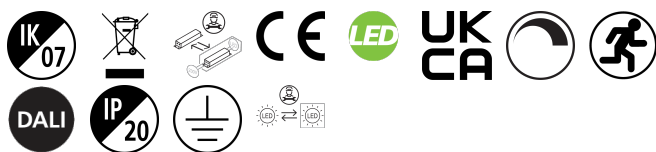


Optix Surface 1200 Direct - Indirect Medium Output  
*OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM*  
2023757



PRODUCT OVERVIEW

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Product name                    | OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM |
| Technology                      | LED (3 SDCM)                                     |
| Cap/Base                        | N/A                                              |
| Housing                         | Steel                                            |
| Mount                           | Suspended                                        |
| Fixture rating                  | Enclosed                                         |
| Warranty                        | 5 years                                          |
| Fixture luminous flux (lm)      | 3700                                             |
| Luminaire efficacy (lm/W)       | 109                                              |
| Light colour                    | Tuneable White                                   |
| CRI (Ra)                        | 80                                               |
| Colour Variation Initial (SDCM) | SDCM3                                            |
| Glare control                   | < 16                                             |
| Photobiological Risk Group      | RG0                                              |
| Luminous flux (emergency) (lm)  | 80                                               |
| Total power consumption (W)     | 34                                               |
| Electrical protection           | Class I                                          |
| Control gear type               | LED driver constant current                      |
| LED Flickering Rate             | Ultra low (5% or less)                           |
| Housing colour                  | RAL 9016 - Traffic white / Bezel                 |
| IP rating                       | IP20                                             |
| IK rating                       | IK07                                             |
| Product EAN number              | 5025768237579                                    |

DATA TABLE

|              |                                                  |
|--------------|--------------------------------------------------|
| General data |                                                  |
| Product name | OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM |
| Technology   | LED (3 SDCM)                                     |
| Cap/Base     | N/A                                              |
| Housing      | Steel                                            |
| Mount        | Suspended                                        |

# Optix Surface 1200 Direct - Indirect Medium Output

*OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM*

2023757

|                                                     |          |
|-----------------------------------------------------|----------|
| Fixture rating                                      | Enclosed |
| Performance ambient temperature T <sub>q</sub> (°C) | 25       |
| Warranty                                            | 5 years  |

## Optical data

|                                         |                |
|-----------------------------------------|----------------|
| Fixture luminous flux (lm)              | 3700           |
| Luminaire efficacy (lm/W)               | 109            |
| Correlated colour temperature range (K) | 3000 - 6000    |
| Light colour                            | Tuneable White |
| CRI (Ra)                                | 80             |
| Colour Variation Initial (SDCM)         | SDCM3          |
| Glare control                           | < 16           |
| Photobiological Risk Group              | RG0            |
| Luminous flux (emergency) (lm)          | 80             |
| Emergency duration (h)                  | 3              |

## Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 34                          |
| Primary Supply/Product voltage - min (V)                 | 198.0                       |
| Lamp power factor                                        | 0.95                        |
| Electrical protection                                    | Class I                     |
| Control gear type                                        | LED driver constant current |
| Drive current (mA)                                       | 200                         |
| Inrush Current (A)                                       | 23                          |
| Inrush Duration (µs)                                     | 290                         |
| Energy Efficiency Class (A->G) of contained light source | D                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |
| LED Flickering Rate                                      | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                          | 13                          |
| Connectable conductor cross section - Min (mm²)          | 2.5                         |
| Connectable conductor cross section - Max (mm²)          | 2.5                         |

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 120000 |
| Lifespan L80 B20 | 120000 |
| Lifespan L90 B10 | 60000  |

## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Matt/satinized                   |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1129                             |
| Nominal Product Width (mm)  | 200                              |
| Weight (kg)                 | 4.8                              |

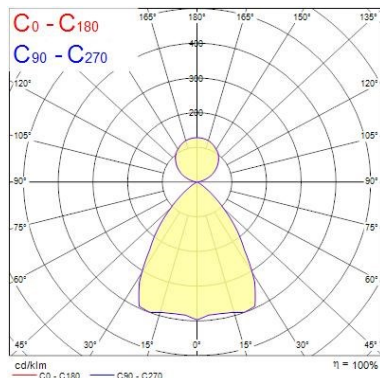
## Optix Surface 1200 Direct - Indirect Medium Output

*OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM*  
2023757

### Packaging

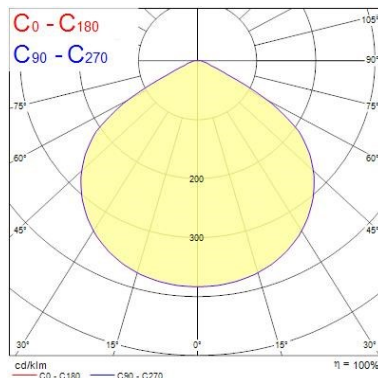
|                                      |                |
|--------------------------------------|----------------|
| Single packaging type                | Carton         |
| Product EAN number                   | 5025768237579  |
| Packaging single width (cm)          | 22.5           |
| Packaging single depth (cm)          | 6.8            |
| DUN14 (outer)                        | 05025768237579 |
| Packaging outer length / height (cm) | 117.0          |

### PHOTOMETRY



| Distance [m] | Cone diameter [m] | Illuminance [lx] |
|--------------|-------------------|------------------|
| 0.5          | 0.78              | 5873             |
| 1.0          | 1.56              | 1468             |
| 1.5          | 2.34              | 660              |
| 2.0          | 3.11              | 367              |
| 2.5          | 3.89              | 235              |
| 3.0          | 4.67              | 163              |

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 76.2°)  
C90 - C270 (Half beam angle: 75.8°)



| Distance [m] | Cone diameter [m] | Illuminance [lx] |
|--------------|-------------------|------------------|
| 0.5          | 1.51              | 133              |
| 1.0          | 3.01              | 31               |
| 1.5          | 4.52              | 14               |
| 2.0          | 6.02              | 8                |
| 2.5          | 7.53              | 5                |
| 3.0          | 9.03              | 3                |

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 112.8°)

### TECHNICAL DRAWINGS

