

Features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x56mm, White body colour, IP20, IK07, SylSmart Standalone capable, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 3800lm, 30W, 126lm/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.

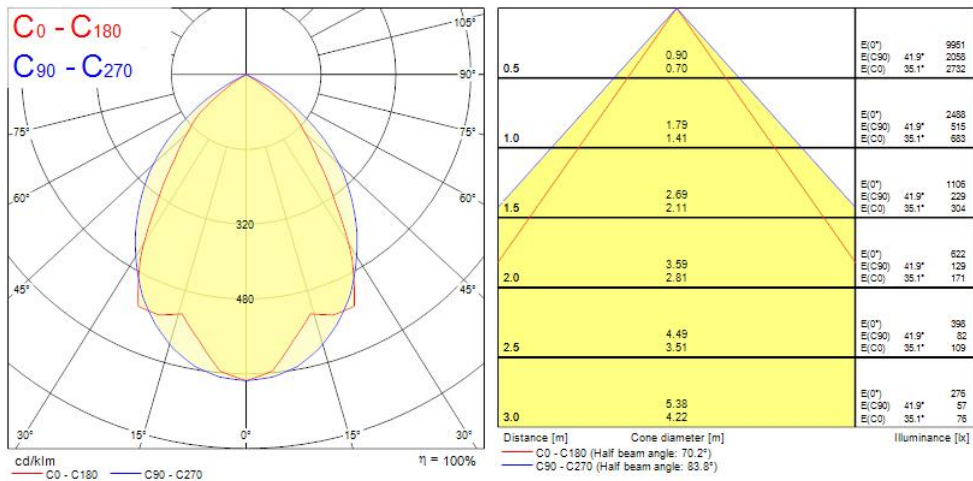
Product Overview

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Product name                      | RANA NEO 3800LM S 1200 840 SSC 1L WHITE |
| Technology                        | LED (3 SDCM)                            |
| Cap/Base                          | N/A                                     |
| Housing                           | Steel                                   |
| Mount                             | Ceiling surface mounting, Suspended     |
| General application               | Education, Office                       |
| ETIM Class                        | EC002892                                |
| Fixture luminous flux (lm)        | 3800                                    |
| Luminaire efficacy (lm/W)         | 127                                     |
| Correlated colour temperature (k) | 4000                                    |
| Light colour                      | Neutral White                           |
| CRI (Ra)                          | 80                                      |
| Colour Variation Initial (SDCM)   | 3                                       |
| Glare control                     | < 19                                    |
| Photobiological Risk Group        | RG0                                     |
| Total power consumption (W)       | 30                                      |
| Electrical protection             | Class I                                 |
| Control gear type                 | LED driver constant current             |

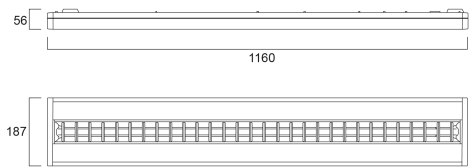
RANA NEO 3800LM S 1200 840 SSC 1L WHITE  
0054227

|                     |                        |
|---------------------|------------------------|
| Dimmable            | Yes                    |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour      | RAL9016                |
| IP rating           | IP20                   |
| IK rating           | IK07                   |
| Product EAN number  | 5410288542270          |
| Warranty            | 5 years                |
| Dimming method      | SylSmart SSC           |

Photometry



Technical drawings



Data table

## RANA NEO 3800LM S 1200 840 SSC 1L WHITE 0054227

### GENERAL DATA

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| Product name                            | RANA NEO 3800LM S 1200 840 SSC 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)        | 3800          |
| Luminaire efficacy (lm/W)         | 127           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | 3             |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG0           |

### ELECTRICAL DATA

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 30                          |
| Primary Supply/Product voltage - min (V)                         | 220                         |
| Primary Supply/Product voltage - max (V)                         | 240                         |
| 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 |

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|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Dimmable                                                 | Yes                    |
| Dimming method                                           | SylSmart SSC           |
| Drive current (mA)                                       | 600                    |
| Inrush Current (A)                                       | 20                     |
| Inrush Duration (µs)                                     | 25                     |
| Energy Efficiency Class (A->G) of contained light source | C                      |
| Nominal Frequency (Hz)                                   | 50/60Hz                |
| LED Flickering Rate                                      | Ultra low (5% or less) |
| Max. products per 10A C Breaker                          | 57                     |
| Max. products per 13A C Breaker                          | 71                     |
| Max. products per 16A C Breaker                          | 93                     |
| Max. products per 20A C Breaker                          | 114                    |
| Max. products per 10A B Breaker                          | 35                     |
| Max. products per 13A B Breaker                          | 45                     |
| Max. products per 16A B Breaker                          | 55                     |
| Max. products per 20A B Breaker                          | 68                     |

### LIFETIME DATA

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

### PHYSICAL DATA

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | RAL9016          |
| 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



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|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288542270  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (inner)                         | 05410288542270 |
| 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

|                                     |       |
|-------------------------------------|-------|
| Glow Wire Test (°C)                 | 850   |
| Optimal operating condition (°C)    | -5-25 |
| Special purpose lamp                | No    |
| Dry applications use only           | No    |
| Suitable for household illumination | No    |