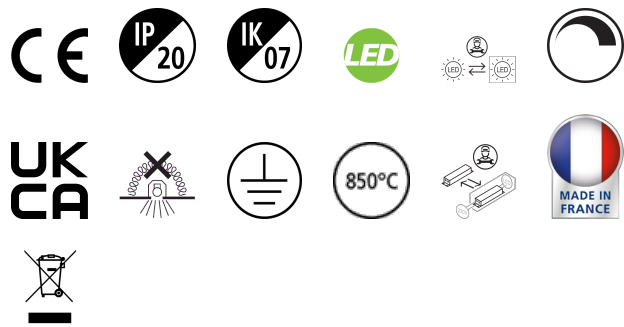


# RANA LED S 1200 LO 4K LOUV+PRI 1-10 W GEN2

Item No: 0051482



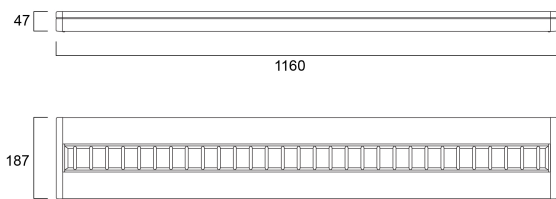
PRO



Surface or Suspended LED Linear luminaire with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x47mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 1130x65mm, 1-10V Dimmable, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 3000lm, 28W, 111lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<19, Luminance at 65° < 3000 cd/m2, Lumen Maintenance: L90B10 at 50,000 hours, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.

## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Beam intensity [lx] |
|--------------|-------------------|----------------|-------------------|----------------|---------------------|
| 0.5          | 0.54              | 63.3°          | 0.56              | 0.98           | 6871                |
| 1.0          | 1.08              | 63.3°          | 1.12              | 3.92           | 1768                |
| 1.5          | 1.62              | 63.3°          | 1.68              | 8.82           | 741                 |
| 2.0          | 2.16              | 63.3°          | 2.24              | 15.84          | 417                 |
| 2.5          | 2.70              | 63.3°          | 2.80              | 24.64          | 267                 |
| 3.0          | 3.24              | 63.3°          | 3.36              | 35.28          | 185                 |
| 3.5          | 3.78              | 63.3°          | 3.92              | 48.02          | 136                 |
| 4.0          | 4.32              | 63.3°          | 4.48              | 62.72          | 105                 |
| 4.5          | 4.86              | 63.3°          | 5.04              | 79.38          | 82                  |
| 5.0          | 5.40              | 63.3°          | 5.60              | 98.00          | 65                  |
| 5.5          | 5.94              | 63.3°          | 6.16              | 118.68         | 52                  |
| 6.0          | 6.48              | 63.3°          | 6.72              | 141.42         | 43                  |
| 6.5          | 7.02              | 63.3°          | 7.28              | 166.18         | 36                  |
| 7.0          | 7.56              | 63.3°          | 7.84              | 192.98         | 30                  |
| 7.5          | 8.10              | 63.3°          | 8.40              | 221.72         | 25                  |
| 8.0          | 8.64              | 63.3°          | 8.96              | 252.42         | 21                  |
| 8.5          | 9.18              | 63.3°          | 9.52              | 285.08         | 18                  |
| 9.0          | 9.72              | 63.3°          | 10.08             | 319.72         | 15                  |
| 9.5          | 10.26             | 63.3°          | 10.64             | 356.38         | 13                  |
| 10.0         | 10.80             | 63.3°          | 11.20             | 395.02         | 11                  |
| 10.5         | 11.34             | 63.3°          | 11.76             | 435.68         | 9                   |
| 11.0         | 11.88             | 63.3°          | 12.32             | 478.38         | 8                   |
| 11.5         | 12.42             | 63.3°          | 12.88             | 523.12         | 7                   |
| 12.0         | 12.96             | 63.3°          | 13.44             | 569.92         | 6                   |
| 12.5         | 13.50             | 63.3°          | 14.00             | 618.78         | 5                   |
| 13.0         | 14.04             | 63.3°          | 14.56             | 669.72         | 4                   |
| 13.5         | 14.58             | 63.3°          | 15.12             | 722.82         | 3                   |
| 14.0         | 15.12             | 63.3°          | 15.68             | 778.08         | 3                   |
| 14.5         | 15.66             | 63.3°          | 16.24             | 835.52         | 2                   |
| 15.0         | 16.20             | 63.3°          | 16.80             | 895.12         | 2                   |
| 15.5         | 16.74             | 63.3°          | 17.36             | 956.92         | 1                   |
| 16.0         | 17.28             | 63.3°          | 17.92             | 1020.92        | 1                   |
| 16.5         | 17.82             | 63.3°          | 18.48             | 1087.12        | 1                   |
| 17.0         | 18.36             | 63.3°          | 19.04             | 1155.52        | 1                   |
| 17.5         | 18.90             | 63.3°          | 19.60             | 1226.12        | 1                   |
| 18.0         | 19.44             | 63.3°          | 20.16             | 1298.92        | 1                   |
| 18.5         | 19.98             | 63.3°          | 20.72             | 1373.92        | 1                   |
| 19.0         | 20.52             | 63.3°          | 21.28             | 1451.12        | 1                   |
| 19.5         | 21.06             | 63.3°          | 21.84             | 1530.52        | 1                   |
| 20.0         | 21.60             | 63.3°          | 22.40             | 1612.12        | 1                   |
| 20.5         | 22.14             | 63.3°          | 22.96             | 1695.92        | 1                   |
| 21.0         | 22.68             | 63.3°          | 23.52             | 1781.92        | 1                   |
| 21.5         | 23.22             | 63.3°          | 24.08             | 1870.12        | 1                   |
| 22.0         | 23.76             | 63.3°          | 24.64             | 1960.52        | 1                   |
| 22.5         | 24.30             | 63.3°          | 25.20             | 2053.12        | 1                   |
| 23.0         | 24.84             | 63.3°          | 25.76             | 2147.92        | 1                   |
| 23.5         | 25.38             | 63.3°          | 26.32             | 2244.92        | 1                   |
| 24.0         | 25.92             | 63.3°          | 26.88             | 2344.12        | 1                   |
| 24.5         | 26.46             | 63.3°          | 27.44             | 2445.52        | 1                   |
| 25.0         | 27.00             | 63.3°          | 28.00             | 2549.12        | 1                   |
| 25.5         | 27.54             | 63.3°          | 28.56             | 2654.92        | 1                   |
| 26.0         | 28.08             | 63.3°          | 29.12             | 2762.92        | 1                   |
| 26.5         | 28.62             | 63.3°          | 29.68             | 2873.12        | 1                   |
| 27.0         | 29.16             | 63.3°          | 30.24             | 2985.52        | 1                   |
| 27.5         | 29.70             | 63.3°          | 30.80             | 3099.12        | 1                   |
| 28.0         | 30.24             | 63.3°          | 31.36             | 3214.92        | 1                   |
| 28.5         | 30.78             | 63.3°          | 31.92             | 3332.92        | 1                   |
| 29.0         | 31.32             | 63.3°          | 32.48             | 3453.12        | 1                   |
| 29.5         | 31.86             | 63.3°          | 33.04             | 3575.52        | 1                   |
| 30.0         | 32.40             | 63.3°          | 33.60             | 3699.12        | 1                   |
| 30.5         | 32.94             | 63.3°          | 34.16             | 3824.92        | 1                   |
| 31.0         | 33.48             | 63.3°          | 34.72             | 3952.92        | 1                   |
