

RANA Linear Surface&Suspended - MicroPrismatic Optic  
RANA LINEAR S 3KLM NW MPO 1-10 EM  
0051260



Product features

- Surface or Suspended LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, 1-10V Dimmable, Emergency 3 hours maintained, Neutral White LED (4000K), 2890lm, 35W, 83lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<21, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C



PRODUCT OVERVIEW

|                                |                                        |
|--------------------------------|----------------------------------------|
| Product name                   | RANA LINEAR S 3KLM NW MPO 1-10 EM      |
| Technology                     | LED                                    |
| Cap/Base                       | N/A                                    |
| Housing                        | Steel                                  |
| Mount                          | Ceiling surface mounting, Suspended    |
| Fixture rating                 | Enclosed                               |
| Environment                    | Internal                               |
| General application            | Office, Hospitality, Retail, Education |
| ETIM Class                     | EC002892                               |
| Warranty                       | 5 years                                |
| Fixture luminous flux (lm)     | 2890                                   |
| Luminaire efficacy (lm/W)      | 82.57                                  |
| LOR (%)                        | 100                                    |
| Colour temperature (K)         | 4000                                   |
| Light colour                   | Neutral White                          |
| CRI (Ra)                       | 80                                     |
| Colour Consistency (SDCM)      | 3                                      |
| Glare control                  | < 21                                   |
| Photobiological Risk Group     | RG0                                    |
| Luminous flux (emergency) (lm) | 447                                    |
| Total power consumption (W)    | 35                                     |
| Electrical protection          | Class I                                |
| Control gear type              | Electronic ballast                     |
| Dimmable                       | Yes                                    |
| Dimming method                 | 1-10V (Analogue)                       |
| Minimum dimming level (%)      | 90                                     |
| Housing colour                 | RAL 9016 - Traffic white / Bezel       |
| IP rating                      | IP20                                   |
| IK rating                      | IK07                                   |
| Product EAN number             | 5410288512600                          |

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### DATA TABLE

#### General data

|                                                     |                                        |
|-----------------------------------------------------|----------------------------------------|
| Product name                                        | RANA LINEAR S 3KLM NW MPO 1-10 EM      |
| Technology                                          | LED                                    |
| Cap/Base                                            | N/A                                    |
| Housing                                             | Steel                                  |
| Mount                                               | Ceiling surface mounting, Suspended    |
| Fixture rating                                      | Enclosed                               |
| Environment                                         | Internal                               |
| General application                                 | Office, Hospitality, Retail, Education |
| Operating temperature range (°C)                    | 5°C...+30°C                            |
| Performance ambient temperature T <sub>q</sub> (°C) | 25                                     |
| ETIM Class                                          | EC002892                               |
| Warranty                                            | 5 years                                |

#### Optical data

|                                |               |
|--------------------------------|---------------|
| Fixture luminous flux (lm)     | 2890          |
| Luminaire efficacy (lm/W)      | 82.57         |
| LOR (%)                        | 100           |
| Colour temperature (K)         | 4000          |
| Light colour                   | Neutral White |
| CRI (Ra)                       | 80            |
| Colour Consistency (SDCM)      | 3             |
| Adjustable chromaticity        | N             |
| Glare control                  | < 21          |
| Photobiological Risk Group     | RG0           |
| Luminous flux (emergency) (lm) | 447           |
| Emergency duration (h)         | 3.0           |

#### Electrical data

|                                                          |                    |
|----------------------------------------------------------|--------------------|
| Total power consumption (W)                              | 35                 |
| Mains voltage (V)                                        | 220-240V           |
| Electrical protection                                    | Class I            |
| Control gear type                                        | Electronic ballast |
| Transformer required                                     | Yes                |
| Dimmable                                                 | Yes                |
| Dimming method                                           | 1-10V (Analogue)   |
| Minimum dimming level (%)                                | 90                 |
| Drive current (mA)                                       | 300                |
| Inrush Current (A)                                       | 45                 |
| Inrush Duration (µs)                                     | 100                |
| Glow Wire Test (°C)                                      | 850                |
| Energy Efficiency Class (A->G) of contained light source | C                  |
| Nominal Frequency (Hz)                                   | 50/60Hz            |
| Max. Luminaires per 16A C Breaker                        | 51                 |

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### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 60000 |
| Lifespan L70 B20 | 60000 |
| Lifespan L70 B10 | 60000 |
| Lifespan L80 B50 | 60000 |
| Lifespan L80 B20 | 60000 |
| Lifespan L80 B10 | 60000 |
| Lifespan L90 B50 | 60000 |
| Lifespan L90 B20 | 60000 |
| Lifespan L90 B10 | 60000 |

### Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Prismatic                        |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1150                             |
| Nominal Product Width (mm)  | 87                               |
| Nominal Product Height (mm) | 87                               |
| Weight (kg)                 | 3.55                             |

### Packaging

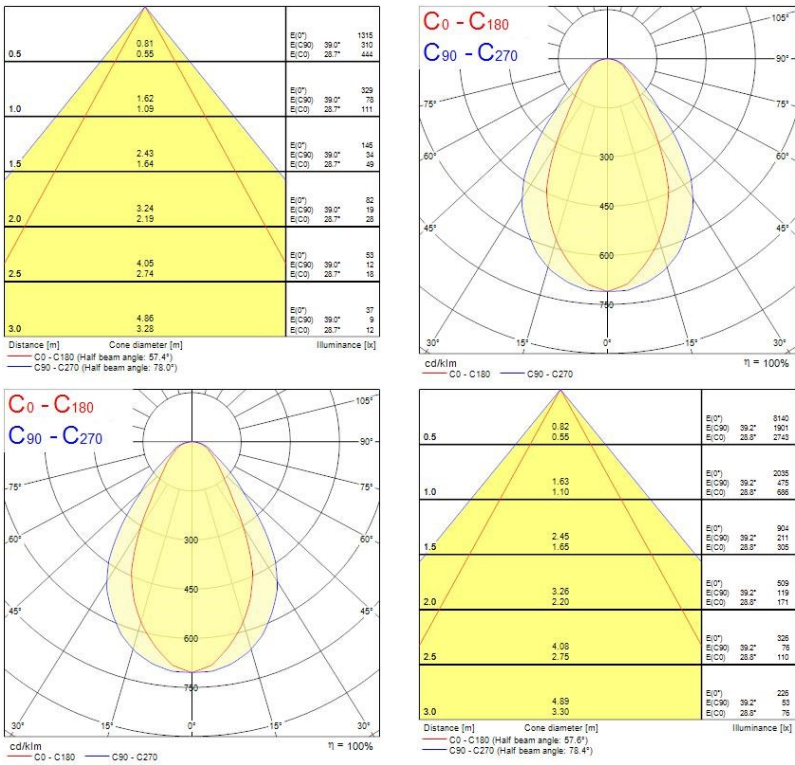
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288512600  |
| Packaging single length / height (cm) | 116.5          |
| Packaging single width (cm)           | 10.5           |
| Packaging single depth (cm)           | 10.0           |
| DUN14 (outer)                         | 05410288512600 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 116.5          |
| Packaging outer width (cm)            | 10.5           |
| Packaging outer depth (cm)            | 10.0           |

### Safety data

|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 5-30 |
|----------------------------------|------|

## PHOTOMETRY

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TECHNICAL DRAWINGS

