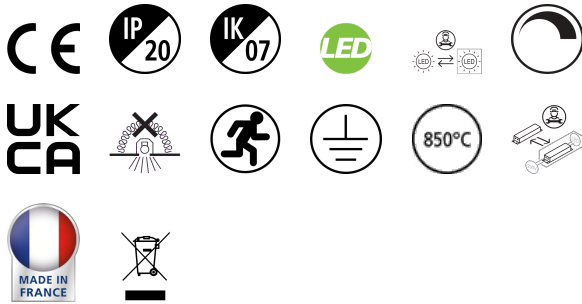


# RANA NEO 3500LM S 600 840 DALI EM 2L WHITE

Item No: 0054219

**SYLVANIA**

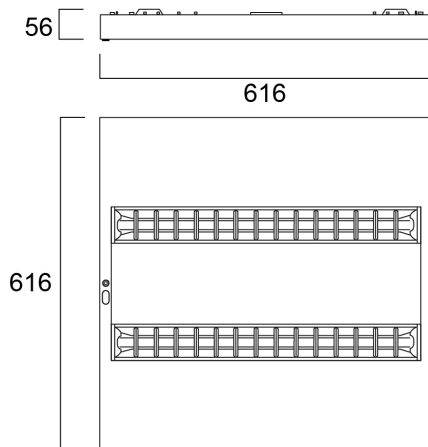
**PRO**<sup>TM</sup>



Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 616x616x56mm, White body colour, IP20, IK07, DALI Dimmable, Emergency 3 hours, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 3500lm, 33W, 106lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<15, 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

| Distance [m] | Cone diameter [m] | E107 | E108 | E109 | E110 | E111 | E112 | E113 | E114 |
|--------------|-------------------|------|------|------|------|------|------|------|------|
| 0.5          | 0.89<br>0.67      | 507  | 510  | 513  | 516  | 519  | 522  | 525  | 528  |
| 1.0          | 1.78<br>1.33      | 250  | 252  | 254  | 256  | 258  | 260  | 262  | 264  |
| 1.5          | 2.66<br>2.00      | 164  | 166  | 168  | 170  | 172  | 174  | 176  | 178  |
| 2.0          | 3.55<br>2.67      | 119  | 121  | 123  | 125  | 127  | 129  | 131  | 133  |
| 2.5          | 4.44<br>3.33      | 90   | 92   | 94   | 96   | 98   | 100  | 102  | 104  |
| 3.0          | 5.33<br>4.00      | 71   | 73   | 75   | 77   | 79   | 81   | 83   | 85   |

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

— C0 - C180 (Half beam angle: 67.4°)  
— C90 - C270 (Half beam angle: 63.2°)



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## General data

|   |  |
|---|--|
| Product name                            | RANA NEO 3500LM S 600 840 DALI EM 2L 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)        | 3500          |
| Luminaire efficacy (lm/W)         | 106           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Distribution type                 | Symmetric     |
| Glare control                     | < 16          |
| 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)                                      | 33                          |
| 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                           |
| 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 (mm <sup>2</sup> )     | 0.75                        |
| Connectable conductor cross section - Max (mm <sup>2</sup> )     | 2.5                         |

# RANA NEO 3500LM S 600 840 DALI EM 2L WHITE

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**SYLVANIA**

## 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) | 616                              |
| Nominal Product Width (mm)  | 616                              |
| Nominal Product Height (mm) | 50                               |
| Weight (kg)                 | 5.0                              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288542195  |
| Packaging single length / height (cm) | 67.0           |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 64.5           |
| DUN14 (inner)                         | 05410288542195 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 67.0           |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 64.5           |

## Safety data

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