

RANA Linear Surface&Suspended - Opal Diffuser  
RANA LINEAR S 3KLM WW OPAL 1-10  
0051280



Product features

- Surface or Suspended LED Linear luminaire with Opal diffuser, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, 1-10V Dimmable, Warm White LED (3000K), 3220lm, 31W, 104lm/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



PRODUCT OVERVIEW

|                             |                                        |
|-----------------------------|----------------------------------------|
| Product name                | RANA LINEAR S 3KLM WW OPAL 1-10        |
| 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)  | 3220                                   |
| Luminaire efficacy (lm/W)   | 103.87                                 |
| LOR (%)                     | 100                                    |
| Colour temperature (K)      | 3000                                   |
| Light colour                | Warm 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              | 1-10V (Analogue)                       |
| Minimum dimming level (%)   | 10                                     |
| Housing colour              | RAL 9016 - Traffic white / Bezel       |
| IP rating                   | IP20                                   |
| IK rating                   | IK01                                   |
| Product EAN number          | 5410288512808                          |

## RANA Linear Surface&Suspended - Opal Diffuser

*RANA LINEAR S 3KLM WW OPAL 1-10*  
0051280

### DATA TABLE

#### General data

|                                                     |                                        |
|-----------------------------------------------------|----------------------------------------|
| Product name                                        | RANA LINEAR S 3KLM WW OPAL 1-10        |
| 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)                    | -20°C...+40°C                          |
| Performance ambient temperature T <sub>q</sub> (°C) | 25                                     |
| ETIM Class                                          | EC002892                               |
| Warranty                                            | 5 years                                |

#### Optical data

|                            |            |
|----------------------------|------------|
| Fixture luminous flux (lm) | 3220       |
| Luminaire efficacy (lm/W)  | 103.87     |
| LOR (%)                    | 100        |
| Colour temperature (K)     | 3000       |
| Light colour               | Warm White |
| CRI (Ra)                   | 80         |
| Colour Consistency (SDCM)  | 3          |
| Adjustable chromaticity    | N          |
| 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                |
| Electrical protection                                    | Class I            |
| Control gear type                                        | Electronic ballast |
| Dimmable                                                 | Yes                |
| Dimming method                                           | 1-10V (Analogue)   |
| Minimum dimming level (%)                                | 10                 |
| Drive current (mA)                                       | 305                |
| 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. products per 16A C Breaker                          | 51                 |
| Connectable conductor cross section - Min (mm²)          | 2.5                |

## RANA Linear Surface&Suspended - Opal Diffuser

*RANA LINEAR S 3KLM WW OPAL 1-10*  
0051280

|                                                 |     |
|-------------------------------------------------|-----|
| 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                   | IK01                             |
| Diffuser finish             | Opal                             |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1150                             |
| Nominal Product Width (mm)  | 87                               |
| Nominal Product Height (mm) | 87                               |
| Weight (kg)                 | 2.95                             |

### Packaging

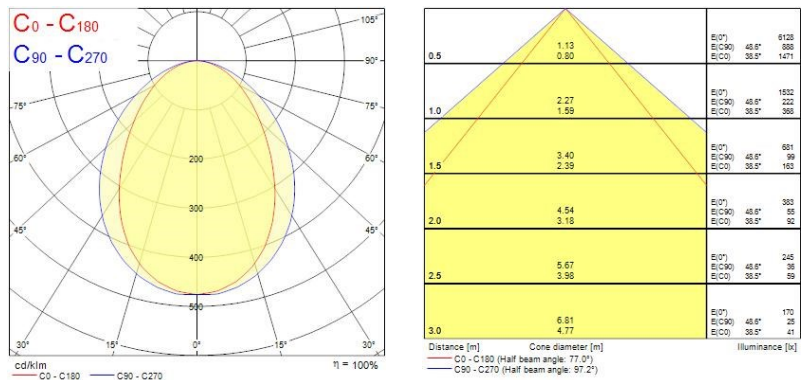
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288512808  |
| Packaging single length / height (cm) | 116.5          |
| Packaging single width (cm)           | 10.5           |
| Packaging single depth (cm)           | 10.0           |
| DUN14 (outer)                         | 05410288512808 |
| 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) | -20-40 |
|----------------------------------|--------|

## PHOTOMETRY

RANA Linear Surface&Suspended - Opal Diffuser  
RANA LINEAR S 3KLM WW OPAL 1-10  
0051280



TECHNICAL DRAWINGS

