

# RANA LED S 1200 HO 4K LOUVV+PRI DALI EMPR W G2

Item No: 0051496



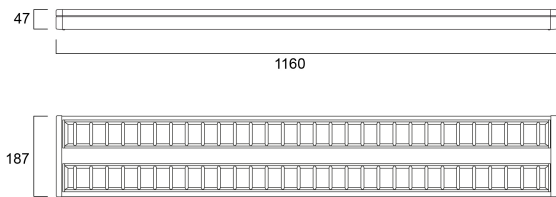
PRO



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: 1130x165mm, DALI Dimmable, Low LED flicker (+/-5%), Emergency PRO 3 hours, Neutral White (4000K) LED Colour Temperature, 6000lm, 57W, 105lm/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.

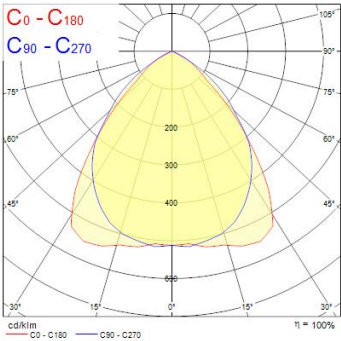
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Half beam angle [°] | Beam diameter [m] | Beam area [m²] | Illuminance [lx] |
|--------------|-------------------|---------------------|-------------------|----------------|------------------|
| 0.5          | 0.96              | 84.4°               | 0.91              | 0.81           | 1236             |
| 1.0          | 1.91              | 84.4°               | 1.82              | 3.27           | 307              |
| 1.5          | 2.87              | 84.4°               | 2.72              | 7.41           | 136              |
| 2.0          | 3.82              | 84.4°               | 3.63              | 13.17          | 94               |
| 2.5          | 4.78              | 84.4°               | 4.53              | 20.51          | 68               |
| 3.0          | 5.73              | 84.4°               | 5.44              | 29.64          | 50               |



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## General data

|                                         |                                               |
|-----------------------------------------|-----------------------------------------------|
| Product name                            | RANA LED S 1200 HO 4K LOUV+PRI DALI EMPR W G2 |
| 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                                      |
| Warranty                                | 5 years                                       |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Useful luminous flux (Φuse)       | 6000          |
| Fixture luminous flux (lm)        | 6000          |
| Luminous flux (lm)                | 6000          |
| Luminaire efficacy (lm/W)         | 105           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG0           |
| Luminous flux (emergency) (lm)    | 578           |
| Emergency duration (h)            | 3             |

## Electrical data

|                                                          |                                |
|----------------------------------------------------------|--------------------------------|
| Total power consumption (W)                              | 57                             |
| Primary Supply/Product voltage - min (V)                 | 220                            |
| Primary Supply/Product voltage - max (V)                 | 240                            |
| Lamp power factor                                        | 0.99                           |
| Electrical protection                                    | Class I                        |
| Control gear required                                    | No                             |
| Control gear type                                        | Electronic ballast             |
| Dimmable                                                 | Yes                            |
| Dimming method                                           | DALI, Switch-dim (mains-rated) |
| Minimum dimming level (%)                                | 1                              |
| Drive current (mA)                                       | 275                            |
| Inrush Current (A)                                       | 23.1                           |
| Inrush Duration (µs)                                     | 174                            |
| Energy Efficiency Class (A->G) of contained light source | C                              |
| Nominal Frequency (Hz)                                   | 50/60Hz                        |
| Max. products per 10A C Breaker                          | 18                             |
| Max. products per 13A C Breaker                          | 26                             |
| Max. products per 16A C Breaker                          | 28                             |
| Max. products per 20A C Breaker                          | 34                             |
| Max. products per 10A B Breaker                          | 9                              |
| Max. products per 13A B Breaker                          | 13                             |
| Max. products per 16A B Breaker                          | 14                             |
| Max. products per 20A B Breaker                          | 17                             |
| Connectable conductor cross section - Min (mm²)          | 2.5                            |
| Connectable conductor cross section - Max (mm²)          | 2.5                            |

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## 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 |

## 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)                 | 3.9              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288514963  |
| Packaging single length / height (cm) | 153.5          |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (inner)                         | 05410288514963 |
| 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 |
|---------------------|-----|