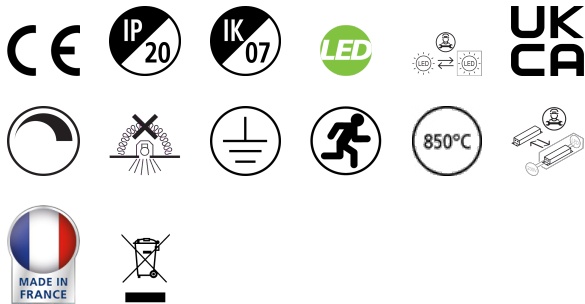


# RANA LINEAR R 3KLM NW OPAL 1-10 EM

Item No: 0052374

**SYLVANIA**

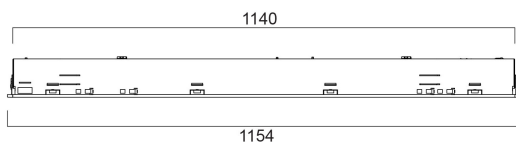
**PRO**<sup>TM</sup>



Ceiling recessed LED Linear luminaire with Opal diffuser, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, 1-10V Dimmable, 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

## Technical Assets

### Dimensions (mm)

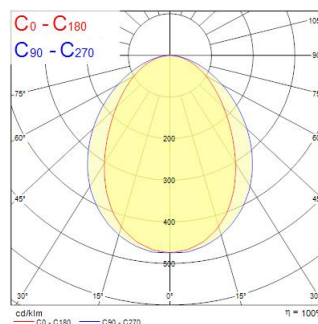


### Photometrics

|     |              |                      |                     |
|-----|--------------|----------------------|---------------------|
| 0.5 | 1.13<br>0.80 | 5071<br>5100<br>5129 | 6039<br>599<br>1460 |
| 1.0 | 2.26<br>1.60 | 5071<br>5100<br>5129 | 1522<br>222<br>265  |
| 1.5 | 3.39<br>2.40 | 5071<br>5100<br>5129 | 677<br>98<br>182    |
| 2.0 | 4.52<br>3.15 | 5071<br>5100<br>5129 | 381<br>56<br>91     |
| 2.5 | 5.65<br>3.96 | 5071<br>5100<br>5129 | 244<br>36<br>58     |
| 3.0 | 6.78<br>4.77 | 5071<br>5100<br>5129 | 189<br>28<br>41     |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (half beam angle: 77.0°)  
— C90 - C270 (half beam angle: 97.0°)



# RANA LINEAR R 3KLM NW OPAL 1-10 EM

Item No: 0052374

**SYLVANIA**

## General data

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| Product name                            | RANA LINEAR R 3KLM NW OPAL 1-10 EM |
| Technology                              | LED                                |
| Cap/Base                                | N/A                                |
| Housing                                 | Steel                              |
| Mount                                   | Ceiling recessed mounting          |
| Built in presence detector              | NONE                               |
| Fixture rating                          | Enclosed                           |
| Environment                             | Internal                           |
| General application                     | Office, Education, Retail          |
| Operating temperature range (°C)        | 5°C...+30°C                        |
| Performance ambient temperature Tq (°C) | 25                                 |
| Virtual assistant compatibility         | N/A                                |
| ETIM Class                              | EC002892                           |
| Warranty                                | 5 years                            |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 3210          |
| Luminaire efficacy (lm/W)         | 92            |
| LOR (%)                           | 100           |
| Correlated 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                     | < 25          |
| Photobiological Risk Group        | RG0           |
| Luminous flux (emergency) (lm)    | 452           |

## Electrical data

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Emergency mode                                                   | Maintained                  |
| Emergency type                                                   |                             |
| Emergency duration (h)                                           | 3                           |
| Total power consumption (W)                                      | 35                          |
| Primary Supply/Product voltage - min (V)                         | 220.0                       |
| Primary Supply/Product voltage - max (V)                         | 240.0                       |
| Lamp power factor                                                | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 10                          |
| Electrical protection                                            | Class I                     |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | Yes                         |
| Dimming method                                                   | 1-10V (Analogue)            |
| Minimum dimming level (%)                                        | 10                          |
| Drive current (mA)                                               | 300                         |
| Inrush Current (A)                                               | 45                          |
| Inrush Duration (µs)                                             | 100                         |
| Energy Efficiency Class (A->G) of contained light source         | C                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 31                          |
| Max. products per 16A C Breaker                                  | 51                          |
| Max. products per 20A C Breaker                                  | 62                          |
| Max. products per 10A B Breaker                                  | 18                          |
| Max. products per 16A B Breaker                                  | 30                          |
| Max. products per 20A B Breaker                                  | 37                          |
| Connectable conductor cross section - Min (mm²)                  | 0.75                        |
| Connectable conductor cross section - Max (mm²)                  | 2.5                         |

# RANA LINEAR R 3KLM NW OPAL 1-10 EM

Item No: 0052374

**SYLVANIA**

## 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                 |
| Reflector finish            | Not Applicable                   |
| Nominal Product Length (mm) | 1150                             |
| Nominal Product Width (mm)  | 90                               |
| Nominal Product Height (mm) | 91                               |
| Weight (kg)                 | 3.75                             |
| Recessed Depth (mm)         | 90                               |

## Packaging

|                                       |               |
|---------------------------------------|---------------|
| Product EAN number                    | 5410288523743 |
| Packaging single length / height (cm) | 117.0         |
| Packaging single width (cm)           | 10.5          |
| Packaging single depth (cm)           | 11.5          |
| DUN14 (inner)                         | 5410288523743 |
| 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

|                                  |      |
|----------------------------------|------|
| Glow Wire Test (°C)              | 850  |
| Optimal operating condition (°C) | 5-30 |