



Features

- Surface or Suspended LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, 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

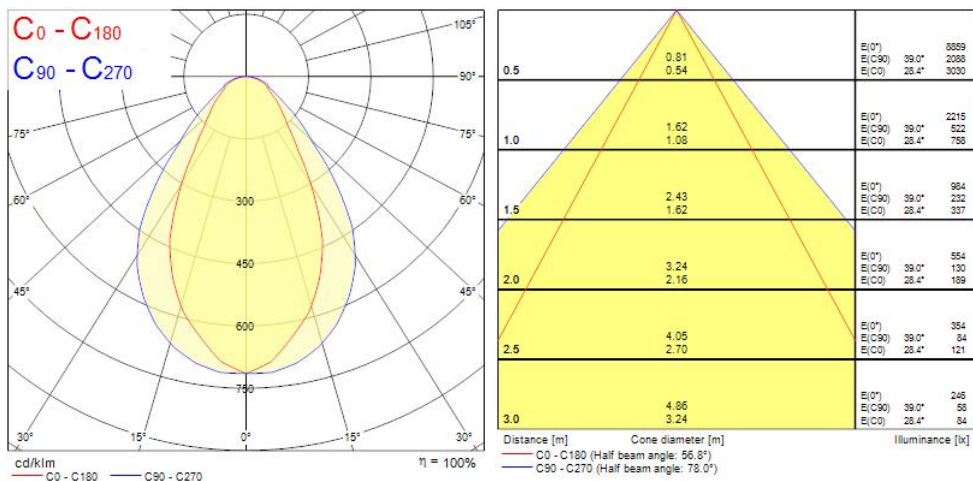
Product Overview

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Product name                    | RANA LINEAR S 3KLM NW MPO              |
| 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                               |
| E-number SE                     | 7502669                                |
| Fixture luminous flux (lm)      | 3100                                   |
| Luminaire efficacy (lm/W)       | 100                                    |
| LOR (%)                         | 100                                    |
| Colour temperature (K)          | 4000                                   |
| Light colour                    | Neutral White                          |
| CRI (Ra)                        | 80                                     |
| Colour Consistency (SDCM)       | 3                                      |
| Colour Variation Initial (SDCM) | 3                                      |
| Glare control                   | < 21                                   |
| Photobiological Risk Group      | RG0                                    |
| Total power consumption (W)     | 31                                     |

RANA LINEAR S 3KLM NW MPO  
0051250

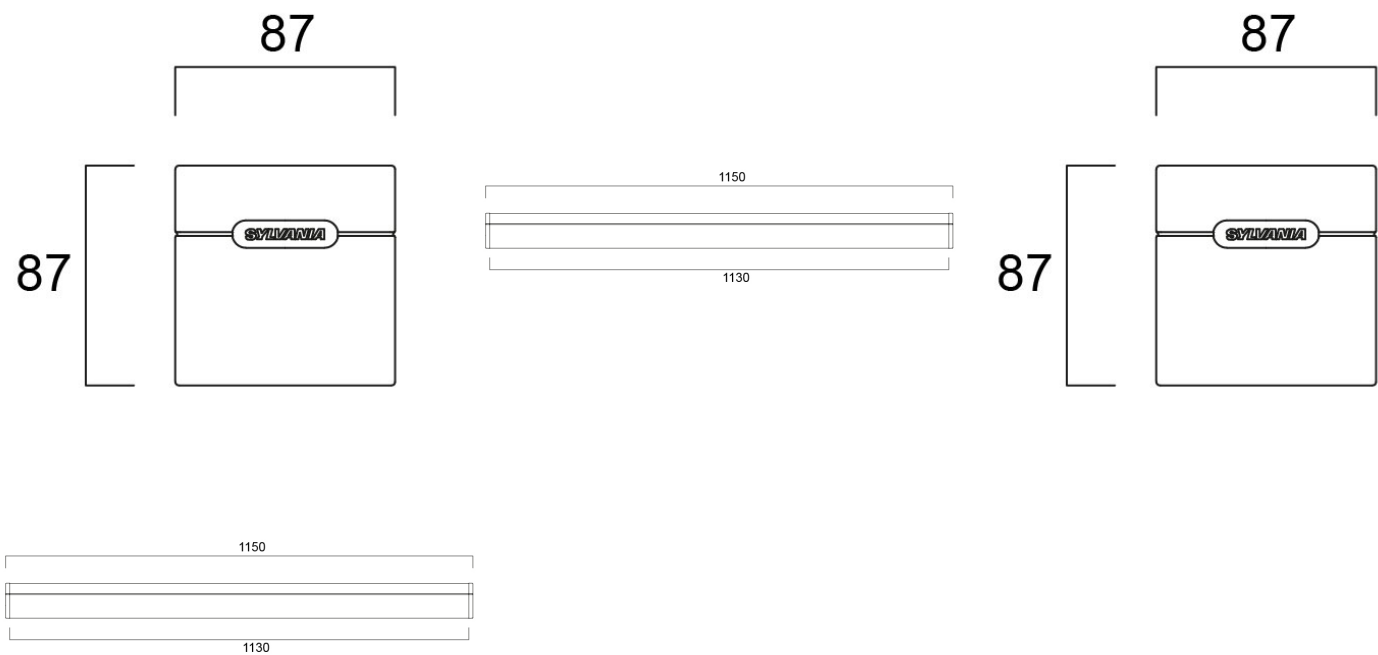
|                       |                                  |
|-----------------------|----------------------------------|
| Electrical protection | Class I                          |
| Control gear type     | Electronic ballast               |
| Dimmable              | No                               |
| LED Flickering Rate   | Ultra low (5% or less)           |
| Housing colour        | RAL 9016 - Traffic white / Bezel |
| IP rating             | IP20                             |
| IK rating             | IK07                             |
| Product EAN number    | 5410288512501                    |
| Warranty              | 5 years                          |
| Dimming method        | N/A                              |

Photometry



RANA LINEAR S 3KLM NW MPO  
0051250

Technical drawings



Data table

GENERAL DATA

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Product name                            | RANA LINEAR S 3KLM NW MPO              |
| 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 Tq (°C) | 25                                     |

## RANA LINEAR S 3KLM NW MPO 0051250

|             |          |
|-------------|----------|
| ETIM Class  | EC002892 |
| E-number SE | 7502669  |
| Warranty    | 5 years  |

### OPTICAL DATA

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 3100          |
| Luminaire efficacy (lm/W)       | 100           |
| LOR (%)                         | 100           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Consistency (SDCM)       | 3             |
| Colour Variation Initial (SDCM) | 3             |
| Adjustable chromaticity         | N             |
| Distribution type               | Symmetric     |
| Glare control                   | < 21          |
| Photobiological Risk Group      | RG0           |

### ELECTRICAL DATA

|                                                                  |                    |
|------------------------------------------------------------------|--------------------|
| Total power consumption (W)                                      | 31                 |
| Mains voltage (V)                                                | 220-240V           |
| Lamp power factor                                                | 0.95               |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 20                 |
| Electrical protection                                            | Class I            |
| Control gear required                                            | No                 |
| Control gear type                                                | Electronic ballast |
| Transformer required                                             | Yes                |
| Dimmable                                                         | No                 |
| Dimming method                                                   | N/A                |
| Drive current (mA)                                               | 300                |
| Inrush Current (A)                                               | 22                 |
| Inrush Duration (µs)                                             | 250                |
| Glow Wire Test (°C)                                              | 850                |

## RANA LINEAR S 3KLM NW MPO 0051250

|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Energy Efficiency Class (A->G) of contained light source | C                      |
| Nominal Frequency (Hz)                                   | 50/60Hz                |
| LED Flickering Rate                                      | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker                        | 40                     |
| Max. Luminaires per 13A C Breaker                        | 51                     |
| Max. Luminaires per 16A C Breaker                        | 63                     |
| Max. Luminaires per 20A C Breaker                        | 80                     |
| Max. Luminaires per 10A B Breaker                        | 15                     |
| Max. Luminaires per 13A B Breaker                        | 31                     |
| Max. Luminaires per 16A B Breaker                        | 25                     |
| Max. Luminaires per 20A B Breaker                        | 48                     |

### 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)  | 87                               |
| Nominal Product Height (mm) | 87                               |
| Weight (kg)                 | 2.888                            |

### PACKAGING

|                                       |               |
|---------------------------------------|---------------|
| Single packaging type                 | Carton        |
| Product EAN number                    | 5410288512501 |
| Packaging single length / height (cm) | 116.0         |
| Packaging single width (cm)           | 10.3          |
| Packaging single depth (cm)           | 10.0          |
| DUN14 (outer)                         | 5410288512501 |
| Units per outer package               | 1             |
| Packaging outer length / height (cm)  | 116.0         |
| Packaging outer width (cm)            | 10.3          |
| Packaging outer depth (cm)            | 10.0          |

### SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Optimal operating condition (°C)    | -20-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |