

Features

• OPTIX SURFACE 1200x200 2 LINE D/I TW ALU SSC 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. SylSmart Standalone 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 35W. Luminaire efficacy 106lm/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.

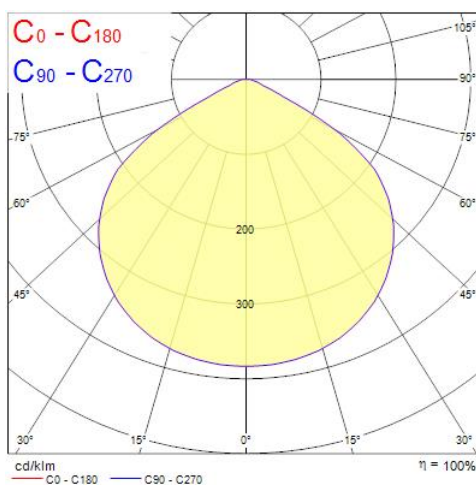
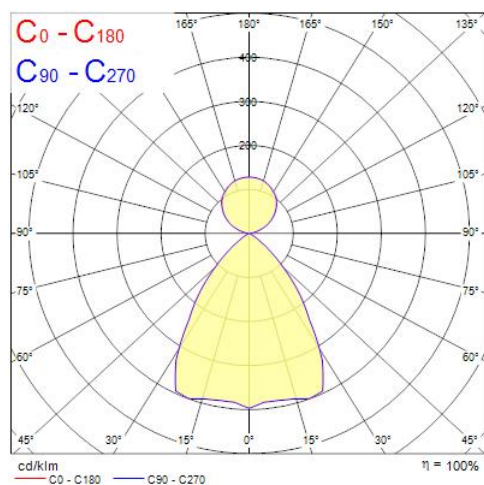
Product Overview

Product name	OPTIX SURFACE 1200x200 2 LINE D/I TW ALU SSC 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)	3700
Luminaire efficacy (lm/W)	106
Light colour	Tuneable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16

OPTIX SURFACE 1200x200 2 LINE D/I TW ALU SSC EM 2023759

Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Total power consumption (W)	35
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	5025768237593
Warranty	5 years
Dimming method	SylSmart SSC

Photometry



0.5	0.78 0.78	E(0°) E(C90) E(C0)	37.9° 38.1°	5573 1457 1444
1.0	1.56 1.57	E(0°) E(C90) E(C0)	37.9° 38.1°	1488 354 351
1.5	2.34 2.35	E(0°) E(C90) E(C0)	37.9° 38.1°	653 182 180
2.0	3.11 3.14	E(0°) E(C90) E(C0)	37.9° 38.1°	357 91 90
2.5	3.89 3.92	E(0°) E(C90) E(C0)	37.9° 38.1°	235 58 58
3.0	4.67 4.70	E(0°) E(C90) E(C0)	37.9° 38.1°	183 40 40

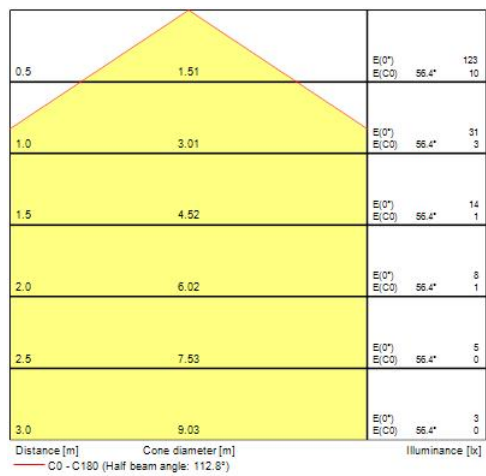
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 76.2°) —
— C90 - C270 (Half beam angle: 75.8°) —

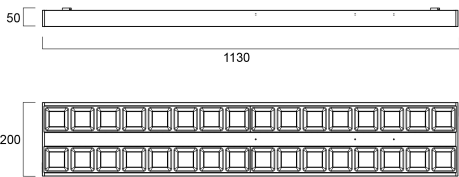
Concord

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

2023759



Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1200x200 2 LINE D/I TW ALU SSC 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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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)	3700
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Luminaire efficacy (lm/W)	106
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Light colour	Tuneable 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)	80
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Emergency duration (h)	3
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ELECTRICAL DATA

Total power consumption (W)	35
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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 %	10
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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	Yes
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Dimming method	SylSmart SSC
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Drive current (mA)	200
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Inrush Current (A)	23
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Inrush Duration (µs)	290
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Energy Efficiency Class (A->G) of contained light source	D
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OPTIX SURFACE 1200x200 2 LINE D/I TW ALU SSC EM 2023759

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

Product EAN number	5025768237593
Packaging single length / height (cm)	117.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768237593
Units per outer package	1
Packaging outer length / height (cm)	117.0
Packaging outer width (cm)	22.5

Concord

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Packaging outer depth (cm)	6.8
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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