



Features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1447x187x56mm, White body colour, IP20, IK07, SylSmart Standalone capable, Emergency 3 hours, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 8800lm, 73W, 120lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<17, 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.

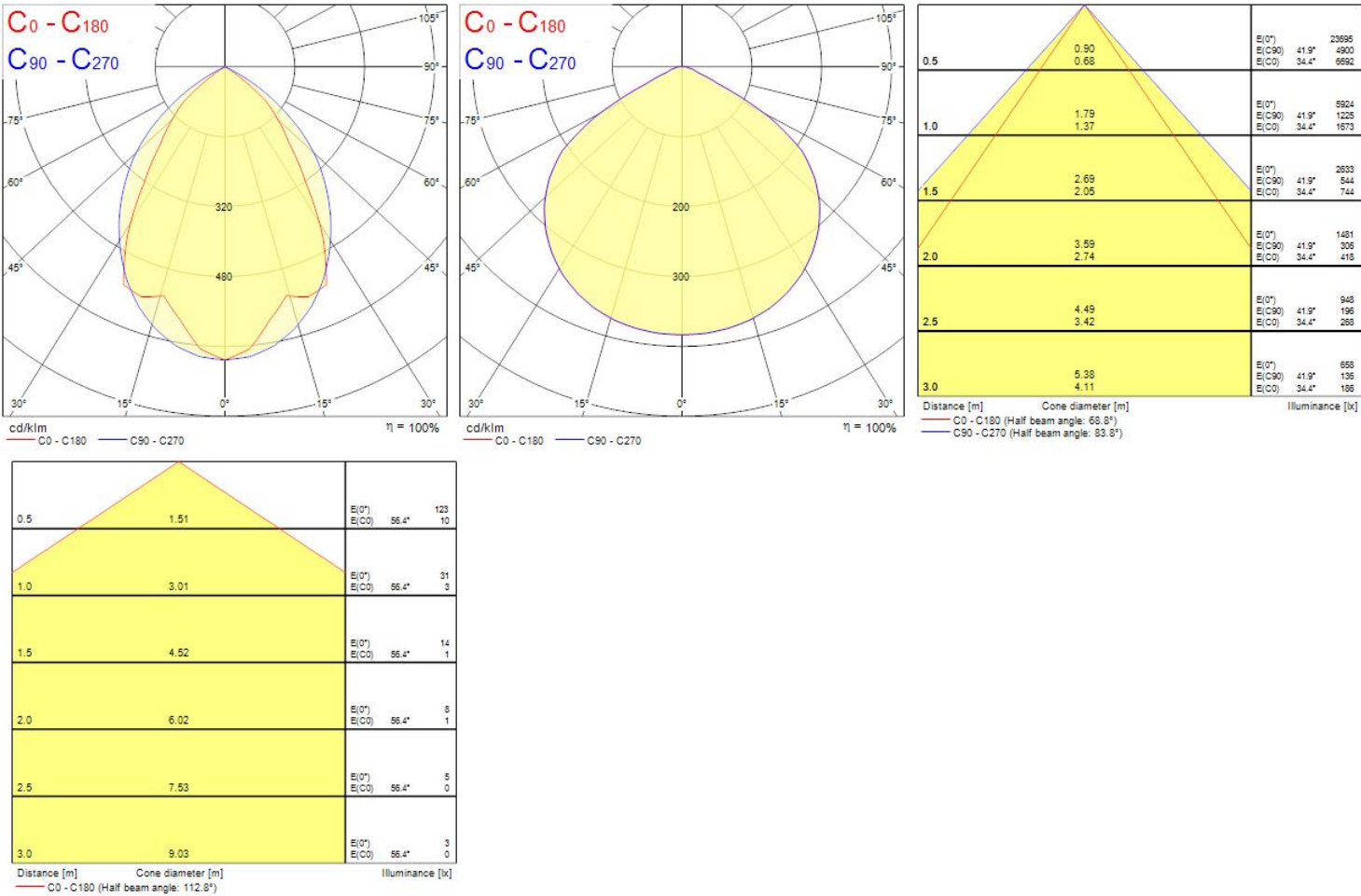
Product Overview

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Product name                      | RANA NEO 8800LM S 1500 830 SSC EM 2L 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)        | 8800                                       |
| Luminaire efficacy (lm/W)         | 121                                        |
| Correlated colour temperature (k) | 3000                                       |
| Light colour                      | Warm White                                 |
| CRI (Ra)                          | 80                                         |
| Colour Variation Initial (SDCM)   | 3                                          |
| Glare control                     | < 17                                       |
| Photobiological Risk Group        | RG0                                        |
| Luminous flux (emergency) (lm)    | 80                                         |
| Total power consumption (W)       | 80                                         |
| Electrical protection             | Class I                                    |

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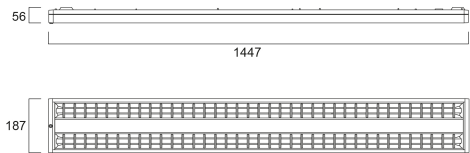
|                     |                             |
|---------------------|-----------------------------|
| Control gear type   | LED driver constant current |
| Dimmable            | Yes                         |
| LED Flickering Rate | Ultra low (5% or less)      |
| Housing colour      | RAL9016                     |
| IP rating           | IP20                        |
| IK rating           | IK07                        |
| Product EAN number  | 5410288542683               |
| Warranty            | 5 years                     |
| Dimming method      | SylSmart SSC                |

Photometry



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Technical drawings



Data table

GENERAL DATA

|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Product name                            | RANA NEO 8800LM S 1500 830 SSC EM 2L 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)        | 8800       |
| Luminaire efficacy (lm/W)         | 121        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |
| CRI (Ra)                          | 80         |
| Colour Variation Initial (SDCM)   | 3          |
| Glare control                     | < 17       |

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|                                |     |
|--------------------------------|-----|
| Photobiological Risk Group     | RG0 |
| Luminous flux (emergency) (lm) | 80  |
| Emergency duration (h)         | 3   |

### ELECTRICAL DATA

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 80                          |
| Primary Supply/Product voltage - min (V)                 | 220                         |
| Primary Supply/Product voltage - max (V)                 | 240                         |
| Lamp power factor                                        | 0.95                        |
| Electrical protection                                    | Class I                     |
| Control gear required                                    | No                          |
| Control gear type                                        | LED driver constant current |
| Dimmable                                                 | Yes                         |
| Dimming method                                           | SylSmart SSC                |
| Drive current (mA)                                       | 300                         |
| Inrush Current (A)                                       | 29                          |
| Inrush Duration (µs)                                     | 180                         |
| Energy Efficiency Class (A->G) of contained light source | D                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |
| LED Flickering Rate                                      | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                          | 21                          |
| Max. products per 13A C Breaker                          | 28                          |
| Max. products per 16A C Breaker                          | 36                          |
| Max. products per 20A C Breaker                          | 45                          |
| Max. products per 10A B Breaker                          | 13                          |
| Max. products per 13A B Breaker                          | 17                          |
| Max. products per 16A B Breaker                          | 22                          |
| Max. products per 20A B Breaker                          | 27                          |

### LIFETIME DATA

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



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PHYSICAL DATA

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | RAL9016          |
| IP rating                   | IP20             |
| IK rating                   | IK07             |
| Diffuser finish             | Opal             |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 1440             |
| Nominal Product Width (mm)  | 187              |
| Nominal Product Height (mm) | 47               |
| Weight (kg)                 | 3.9              |

PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288542683  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (inner)                         | 05410288542683 |
| 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    |