



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%), Warm White (3000K) LED Colour Temperature, 6800lm, 60W, 113lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, 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.

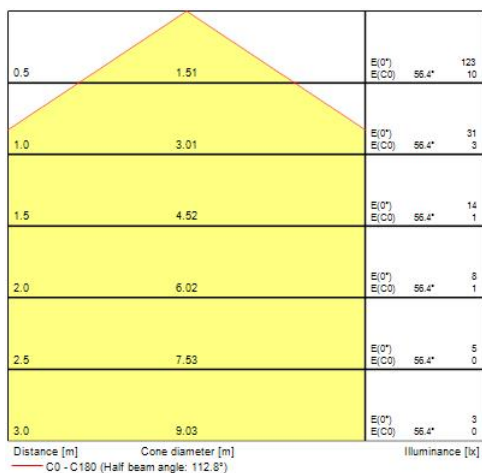
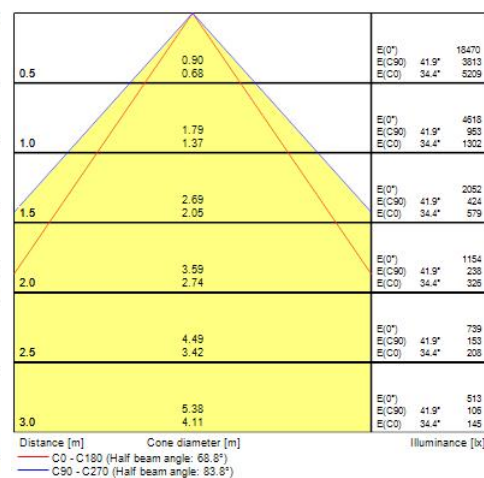
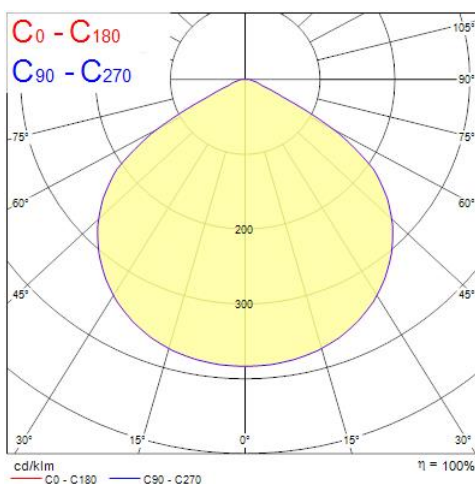
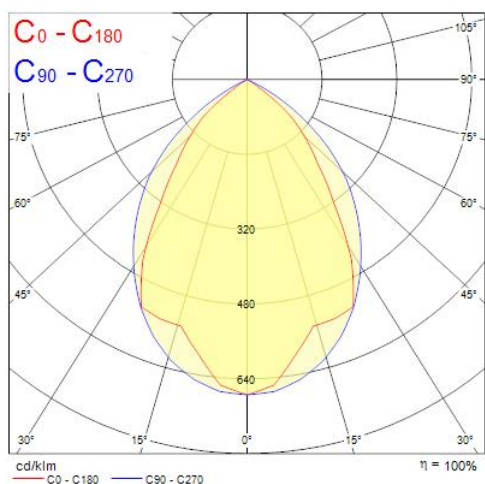
Product Overview

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Product name                    | RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE |
| Technology                      | LED (3 SDCM)                                |
| Cap/Base                        | N/A                                         |
| Housing                         | Steel                                       |
| Mount                           | Ceiling surface mounting, Suspended         |
| Fixture luminous flux (lm)      | 6800                                        |
| Luminaire efficacy (lm/W)       | 113                                         |
| Colour temperature (K)          | 3000                                        |
| Light colour                    | Warm White                                  |
| CRI (Ra)                        | 80                                          |
| Colour Variation Initial (SDCM) | 3                                           |
| Glare control                   | < 18                                        |
| Photobiological Risk Group      | RG0                                         |
| Luminous flux (emergency) (lm)  | 80                                          |
| Total power consumption (W)     | 60                                          |
| Electrical protection           | Class I                                     |
| Control gear type               | LED driver constant current                 |
| LED Flickering Rate             | Ultra low (5% or less)                      |

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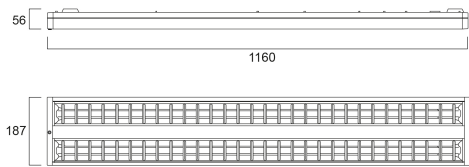
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|---------------------------|----------------------------------|
| <b>Housing colour</b>     | RAL 9016 - Traffic white / Bezel |
| <b>IP rating</b>          | IP20                             |
| <b>IK rating</b>          | IK07                             |
| <b>Product EAN number</b> | 5410288542423                    |
| <b>Warranty</b>           | 5 years                          |

## Photometry



RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE  
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Technical drawings



Data table

GENERAL DATA

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Product name                            | RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE |
| Technology                              | LED (3 SDCM)                                |
| Cap/Base                                | N/A                                         |
| Housing                                 | Steel                                       |
| Mount                                   | Ceiling surface mounting, Suspended         |
| Operating temperature range (°C)        | 0°C...+25°C                                 |
| Performance ambient temperature Tq (°C) | 25                                          |
| Warranty                                | 5 years                                     |

OPTICAL DATA

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 6800       |
| Luminaire efficacy (lm/W)       | 113        |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | 3          |
| Glare control                   | < 18       |
| Photobiological Risk Group      | RG0        |
| Luminous flux (emergency) (lm)  | 80         |

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|                        |   |
|------------------------|---|
| Emergency duration (h) | 3 |
|------------------------|---|

### ELECTRICAL DATA

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 60                          |
| Primary Supply/Product voltage - min (V)                 | 220                         |
| Lamp power factor                                        | 0.95                        |
| Electrical protection                                    | Class I                     |
| Control gear required                                    | No                          |
| Control gear type                                        | LED driver constant current |
| Drive current (mA)                                       | 300                         |
| Inrush Current (A)                                       | 23.1                        |
| Inrush Duration (µs)                                     | 174                         |
| 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. products per 10A C Breaker                          | 18                          |
| Max. products per 20A B Breaker                          | 17                          |

### 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                              |
| Weight (kg)                 | 3.2                              |



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PACKAGING

|                                      |                |
|--------------------------------------|----------------|
| Single packaging type                | Carton         |
| Product EAN number                   | 5410288542423  |
| Packaging single width (cm)          | 6.5            |
| Packaging single depth (cm)          | 21.0           |
| DUN14 (outer)                        | 05410288542423 |
| Packaging outer length / height (cm) | 153.5          |

SAFETY DATA

|                                     |    |
|-------------------------------------|----|
| Special purpose lamp                | No |
| Dry applications use only           | No |
| Suitable for household illumination | No |