



### Features

• OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU 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. Constant current driver. 3hr maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 4100lm. Power consumption 30.5W. Luminaire efficacy 134lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Luminance at 65°<200 Cd/m2, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.

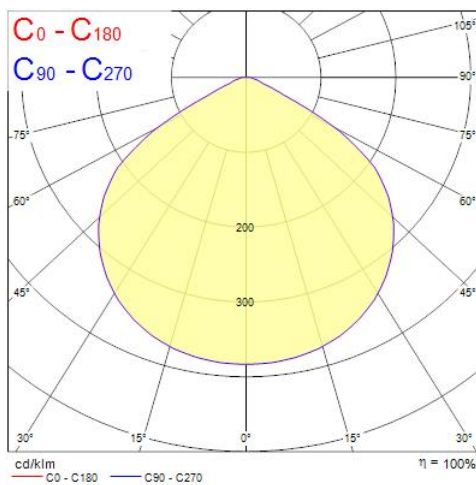
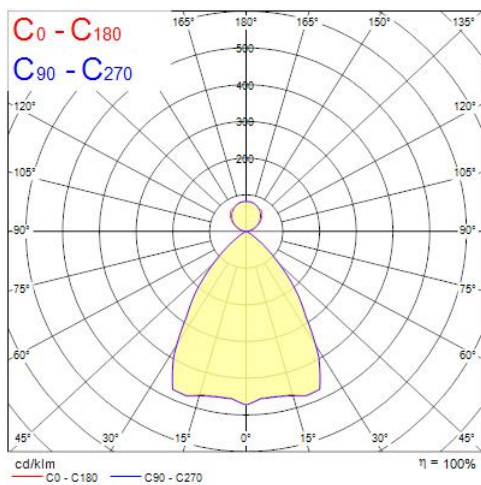
### Product Overview

Product name	OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	4100
Luminaire efficacy (lm/W)	134
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3

## OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU EM 2023727

Glare control	< 16
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	85
Total power consumption (W)	30.5
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Product EAN number	5025768237272
Warranty	5 years
Dimming method	N/A

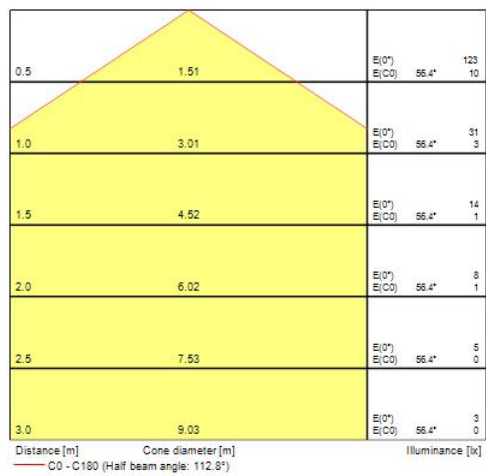
### Photometry



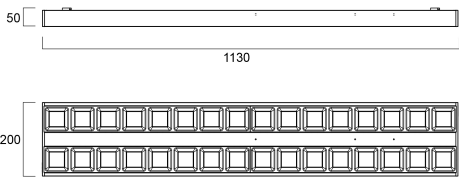
0.5	0.78	E(0°) E(C0)	38.1°	779 1902
1.0	1.57	E(0°) E(C0)	38.1°	1940 476
1.5	2.35	E(0°) E(C0)	38.1°	862 211
2.0	3.14	E(0°) E(C0)	38.1°	435 119
2.5	3.92	E(0°) E(C0)	38.1°	310 76
3.0	4.70	E(0°) E(C0)	38.1°	215 53

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

OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU EM  
2023727



Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU 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

## OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU EM 2023727

Performance ambient temperature Tq (°C)	25
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ETIM Class	EC002892
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Warranty	5 years
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### OPTICAL DATA

Fixture luminous flux (lm)	4100
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Luminaire efficacy (lm/W)	134
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Correlated colour temperature (k)	4000
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Light colour	Neutral White
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CRI (Ra)	80
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Colour Variation Initial (SDCM)	3
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Distribution type	Symmetric
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Glare control	< 16
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Photobiological Risk Group	RG0
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Luminous flux (emergency) (lm)	85
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Emergency duration (h)	3
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### ELECTRICAL DATA

Total power consumption (W)	30.5
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Primary Supply/Product voltage - min (V)	220
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Primary Supply/Product voltage - max (V)	240
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Lamp power factor	0.95
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THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	8
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Electrical protection	Class I
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Control gear required	No
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Control gear type	LED driver constant current
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Dimmable	No
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Dimming method	N/A
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Drive current (mA)	550
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Inrush Current (A)	25
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Inrush Duration (µs)	250
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## OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU EM 2023727

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	27
Max. products per 13A C Breaker	35
Max. products per 16A C Breaker	45
Max. products per 20A C Breaker	58
Max. products per 10A B Breaker	16
Max. products per 13A B Breaker	21
Max. products per 16A B Breaker	27
Max. products per 20A B Breaker	35
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	RAL9016
IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1129
Nominal Product Width (mm)	200
Nominal Product Height (mm)	45
Weight (kg)	4.8

### PACKAGING

## OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU EM 2023727

Product EAN number	5025768237272
Packaging single length / height (cm)	117.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768237272
Units per outer package	1
Packaging outer length / height (cm)	117.0
Packaging outer width (cm)	22.5
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