

# Concord

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



### Features

- OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM is a high efficacy low glare luminaire for office and education applications. Direct / Indirect lighting with 80% downlight and 20% uplight ratio for ceiling suspended mounting. Size: 1129x200x45mm. Aluminised plastic extra low glare optics in 2 lines configuration. White RAL9016 fixture body. DALI DT8 control for colour tuning. 3hr maintained emergency version. Tunable White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3700lm. Power consumption 34W. Luminaire efficacy 109lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Luminance at 65°<200 Cd/m<sup>2</sup>, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.

### Product Overview

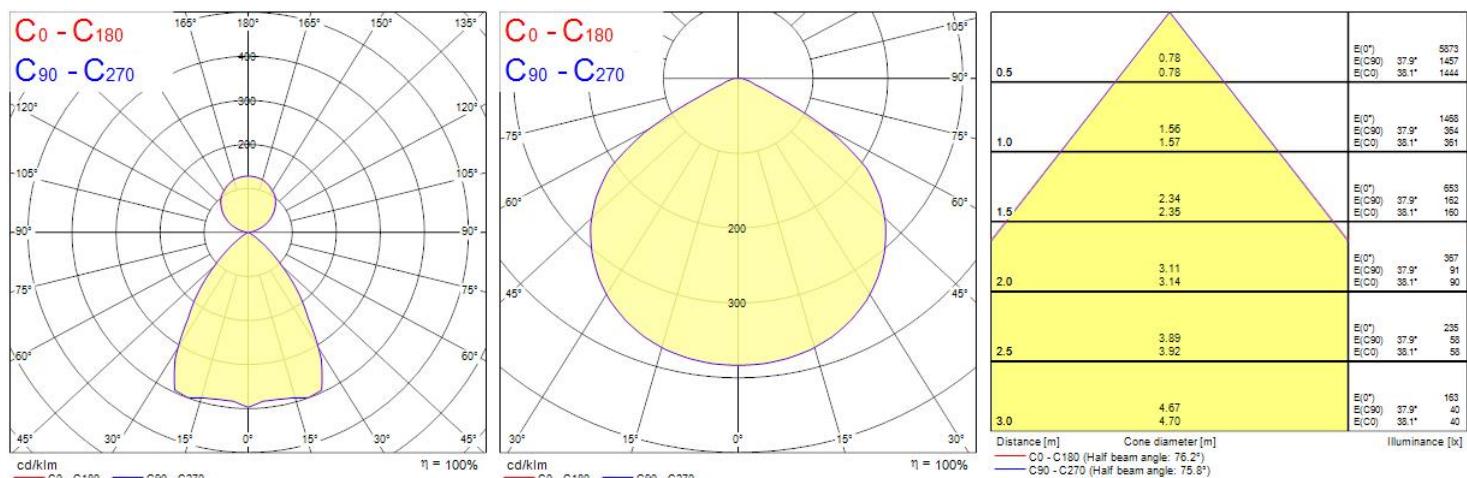
<b>Product name</b>	OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM
<b>Technology</b>	LED (3 SDCM)
<b>Cap/Base</b>	N/A
<b>Housing</b>	Steel
<b>Mount</b>	Suspended
<b>Fixture rating</b>	Enclosed
<b>General application</b>	Education, Office
<b>ETIM Class</b>	EC002892
<b>Fixture luminous flux (lm)</b>	3700
<b>Luminaire efficacy (lm/W)</b>	109
<b>Light colour</b>	Tunable White
<b>CRI (Ra)</b>	80
<b>Colour Variation Initial (SDCM)</b>	3
<b>Glare control</b>	< 16

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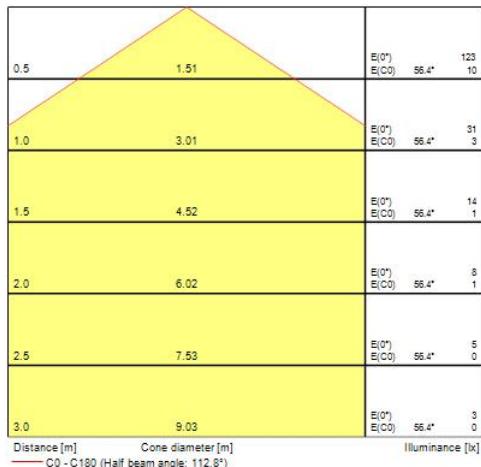
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Total power consumption (W)	34
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Product EAN number	5025768237579
Warranty	5 years
Dimming method	DALI

### Photometry

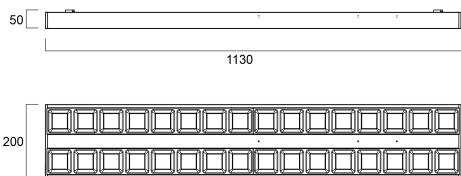


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### Technical drawings



### 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
Fixture rating	Enclosed
General application	Education, Office
Operating temperature range (°C)	10°C...+25°C

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

Performance ambient temperature T <sub>q</sub> (°C)	25
ETIM Class	EC002892
Warranty	5 years

### OPTICAL DATA

Fixture luminous flux (lm)	3700
Luminaire efficacy (lm/W)	109
Light colour	Tuneable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Distribution type	Symmetric
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)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) < xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	200
Inrush Current (A)	23
Inrush Duration (μs)	290
Energy Efficiency Class (A->G) of contained light source	D

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<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>LED Flickering Rate</b>	Ultra low (5% or less)
<b>Max. products per 10A C Breaker</b>	13
<b>Max. products per 16A C Breaker</b>	19
<b>Connectable conductor cross section - Min (mm<sup>2</sup>)</b>	2.5
<b>Connectable conductor cross section - Max (mm<sup>2</sup>)</b>	2.5

### LIFETIME DATA

<b>Lifespan L70 B50</b>	120000
<b>Lifespan L80 B20</b>	120000
<b>Lifespan L90 B10</b>	60000

### PHYSICAL DATA

<b>Housing colour</b>	RAL9016
<b>IP rating</b>	IP20
<b>IK rating</b>	IK07
<b>Diffuser finish</b>	Matt/satinized
<b>Diffuser material</b>	PC Polycarbonate
<b>Nominal Product Length (mm)</b>	1129
<b>Nominal Product Width (mm)</b>	200
<b>Nominal Product Height (mm)</b>	45
<b>Weight (kg)</b>	4.8

### PACKAGING

<b>Product EAN number</b>	5025768237579
<b>Packaging single length / height (cm)</b>	117.0
<b>Packaging single width (cm)</b>	22.5
<b>Packaging single depth (cm)</b>	6.8
<b>DUN14 (inner)</b>	05025768237579
<b>Units per outer package</b>	1
<b>Packaging outer length / height (cm)</b>	117.0
<b>Packaging outer width (cm)</b>	22.5

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**2023757**

Packaging outer depth (cm) 6.8

## SAFETY DATA

Glow Wire Test (°C)	850
Optimal operating condition (°C)	10-25
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No

Concord  
by **SYLVANIA**