

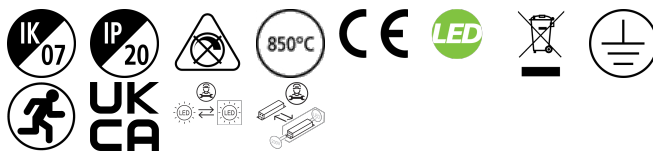
## RANA Linear Recessed - Opal Diffuser

*RANA LINEAR R 3KLM NW OPAL EM*  
0052372



### Product features

- Ceiling recessed LED Linear luminaire with Opal diffuser, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, Emergency 3 hours maintained, Neutral White LED (4000K), 3210lm, 35W, 92lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<23, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C, Can be covered with building insulation of Glass wool type



### PRODUCT OVERVIEW

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Product name                    | RANA LINEAR R 3KLM NW OPAL EM          |
| Technology                      | LED                                    |
| Cap/Base                        | N/A                                    |
| Housing                         | Steel                                  |
| Mount                           | Ceiling recessed mounting              |
| Fixture rating                  | Enclosed                               |
| Environment                     | Internal                               |
| General application             | Office, Hospitality, Retail, Education |
| ETIM Class                      | EC002892                               |
| Warranty                        | 5 years                                |
| Fixture luminous flux (lm)      | 3210                                   |
| Luminaire efficacy (lm/W)       | 91.71                                  |
| LOR (%)                         | 100                                    |
| Colour temperature (K)          | 4000                                   |
| Light colour                    | Neutral White                          |
| CRI (Ra)                        | 80                                     |
| Colour Variation Initial (SDCM) | SDCM3                                  |
| Colour Consistency (SDCM)       | 3                                      |
| Glare control                   | < 23                                   |
| Photobiological Risk Group      | RG0                                    |
| Luminous flux (emergency) (lm)  | 452                                    |
| Total power consumption (W)     | 35                                     |
| Electrical protection           | Class I                                |
| Control gear type               | Electronic ballast                     |
| Dimmable                        | No                                     |
| Dimming method                  | N/A                                    |
| LED Flickering Rate             | Ultra low (5% or less)                 |
| Housing colour                  | RAL 9016 - Traffic white / Bezel       |
| IP rating                       | IP20                                   |
| IK rating                       | IK07                                   |
| Product EAN number              | 5410288523729                          |

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### DATA TABLE

#### General data

|                                                     |                                        |
|-----------------------------------------------------|----------------------------------------|
| Product name                                        | RANA LINEAR R 3KLM NW OPAL EM          |
| Technology                                          | LED                                    |
| Cap/Base                                            | N/A                                    |
| Housing                                             | Steel                                  |
| Mount                                               | Ceiling recessed mounting              |
| 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)      | 3210          |
| Luminaire efficacy (lm/W)       | 91.71         |
| LOR (%)                         | 100           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Colour Consistency (SDCM)       | 3             |
| Adjustable chromaticity         | N             |
| Distribution type               | Symmetric     |
| Glare control                   | < 23          |
| Photobiological Risk Group      | RG0           |
| Luminous flux (emergency) (lm)  | 452           |
| Emergency duration (h)          | 3.0           |

#### Electrical data

|                                                                |                    |
|----------------------------------------------------------------|--------------------|
| Total power consumption (W)                                    | 35                 |
| Mains voltage (V)                                              | 220-240V           |
| Lamp power factor                                              | 0.95               |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 20                 |
| Electrical protection                                          | Class I            |
| Control gear type                                              | Electronic ballast |
| Transformer required                                           | Yes                |
| Dimmable                                                       | No                 |
| Dimming method                                                 | N/A                |
| Drive current (mA)                                             | 300                |
| Inrush Current (A)                                             | 22                 |
| Inrush Duration (µs)                                           | 250                |
| Glow Wire Test (°C)                                            | 850                |

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|                                                          |                        |
|----------------------------------------------------------|------------------------|
| 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                        | 40                     |
| Max. Luminaires per 13A C Breaker                        | 51                     |
| Max. Luminaires per 16A C Breaker                        | 63                     |
| Max. Luminaires per 20A C Breaker                        | 80                     |
| Max. Luminaires per 10A B Breaker                        | 15                     |
| Max. Luminaires per 13A B Breaker                        | 31                     |
| Max. Luminaires per 16A B Breaker                        | 25                     |
| Max. Luminaires per 20A B Breaker                        | 48                     |

### 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                                   | Opal                             |
| Diffuser material                                 | PC Polycarbonate                 |
| Nominal Product Length (mm)                       | 1150                             |
| Nominal Product Width (mm)                        | 90                               |
| Nominal Product Height (mm)                       | 91                               |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 72                               |
| Weight (kg)                                       | 3.65                             |
| Recessed Depth (mm)                               | 90                               |

### Packaging

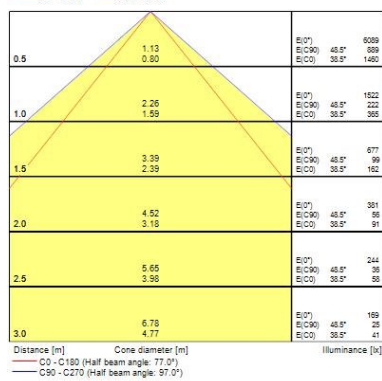
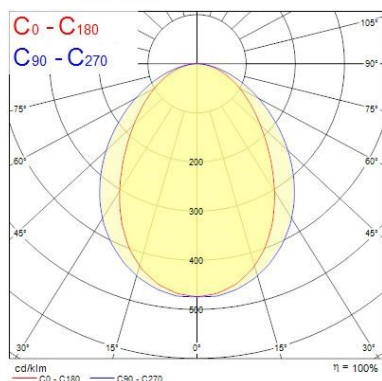
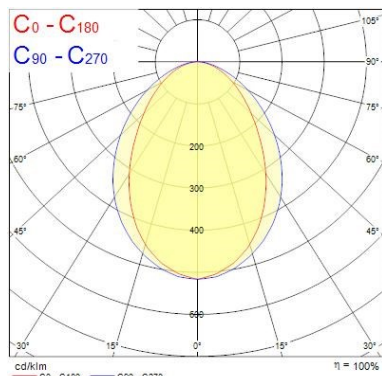
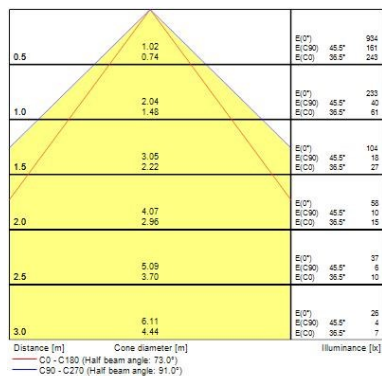
|                                       |               |
|---------------------------------------|---------------|
| Single packaging type                 | Carton        |
| Product EAN number                    | 5410288523729 |
| Packaging single length / height (cm) | 117.0         |
| Packaging single width (cm)           | 10.5          |
| Packaging single depth (cm)           | 11.5          |
| DUN14 (outer)                         | 5410288523729 |
| Units per outer package               | 1             |
| Packaging outer length / height (cm)  | 117.0         |
| Packaging outer width (cm)            | 10.5          |
| Packaging outer depth (cm)            | 11.5          |

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## Safety data

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

## PHOTOMETRY



## TECHNICAL DRAWINGS

