



### Features

• OPTIX SURFACE 1500 MPO D/I 4000K DALI EM is a high efficacy low glare suspended LED Linear luminaire with Micro Prismatic diffuser, with direct/indirect light distribution, luminaire dimensions: 1500x200x50mm, Sylvania White body colour (RAL9016), IP20, IK07, DALI Dimmable, 3hr maintained emergency version, low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 6650lm luminous flux, 65/35 D/I light distribution ratio, 51W power consumption, 130lm/W system efficacy, CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, Luminance at 65° < 3000 cd/m2, lumen maintenance: L90B50 at 71000h, photobiological safety risk group 1. Electrical protection Class I.

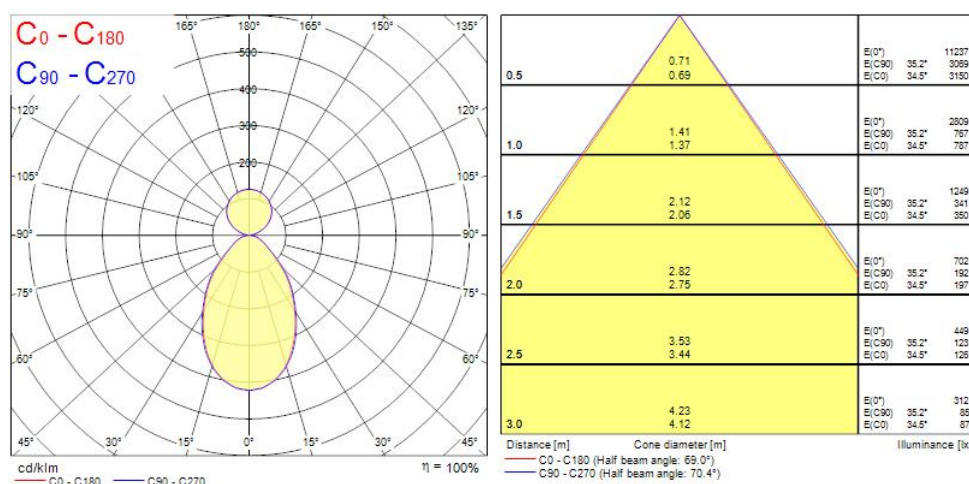
### Product Overview

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| Product name                      | OPTIX SURFACE 1500 MPO D/I 4000K DALI EM |
| Technology                        | LED (3 SDCM)                             |
| Cap/Base                          | N/A                                      |
| Housing                           | Steel                                    |
| Mount                             | Suspended                                |
| General application               | Education, Office                        |
| ETIM Class                        | EC002892                                 |
| Fixture luminous flux (lm)        | 6650                                     |
| Luminaire efficacy (lm/W)         | 130                                      |
| Correlated colour temperature (k) | 4000                                     |
| Light colour                      | Neutral White                            |
| CRI (Ra)                          | 80                                       |
| Colour Variation Initial (SDCM)   | 3                                        |
| Glare control                     | < 19                                     |
| Photobiological Risk Group        | RG1                                      |

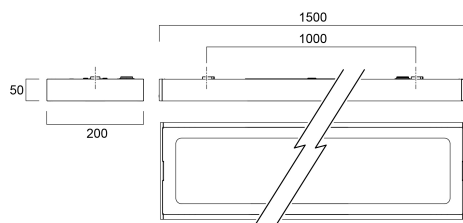
## OPTIX SURFACE 1500 MPO D/I 4000K DALI EM 2021699

|                                |                             |
|--------------------------------|-----------------------------|
| Luminous flux (emergency) (lm) | 80                          |
| Total power consumption (W)    | 54                          |
| Electrical protection          | Class I                     |
| Control gear type              | LED driver constant current |
| Dimmable                       | Yes                         |
| Housing colour                 | RAL9016                     |
| IP rating                      | IP20                        |
| IK rating                      | IK07                        |
| Product EAN number             | 5025768216994               |
| Warranty                       | 5 years                     |
| Dimming method                 | DALI                        |

## Photometry



## Technical drawings



### Data table

#### GENERAL DATA

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Product name                            | OPTIX SURFACE 1500 MPO D/I 4000K DALI EM |
| Technology                              | LED (3 SDCM)                             |
| Cap/Base                                | N/A                                      |
| Housing                                 | Steel                                    |
| Mount                                   | Suspended                                |
| General application                     | Education, Office                        |
| Operating temperature range (°C)        | 10°C...+25°C                             |
| Performance ambient temperature Tq (°C) | 25                                       |
| ETIM Class                              | EC002892                                 |
| Warranty                                | 5 years                                  |

#### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 6650          |
| Luminaire efficacy (lm/W)         | 130           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | 3             |
| Distribution type                 | Symmetric     |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG1           |
| Luminous flux (emergency) (lm)    | 80            |
| Emergency duration (h)            | 3             |

#### ELECTRICAL DATA

|                                          |     |
|------------------------------------------|-----|
| Total power consumption (W)              | 54  |
| Primary Supply/Product voltage - min (V) | 220 |
| Primary Supply/Product voltage - max (V) | 240 |
| Lamp power factor                        | 1   |

## OPTIX SURFACE 1500 MPO D/I 4000K DALI EM 2021699

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| 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                                                   | DALI                           |
| Drive current (mA)                                               | 300                            |
| Inrush Current (A)                                               | 23.1                           |
| Inrush Duration (µs)                                             | 174                            |
| Energy Efficiency Class (A->G) of contained light source         | C, C(more than 1 Light Source) |
| 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 - Max (mm²)                  | 1.5                            |

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 100000 |
| Lifespan L90 B10 | 71000  |

### PHYSICAL DATA

|                 |           |
|-----------------|-----------|
| Housing colour  | RAL9016   |
| IP rating       | IP20      |
| IK rating       | IK07      |
| Diffuser finish | Prismatic |

## OPTIX SURFACE 1500 MPO D/I 4000K DALI EM 2021699

|                             |              |
|-----------------------------|--------------|
| Diffuser material           | PMMA Acrylic |
| Nominal Product Length (mm) | 1500         |
| Nominal Product Width (mm)  | 200          |
| Nominal Product Height (mm) | 50           |
| Weight (kg)                 | 5.7          |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768216994  |
| Packaging single length / height (cm) | 155.0          |
| Packaging single width (cm)           | 9.0            |
| Packaging single depth (cm)           | 21.0           |
| DUN14 (inner)                         | 05025768216994 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 155.0          |
| Packaging outer width (cm)            | 9.0            |
| Packaging outer depth (cm)            | 21.0           |

### SAFETY DATA

|                                     |       |
|-------------------------------------|-------|
| Glow Wire Test (°C)                 | 650   |
| Optimal operating condition (°C)    | 10-25 |
| Special purpose lamp                | No    |
| Dry applications use only           | No    |
| Suitable for household illumination | No    |