| 31.5         | 34.02             | 63.3°          | 35.28             | 4083.12        | 1                   |
| 32.0         | 34.56             | 63.3°          | 35.84             | 4215.52        | 1                   |
| 32.5         | 35.10             | 63.3°          | 36.40             | 4349.12        | 1                   |
| 33.0         | 35.64             | 63.3°          | 36.96             | 4484.92        | 1                   |
| 33.5         | 36.18             | 63.3°          | 37.52             | 4622.92        | 1                   |
| 34.0         | 36.72             | 63.3°          | 38.08             | 4763.12        | 1                   |
| 34.5         | 37.26             | 63.3°          | 38.64             | 4905.52        | 1                   |
| 35.0         | 37.80             | 63.3°          | 39.20             | 5049.12        | 1                   |
| 35.5         | 38.34             | 63.3°          | 39.76             | 5194.92        | 1                   |
| 36.0         | 38.88             | 63.3°          | 40.32             | 5342.92        | 1                   |
| 36.5         | 39.42             | 63.3°          | 40.88             | 5493.12        | 1                   |
| 37.0         | 39.96             | 63.3°          | 41.44             | 5645.52        | 1                   |
| 37.5         | 40.50             | 63.3°          | 42.00             | 5799.12        | 1                   |
| 38.0         | 41.04             | 63.3°          | 42.56             | 5954.92        | 1                   |
| 38.5         | 41.58             | 63.3°          | 43.12             | 6112.92        | 1                   |
| 39.0         | 42.12             | 63.3°          | 43.68             | 6273.12        | 1                   |
| 39.5         | 42.66             | 63.3°          | 44.24             | 6435.52        | 1                   |
| 40.0         | 43.20             | 63.3°          | 44.80             | 6599.12        | 1                   |
| 40.5         | 43.74             | 63.3°          | 45.36             | 6764.92        | 1                   |
| 41.0         | 44.28             | 63.3°          | 45.92             | 6932.92        | 1                   |
| 41.5         | 44.82             | 63.3°          | 46.48             | 7103.12        | 1                   |
| 42.0         | 45.36             | 63.3°          | 47.04             | 7275.52        | 1                   |
| 42.5         | 45.90             | 63.3°          | 47.60             | 7449.12        | 1                   |
| 43.0         | 46.44             | 63.3°          | 48.16             | 7624.92        | 1                   |
| 43.5         | 46.98             | 63.3°          | 48.72             | 7802.92        | 1                   |
| 44.0         | 47.52             | 63.3°          | 49.28             | 7983.12        | 1                   |
| 44.5         | 48.06             | 63.3°          | 49.84             | 8165.52        | 1                   |
| 45.0         | 48.60             | 63.3°          | 50.40             | 8349.12        | 1                   |
| 45.5         | 49.14             | 63.3°          | 50.96             | 8534.92        | 1                   |
| 46.0         | 49.68             | 63.3°          | 51.52             | 8722.92        | 1                   |
| 46.5         | 50.22             | 63.3°          | 52.08             | 8913.12        | 1                   |
| 47.0         | 50.76             | 63.3°          | 52.64             | 9105.52        | 1                   |
| 47.5         | 51.30             | 63.3°          | 53.20             | 9299.12        | 1                   |
| 48.0         | 51.84             | 63.3°          | 53.76             | 9494.92        | 1                   |
| 48.5         | 52.38             | 63.3°          | 54.32             | 9692.92        | 1                   |
| 49.0         | 52.92             | 63.3°          | 54.88             | 9893.12        | 1                   |
| 49.5         | 53.46             | 63.3°          | 55.44             | 10095.52       | 1                   |
| 50.0         | 54.00             | 63.3°          | 56.00             | 10299.12       | 1                   |
| 50.5         | 54.54             | 63.3°          | 56.56             | 10504.92       | 1                   |
| 51.0         | 55.08             | 63.3°          | 57.12             | 10712.92       | 1                   |
| 51.5         | 55.62             | 63.3°          | 57.68             | 10923.12       | 1                   |
| 52.0         | 56.16             | 63.3°          | 58.24             | 11135.52       | 1                   |
| 52.5         | 56.70             | 63.3°          | 58.80             | 11349.12       | 1                   |
| 53.0         | 57.24             | 63.3°          | 59.36             | 11564.92       | 1                   |
| 53.5         | 57.78             | 63.3°          | 59.92             | 11782.92       | 1                   |
| 54.0         | 58.32             | 63.3°          | 60.48             | 11999.12       | 1                   |
| 54.5         | 58.86             | 63.3°          | 61.04             | 12217.52       | 1                   |
| 55.0         | 59.40             | 63.3°          | 61.60             | 12438.12       | 1                   |
| 55.5         | 59.94             | 63.3°          | 62.16             | 12660.92       | 1                   |
| 56.0         | 60.48             | 63.3°          | 62.72             | 12885.12       | 1                   |
| 56.5         | 61.02             | 63.3°          | 63.28             | 13111.52       | 1                   |
| 57.0         | 61.56             | 63.3°          | 63.84             | 13339.12       | 1                   |
| 57.5         | 62.10             | 63.3°          | 64.40             | 13568.92       | 1                   |
| 58.0         | 62.64             | 63.3°          | 64.96             | 13799.12       | 1                   |
| 58.5         | 63.18             | 63.3°          | 65.52             | 14030.92       | 1                   |
| 59.0         | 63.72             | 63.3°          | 66.08             | 14264.12       | 1                   |
| 59.5         | 64.26             | 63.3°          | 66.64             | 14498.92       | 1                   |
| 60.0         | 64.80             | 63.3°          | 67.20             | 14735.12       | 1                   |
| 60.5         | 65.34             | 63.3°          | 67.76             | 14972.92       | 1                   |
| 61.0         | 65.88             | 63.3°          | 68.32             | 15212.12       | 1                   |
| 61.5         | 66.42             | 63.3°          | 68.88             | 15453.52       | 1                   |
| 62.0         | 66.96             | 63.3°          | 69.44             | 15696.12       | 1                   |
| 62.5         | 67.50             | 63.3°          | 70.00             | 15940.92       | 1                   |
