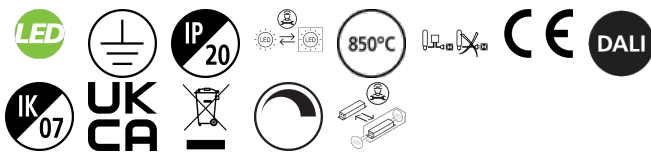


RANA Linear Recessed - Opal Diffuser  
RANA LINEAR R 3KLM NW OPAL D  
0052365



Product features

- Ceiling recessed LED Linear luminaire with Opal diffuser, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, DALI Dimmable (Switch-Dim), Neutral White LED (4000K), 3270lm, 31W, 105lm/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 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                               |
| Warranty                    | 5 years                                |
| Fixture luminous flux (lm)  | 3270                                   |
| Luminaire efficacy (lm/W)   | 105.48                                 |
| LOR (%)                     | 100                                    |
| Colour temperature (K)      | 4000                                   |
| Light colour                | Neutral White                          |
| CRI (Ra)                    | 80                                     |
| Colour Consistency (SDCM)   | 3                                      |
| Glare control               | < 23                                   |
| Photobiological Risk Group  | RG0                                    |
| Total power consumption (W) | 31                                     |
| 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          | 5410288523651                          |

## RANA Linear Recessed - Opal Diffuser

*RANA LINEAR R 3KLM NW OPAL D*  
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### DATA TABLE

#### General data

|                                                     |                                        |
|-----------------------------------------------------|----------------------------------------|
| Product name                                        | RANA LINEAR R 3KLM NW OPAL 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 T <sub>q</sub> (°C) | 25                                     |
| ETIM Class                                          | EC002892                               |
| Warranty                                            | 5 years                                |

#### Optical data

|                            |               |
|----------------------------|---------------|
| Fixture luminous flux (lm) | 3270          |
| Luminaire efficacy (lm/W)  | 105.48        |
| LOR (%)                    | 100           |
| Colour temperature (K)     | 4000          |
| Light colour               | Neutral White |
| CRI (Ra)                   | 80            |
| Colour Consistency (SDCM)  | 3             |
| Glare control              | < 23          |
| 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                |
| Glow Wire Test (°C)                                            | 850                |
| Energy Efficiency Class (A->G) of contained light source       | C                  |
| Nominal Frequency (Hz)                                         | 50/60Hz            |
| Max. products per 10A C Breaker                                | 21                 |

## RANA Linear Recessed - Opal Diffuser

*RANA LINEAR R 3KLM NW OPAL D*

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|                                                 |     |
|-------------------------------------------------|-----|
| 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 |
| Connectable conductor cross section - 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                                    | 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)                                       | 3.15                             |
| Recessed Depth (mm)                               | 90                               |

### Packaging

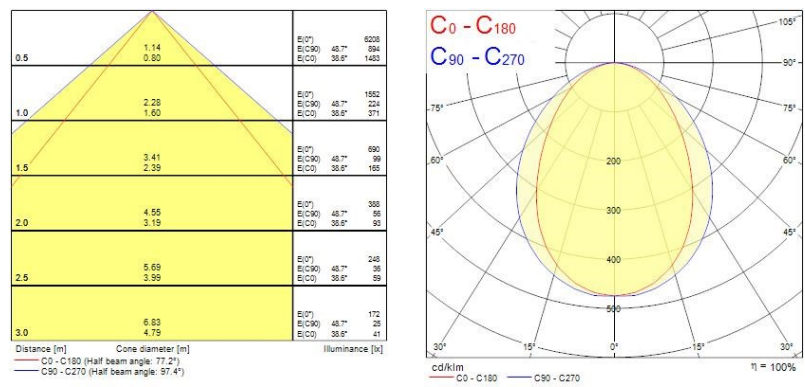
|                                       |               |
|---------------------------------------|---------------|
| Single packaging type                 | Carton        |
| Product EAN number                    | 5410288523651 |
| Packaging single length / height (cm) | 117.09        |
| Packaging single width (cm)           | 10.52         |
| Packaging single depth (cm)           | 11.51         |
| DUN14 (outer)                         | 5410288523651 |
| Units per outer package               | 1             |
| Packaging outer length / height (cm)  | 117.09        |
| Packaging outer width (cm)            | 10.52         |
| Packaging outer depth (cm)            | 11.51         |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -25-40 |
|----------------------------------|--------|

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PHOTOMETRY



TECHNICAL DRAWINGS

