

Features

- Ceiling recessed LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, DALI Dimmable (Switch-Dim), Neutral White LED (4000K), 3100lm, 31W, 100lm/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

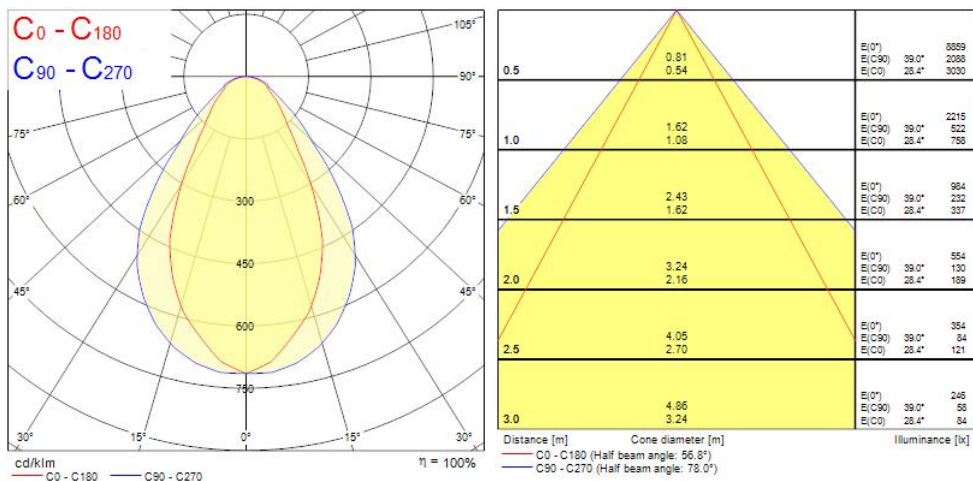
Product Overview

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Product name                      | RANA LINEAR R 3KLM NW MPO D            |
| 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                               |
| Fixture luminous flux (lm)        | 3100                                   |
| Luminaire efficacy (lm/W)         | 97.74                                  |
| LOR (%)                           | 100                                    |
| Correlated colour temperature (k) | 4000                                   |
| Light colour                      | Neutral White                          |
| CRI (Ra)                          | 80                                     |
| Colour Consistency (SDCM)         | 3                                      |
| Glare control                     | < 21                                   |
| Photobiological Risk Group        | RG0                                    |
| Total power consumption (W)       | 31                                     |

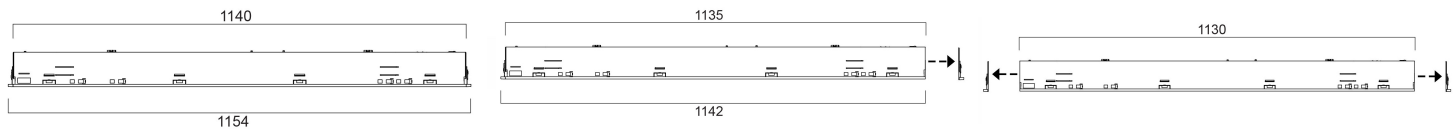
RANA LINEAR R 3KLM NW MPO D  
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|                           |                    |
|---------------------------|--------------------|
| Electrical protection     | Class I            |
| Control gear type         | Electronic ballast |
| Dimmable                  | Yes                |
| Minimum dimming level (%) | 1                  |
| Housing colour            | RAL9016            |
| IP rating                 | IP20               |
| IK rating                 | IK07               |
| Product EAN number        | 5410288523415      |
| Warranty                  | 5 years            |
| Dimming method            | DALI               |

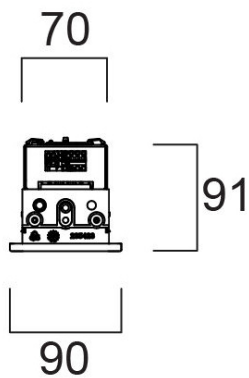
Photometry



Technical drawings



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Data table

GENERAL DATA

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Product name                            | RANA LINEAR R 3KLM NW MPO D            |
| 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)        | -25°C...+40°C                          |
| Performance ambient temperature Tq (°C) | 25                                     |
| ETIM Class                              | EC002892                               |
| Warranty                                | 5 years                                |

OPTICAL DATA

|                                   |       |
|-----------------------------------|-------|
| Fixture luminous flux (lm)        | 3100  |
| Luminaire efficacy (lm/W)         | 97.74 |
| LOR (%)                           | 100   |
| Correlated colour temperature (k) | 4000  |

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|                            |               |
|----------------------------|---------------|
| Light colour               | Neutral White |
| CRI (Ra)                   | 80            |
| Colour Consistency (SDCM)  | 3             |
| Glare control              | < 21          |
| Photobiological Risk Group | RG0           |

### ELECTRICAL DATA

|                                                                  |                    |
|------------------------------------------------------------------|--------------------|
| Total power consumption (W)                                      | 31                 |
| Primary Supply/Product voltage - min (V)                         | 220                |
| Primary Supply/Product voltage - max (V)                         | 240                |
| Lamp power factor                                                | 0.98               |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 9                  |
| Electrical protection                                            | Class I            |
| Control gear required                                            | Yes                |
| Control gear type                                                | Electronic ballast |
| Dimmable                                                         | Yes                |
| Dimming method                                                   | DALI               |
| Minimum dimming level (%)                                        | 1                  |
| Drive current (mA)                                               | 300                |
| Inrush Current (A)                                               | 29                 |
| Inrush Duration (µs)                                             | 180                |
| Energy Efficiency Class (A->G) of contained light source         | C                  |
| Nominal Frequency (Hz)                                           | 50/60Hz            |
| 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                 |
| Connectable conductor cross section - Min (mm²)                  | 2.5                |

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|                                                    |     |
|----------------------------------------------------|-----|
| Connectable conductor cross section -<br>Max (mm²) | 2.5 |
|----------------------------------------------------|-----|

### LIFETIME DATA

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 72000 |
| Lifespan L70 B10 | 72000 |
| Lifespan L80 B50 | 72000 |
| Lifespan L80 B10 | 72000 |
| Lifespan L90 B50 | 72000 |
| Lifespan L90 B20 | 50000 |
| Lifespan L90 B10 | 46000 |

### PHYSICAL DATA

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | RAL9016          |
| 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               |
| Weight (kg)                 | 3.15             |
| Recessed Depth (mm)         | 90               |

### PACKAGING

|                                       |               |
|---------------------------------------|---------------|
| Product EAN number                    | 5410288523415 |
| Packaging single length / height (cm) | 117.09        |
| Packaging single width (cm)           | 10.52         |
| Packaging single depth (cm)           | 11.51         |
| DUN14 (inner)                         | 5410288523415 |
| Units per outer package               | 1             |
| Packaging outer length / height (cm)  | 117.09        |
| Packaging outer width (cm)            | 10.52         |
| Packaging outer depth (cm)            | 11.51         |



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SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Glow Wire Test (°C)                 | 850    |
| Optimal operating condition (°C)    | -25-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |