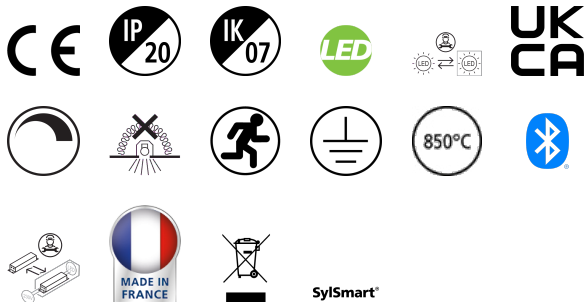


# RANA NEO 4700LM S 1500 840 SSC EM 1L WHITE

Item No: 0054257

**SYLVANIA**

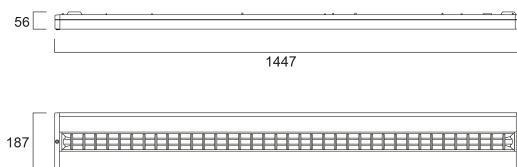
**PRO**<sup>TM</sup>



Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1447x187x56mm, White body colour, IP20, IK07, SylSmart Standalone capable, Emergency 3 hours, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 4700lm, 39W, 120lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, Luminance at 65° < 3000 cd/m2, Lifespan: 96,000 hours L80B20, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.

## Technical Assets

### Dimensions (mm)

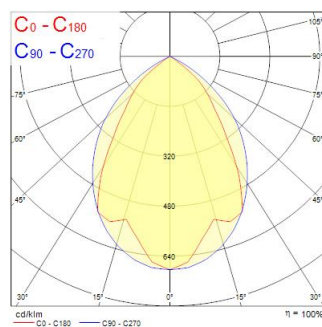


### Photometrics

|     |              |                        |                        |
|-----|--------------|------------------------|------------------------|
| 0.5 | 0.90<br>0.87 | S/D<br>S/C90<br>S/C270 | 1205<br>42.0°<br>33.9° |
| 1.0 | 1.80<br>1.74 | S/D<br>S/C90<br>S/C270 | 3209<br>42.0°<br>33.9° |
| 1.5 | 2.70<br>2.62 | S/D<br>S/C90<br>S/C270 | 1428<br>42.0°<br>33.9° |
| 2.0 | 3.60<br>3.49 | S/D<br>S/C90<br>S/C270 | 802<br>42.0°<br>33.9°  |
| 2.5 | 4.50<br>4.36 | S/D<br>S/C90<br>S/C270 | 513<br>42.0°<br>33.9°  |
| 3.0 | 5.40<br>5.13 | S/D<br>S/C90<br>S/C270 | 391<br>42.0°<br>33.9°  |

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

— C0 - C180 (half beam angle: 67.8°)  
— C90 - C270 (half beam angle: 54.0°)



# RANA NEO 4700LM S 1500 840 SSC EM 1L WHITE

Item No: 0054257

**SYLVANIA**

## General data

|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Product name                            | RANA NEO 4700LM S 1500 840 SSC EM 1L WHITE |
| Technology                              | LED                                        |
| Cap/Base                                | N/A                                        |
| Housing                                 | Steel                                      |
| Mount                                   | Ceiling surface mounting, Suspended        |
| Built in presence detector              | NONE                                       |
| General application                     | Office, Education                          |
| Operating temperature range (°C)        | 5°C...+25°C                                |
| Performance ambient temperature Tq (°C) | 25                                         |
| Virtual assistant compatibility         | N/A                                        |
| ETIM Class                              | EC002892                                   |
| Warranty                                | 5 years                                    |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 4700          |
| Luminaire efficacy (lm/W)         | 121           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Distribution type                 | Symmetric     |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG0           |
| Luminous flux (emergency) (lm)    | 80            |

## Electrical data

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| Emergency mode                                                   | Non-maintained                 |
| Emergency type                                                   |                                |
| Emergency duration (h)                                           | 3                              |
| Total power consumption (W)                                      | 39                             |
| Primary Supply/Product voltage - min (V)                         | 220.0                          |
| Primary Supply/Product voltage - max (V)                         | 240.0                          |
| 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                                            | No                             |
| Control gear type                                                | LED driver constant current    |
| Dimmable                                                         | Yes                            |
| Dimming method                                                   | SylSmart Standalone (SSC)      |
| Minimum dimming level (%)                                        | 1                              |
| Drive current (mA)                                               | 300                            |
| Inrush Current (A)                                               | 22.4                           |
| Inrush Duration (µs)                                             | 176                            |
| Energy Efficiency Class (A->G) of contained light source         | C, C(more than 1 Light Source) |
| Nominal Frequency (Hz)                                           | 50/60Hz                        |
| LED Flickering Rate                                              | Ultra low (5% or less)         |
| 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)                  | 0.75                           |
| Connectable conductor cross section - Max (mm²)                  | 2.5                            |

# RANA NEO 4700LM S 1500 840 SSC EM 1L WHITE

Item No: 0054257



## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 96000  |

## 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) | 1440                             |
| Nominal Product Width (mm)  | 187                              |
| Nominal Product Height (mm) | 47                               |
| Weight (kg)                 | 4.2                              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288542577  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (inner)                         | 05410288542577 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 153.5          |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 21.0           |

## Safety data

|                                  |      |
|----------------------------------|------|
| Glow Wire Test (°C)              | 850  |
| Optimal operating condition (°C) | 5-25 |