| 63.0         | 68.04             | 63.3°          | 70.56             | 16187.12       | 1                   |
| 63.5         | 68.58             | 63.3°          | 71.12             | 16434.92       | 1                   |
| 64.0         | 69.12             | 63.3°          | 71.68             | 16683.12       | 1                   |
| 64.5         | 69.66             | 63.3°          | 72.24             | 16932.92       | 1                   |
| 65.0         | 70.20             | 63.3°          | 72.80             | 17184.12       | 1                   |
| 65.5         | 70.74             | 63.3°          | 73.36             | 17436.92       | 1                   |
| 66.0         | 71.28             | 63.3°          | 73.92             | 17691.12       | 1                   |
| 66.5         | 71.82             | 63.3°          | 74.48             | 17946.92       | 1                   |
| 67.0         | 72.36             | 63.3°          | 75.04             | 18204.12       | 1                   |
| 67.5         | 72.90             | 63.3°          | 75.60             | 18462.92       | 1                   |
| 68.0         | 73.44             | 63.3°          | 76.16             | 18723.12       | 1                   |
| 68.5         | 73.98             | 63.3°          | 76.72             | 18984.92       | 1                   |
| 69.0         | 74.52             | 63.3°          | 77.28             | 19248.12       | 1                   |
| 69.5         | 75.06             | 63.3°          | 77.84             | 19512.92       | 1                   |
| 70.0         | 75.60             | 63.3°          | 78.40             | 19779.12       | 1                   |
| 70.5         | 76.14             | 63.3°          | 78.96             | 20046.92       | 1                   |
| 71.0         | 76.68             | 63.3°          | 79.52             | 20316.12       | 1                   |
| 71.5         | 77.22             | 63.3°          | 80.08             | 20587.52       | 1                   |
| 72.0         | 77.76             | 63.3°          | 80.64             | 20860.12       | 1                   |
| 72.5         | 78.30             | 63.3°          | 81.20             | 21133.92       | 1                   |
| 73.0         | 78.84             | 63.3°          | 81.76             | 21409.12       | 1                   |
| 73.5         | 79.38             | 63.3°          | 82.32             | 21685.52       | 1                   |
| 74.0         | 79.92             | 63.3°          | 82.88             | 21963.12       | 1                   |
| 74.5         | 80.46             | 63.3°          | 83.44             | 22241.92       | 1                   |
| 75.0         | 81.00             | 63.3°          | 84.00             | 22522.12       | 1                   |
| 75.5         | 81.54             | 63.3°          | 84.56             | 22803.52       | 1                   |
| 76.0         | 82.08             | 63.3°          | 85.12             | 23086.12       | 1                   |
| 76.5         | 82.62             | 63.3°          | 85.68             | 23370.92       | 1                   |
| 77.0         | 83.16             | 63.3°          | 86.24             | 23657.12       | 1                   |
| 77.5         | 83.70             | 63.3°          | 86.80             | 23944.92       | 1                   |
| 78.0         | 84.24             | 63.3°          | 87.36             | 24234.12       | 1                   |
| 78.5         | 84.78             | 63.3°          | 87.92             | 24525.52       | 1                   |
| 79.0         | 85.32             | 63.3°          | 88.48             | 24818.12       | 1                   |
| 79.5         | 85.86             | 63.3°          | 89.04             | 25112.92       | 1                   |
| 80.0         | 86.40             | 63.3°          | 89.60             | 25409.12       | 1                   |
| 80.5         | 86.94             | 63.3°          | 90.16             | 25706.92       | 1                   |
| 81.0         | 87.48             | 63.3°          | 90.72             | 26006.12       | 1                   |
| 81.5         | 88.02             | 63.3°          | 91.28             | 26307.52       | 1                   |
| 82.0         | 88.56             | 63.3°          | 91.84             | 26610.12       | 1                   |
| 82.5         | 89.10             | 63.3°          | 92.40             | 26914.92       | 1                   |
| 83.0         | 89.64             | 63.3°          | 92.96             | 27221.12       | 1                   |
| 83.5         | 90.18             | 63.3°          | 93.52             | 27528.92       | 1                   |
| 84.0         | 90.72             | 63.3°          | 94.08             | 27838.12       | 1                   |
| 84.5         | 91.26             | 63.3°          | 94.64             | 28148.92       | 1                   |
| 85.0         | 91.80             | 63.3°          | 95.20             | 28461.12       | 1                   |
| 85.5         | 92.34             | 63.3°          | 95.76             | 28775.52       | 1                   |
| 86.0         | 92.88             | 63.3°          | 96.32             | 29091.12       | 1                   |
| 86.5         | 93.42             | 63.3°          | 96.88             | 29408.92       | 1                   |
| 87.0         | 93.96             | 63.3°          | 97.44             | 29728.12       | 1                   |
| 87.5         | 94.50             | 63.3°          | 98.00             | 30048.92       | 1                   |
| 88.0         | 95.04             | 63.3°          | 98.56             | 30371.12       | 1                   |
| 88.5         | 95.58             | 63.3°          | 99.12             | 30695.52       | 1                   |
| 89.0         | 96.12             | 63.3°          | 99.68             | 31021.12       | 1                   |
| 89.5         | 96.66             | 63.3°          | 100.24            | 31348.92       | 1                   |
| 90.0         | 97.20             | 63.3°          | 100.80            | 31678.12       | 1                   |
| 90.5         | 97.74             | 63.3°          | 101.36            | 32009.52       | 1                   |
| 91.0         | 98.28             | 63.3°          | 101.92            | 32342.12       | 1                   |
| 91.5         | 98.82             | 63.3°          | 102.48            | 32676.92       | 1                   |
| 92.0         | 99.36             | 63.3°          | 103.04            | 33013.12       | 1                   |
| 92.5         | 99.90             | 63.3°          | 103.60            | 33350.92       | 1                   |
| 93.0         | 100.44            | 63.3°          | 104.16            | 33690.12       | 1                   |
| 93.5         | 100.98            | 63.3°          | 104.72            | 34031.52       | 1                   |
| 94.0         | 101.52            | 63.3°          | 105.28            | 34374.12       | 1                   |
| 94.5         | 102.06            | 63.3°          | 105.84            | 34718.92       | 1                   |

