0054231



### Product features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x56mm, White body colour, IP20, IK07, DALI Dimmable, Emergency 3 hours, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 3800lm, 32W, 118lm/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 3800LM S 1200 840 DALI 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)      | 3800                                        |
| Luminous flux (lm)              | 3800                                        |
| Luminaire efficacy (lm/W)       | 119                                         |
| 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)  | 80                                          |
| Total power consumption (W)     | 32                                          |
| Electrical protection           | Class I                                     |
| Control gear type               | LED driver constant current                 |
| Dimmable                        | Yes                                         |
| Dimming method                  | DALI                                        |
| LED Flickering Rate             | Ultra low (5% or less)                      |
| Housing colour                  | RAL 9016 - Traffic white / Bezel            |
| IP rating                       | IP20                                        |
| IK rating                       | IK07                                        |
| Product EAN number              | 5410288542317                               |

## DATA TABLE

General data

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| Product name                            | RANA NEO 3800LM S 1200 840 DALI 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)        | 0°C...+25°C                                 |
| Performance ambient temperature Tq (°C) | 25                                          |
| ETIM Class                              | EC002892                                    |
| Warranty                                | 5 years                                     |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 3800          |
| Luminous flux (lm)              | 3800          |
| Luminaire efficacy (lm/W)       | 119           |
| 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)  | 80            |
| Emergency duration (h)          | 3             |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 32                          |
| Mains voltage (V)                                              | 220-240V                    |
| Lamp power factor                                              | 0.96                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 9                           |
| Electrical protection                                          | Class I                     |
| Control gear required                                          | No                          |
| Control gear type                                              | LED driver constant current |
| Dimmable                                                       | Yes                         |
| Dimming method                                                 | DALI                        |
| Drive current (mA)                                             | 300                         |
| Inrush Current (A)                                             | 22.4                        |
| Inrush Duration (µs)                                           | 176                         |
| 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                              | 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                          |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 16A B Breaker | 22 |
| Max. Luminaires per 20A B Breaker | 27 |

Lifetime data

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

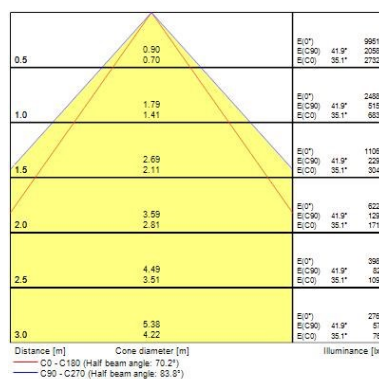
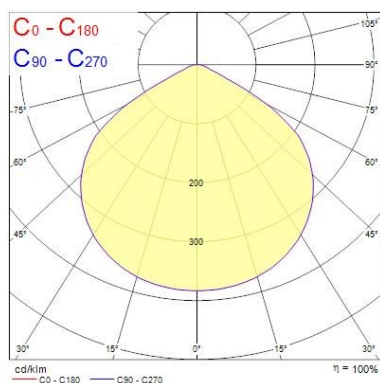
## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| 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                              |

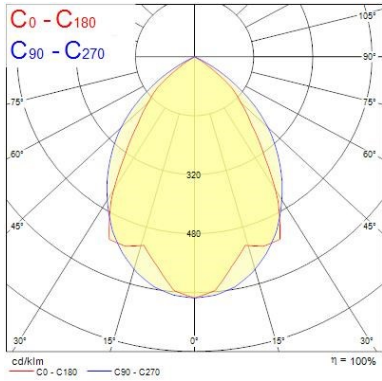
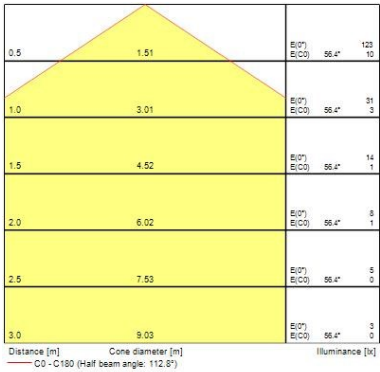
## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288542317  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (outer)                         | 05410288542317 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 153.5          |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 21.0           |

## PHOTOMETRY



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TECHNICAL DRAWINGS

