

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

Item No: 2021699

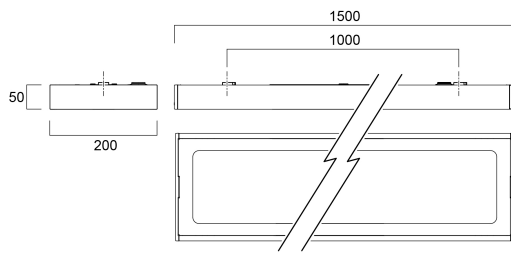
Concord



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.

## Technical Assets

### Dimensions (mm)



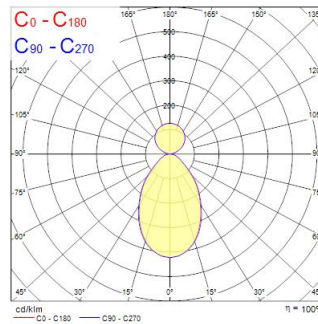
### Photometrics

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Beam flux [lm] | Beam illuminance [lx] |
|--------------|-------------------|----------------|-------------------|----------------|----------------|-----------------------|
| 0.5          | 0.71              | 69.0°          | 0.65              | 0.33           | 1137           | 3399                  |
| 1.0          | 1.41              | 69.0°          | 1.37              | 1.37           | 289            | 797                   |
| 1.5          | 2.12              | 69.0°          | 2.06              | 3.31           | 129            | 391                   |
| 2.0          | 2.82              | 69.0°          | 2.75              | 7.57           | 85             | 265                   |
| 2.5          | 3.53              | 69.0°          | 3.44              | 13.8           | 58             | 185                   |
| 3.0          | 4.23              | 69.0°          | 4.12              | 26.9           | 37             | 113                   |

Distance [m] Cone diameter [m] Beam area [m²] Beam flux [lm] Beam illuminance [lx]

— C0 - C180 (half beam angle: 69.0°)

— C90 - C270 (half beam angle: 70.4°)



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## General data

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Product name                            | OPTIX SURFACE 1500<br>MPO D/I 4000K DALI EM |
| Technology                              | LED                                         |
| Cap/Base                                | N/A                                         |
| Housing                                 | Steel                                       |
| Mount                                   | Suspended                                   |
| Built in presence detector              | NONE                                        |
| General application                     | Office, Education                           |
| Operating temperature range (°C)        | 10°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)        | 6650          |
| Luminaire efficacy (lm/W)         | 130           |
| 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        | RG1           |
| Luminous flux (emergency) (lm)    | 80            |

## Electrical data

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| Emergency mode                                                   | Non-maintained                 |
| Emergency type                                                   |                                |
| Emergency duration (h)                                           | 3                              |
| Total power consumption (W)                                      | 54                             |
| Primary Supply/Product voltage - min (V)                         | 220                            |
| Primary Supply/Product voltage - max (V)                         | 240                            |
| Lamp power factor                                                | 0.99                           |
| 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-2                         |
| Minimum dimming level (%)                                        | 1                              |
| Drive current (mA)                                               | 300                            |
| Inrush Current (A)                                               | 23                             |
| 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                        |
| 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                            |

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## Lifetime data

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

## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Prismatic                        |
| Diffuser material           | PMMA Acrylic                     |
| Reflector finish            | Not Applicable                   |
| 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 |