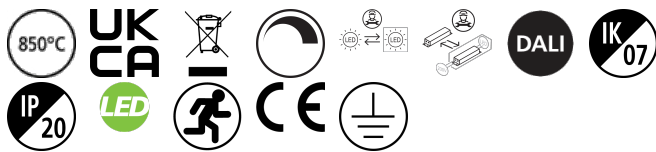


RANA Linear Recessed - MicroPrismatic Optic  
RANA LINEAR R 3KLM NW MPO D EMPRO  
0052349



Product features

- Ceiling recessed LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, DALI Dimmable (Switch-Dim), 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, Can be covered with building insulation of Glass wool type



PRODUCT OVERVIEW

|                                |                                        |
|--------------------------------|----------------------------------------|
| Product name                   | RANA LINEAR R 3KLM NW MPO D EMPRO      |
| 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)     | 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                  | < 22                                   |
| Photobiological Risk Group     | RG0                                    |
| Luminous flux (emergency) (lm) | 463                                    |
| Total power consumption (W)    | 35                                     |
| Electrical protection          | Class I                                |
| Control gear type              | Electronic ballast                     |
| Dimmable                       | Yes                                    |
| Dimming method                 | DALI                                   |
| Minimum dimming level (%)      | 1                                      |
| Housing colour                 | RAL 9016 - Traffic white / Bezel       |
| IP rating                      | IP20                                   |
| IK rating                      | IK07                                   |
| Product EAN number             | 5410288523491                          |

## RANA Linear Recessed - MicroPrismatic Optic

*RANA LINEAR R 3KLM NW MPO D EMPRO*  
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### DATA TABLE

#### General data

|                                                     |                                        |
|-----------------------------------------------------|----------------------------------------|
| Product name                                        | RANA LINEAR R 3KLM NW MPO D EMPRO      |
| 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)     | 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                  | < 22          |
| Photobiological Risk Group     | RG0           |
| Luminous flux (emergency) (lm) | 463           |
| Emergency duration (h)         | 3.0           |

#### Electrical data

|                                                          |                    |
|----------------------------------------------------------|--------------------|
| Total power consumption (W)                              | 35                 |
| Primary Supply/Product voltage - min (V)                 | 220                |
| Primary Supply/Product voltage - max (V)                 | 240                |
| Electrical protection                                    | Class I            |
| Control gear type                                        | Electronic ballast |
| Dimmable                                                 | Yes                |
| Dimming method                                           | DALI               |
| Minimum dimming level (%)                                | 1                  |
| Drive current (mA)                                       | 300                |
| Inrush Current (A)                                       | 53                 |
| Inrush Duration (µs)                                     | 300                |
| Glow Wire Test (°C)                                      | 850                |
| Energy Efficiency Class (A->G) of contained light source | C                  |
| Nominal Frequency (Hz)                                   | 50/60Hz            |
| Max. products per 16A C Breaker                          | 22                 |

## RANA Linear Recessed - MicroPrismatic Optic

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|                                                 |     |
|-------------------------------------------------|-----|
| Connectable conductor cross section - Min (mm²) | 2.5 |
| Connectable conductor cross section - Max (mm²) | 2.5 |

### 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)                        | 90                               |
| Nominal Product Height (mm)                       | 91                               |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 72                               |
| Weight (kg)                                       | 3.75                             |
| Recessed Depth (mm)                               | 90                               |

### Packaging

|                                       |               |
|---------------------------------------|---------------|
| Single packaging type                 | Carton        |
| Product EAN number                    | 5410288523491 |
| Packaging single length / height (cm) | 117.0         |
| Packaging single width (cm)           | 10.5          |
| Packaging single depth (cm)           | 11.5          |
| DUN14 (outer)                         | 5410288523491 |
| Units per outer package               | 1             |
| Packaging outer length / height (cm)  | 117.0         |
| Packaging outer width (cm)            | 10.5          |
| Packaging outer depth (cm)            | 11.5          |

### Safety data

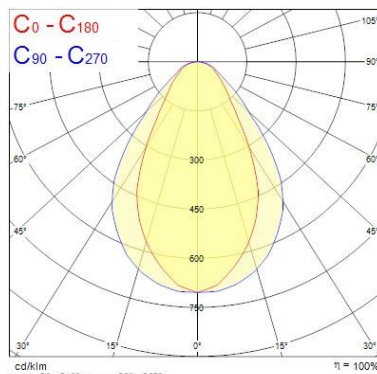
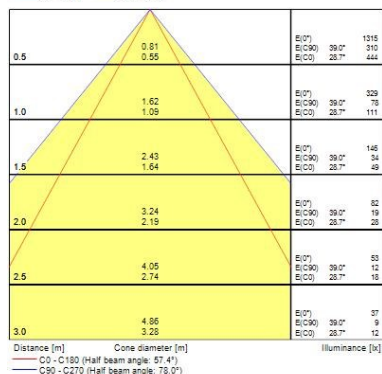
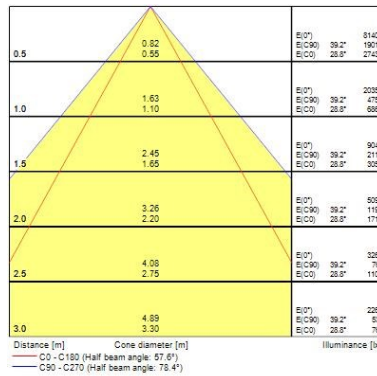
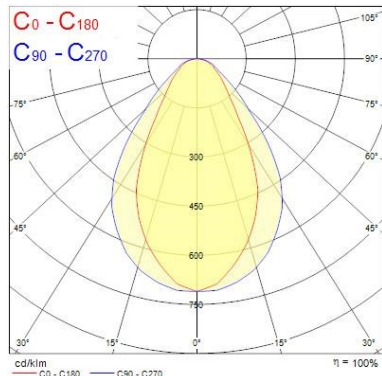
|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 5-30 |
|----------------------------------|------|

## PHOTOMETRY

## RANA Linear Recessed - MicroPrismatic Optic

### RANA LINEAR R 3KLM NW MPO D EMPRO

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## TECHNICAL DRAWINGS