# RANA LED S 1200 LO 4K LOUV+PRI 1-10 W GEN2

Item No: 0051482



## General data

|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Product name                            | RANA LED S 1200 LO 4K LOUV+PRI 1-10 W GEN2 |
| Technology                              | LED                                        |
| Cap/Base                                | N/A                                        |
| Housing                                 | Steel                                      |
| Mount                                   | Ceiling surface mounting, Suspended        |
| General application                     | Office, Hospitality, Retail, Education     |
| Performance ambient temperature Tq (°C) | 25                                         |
| ETIM Class                              | EC002892                                   |
| E-number FI                             | 4273611                                    |
| Warranty                                | 5 years                                    |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Useful luminous flux (Φuse)       | 3100          |
| Fixture luminous flux (lm)        | 3100          |
| Luminous flux (lm)                | 3100          |
| Luminaire efficacy (lm/W)         | 111           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG0           |

## Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 28                          |
| Primary Supply/Product voltage - min (V)                 | 220                         |
| Primary Supply/Product voltage - max (V)                 | 240                         |
| 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)                                       | 275                         |
| Inrush Current (A)                                       | 45                          |
| Inrush Duration (µs)                                     | 100                         |
| Energy Efficiency Class (A->G) of contained light source | C                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |
| 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)          | 2.5                         |
| Connectable conductor cross section - Max (mm²)          | 2.5                         |

## Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 50000 |
| Lifespan L70 B10 | 50000 |
| Lifespan L80 B50 | 50000 |
| Lifespan L80 B10 | 50000 |
| Lifespan L90 B50 | 50000 |
| Lifespan L90 B10 | 50000 |

# RANA LED S 1200 LO 4K LOUV+PRI 1-10 W GEN2

Item No: 0051482



## Physical data

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | White            |
| IP rating                   | IP20             |
| IK rating                   | IK07             |
| Diffuser finish             | Prismatic        |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 1160             |
| Nominal Product Width (mm)  | 187              |
| Nominal Product Height (mm) | 47               |
| Weight (kg)                 | 3.6              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288514826  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (inner)                         | 05410288514826 |
| 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 |
|---------------------|-----|