

Features

- OPTIX SURFACE 1500x200 2 LINE D/I HO 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: 1410x200x45mm. 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 7000lm. Power consumption 47W. Luminaire efficacy 149lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Luminance at 65°<200 Cd/m2, IK07, IP20. Photobiological safety risk group 1. Electrical protection Class I. Glow wire test 850°C.

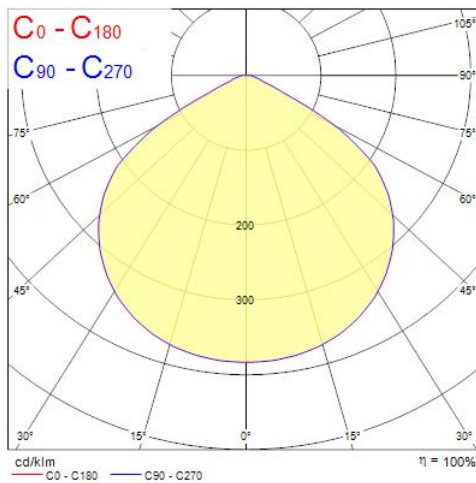
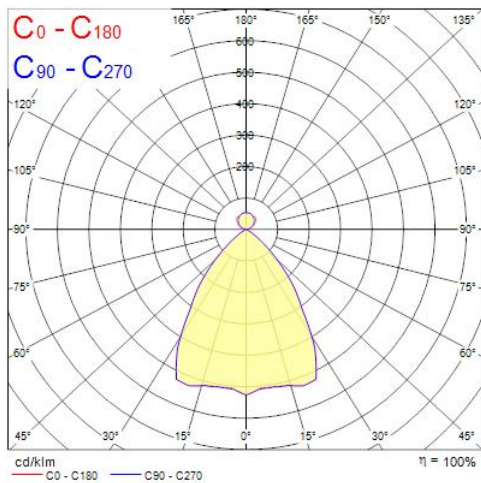
Product Overview

Product name	OPTIX SURFACE 1500x200 2 LINE D/I HO 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)	7000
Luminaire efficacy (lm/W)	149
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3

OPTIX SURFACE 1500x200 2 LINE D/I HO 4000K ALU EM 2023774

Glare control	< 14
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85
Total power consumption (W)	47
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	5025768237746
Warranty	5 years
Dimming method	N/A

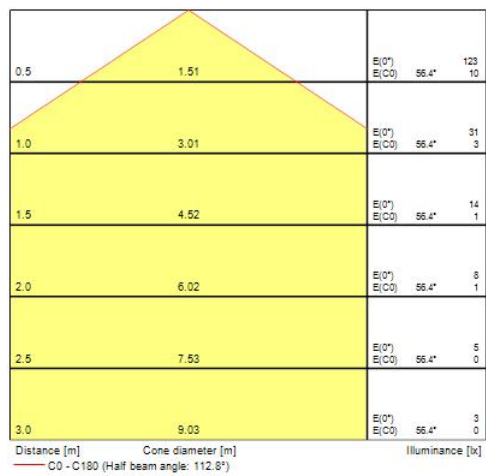
Photometry



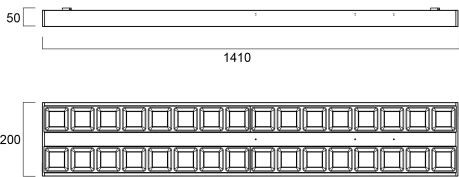
Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.78 0.78	14738 3671 3645	
1.0	1.55 1.56	3685 918 911	
1.5	2.33 2.34	1638 408 405	
2.0	3.10 3.11	921 229 228	
2.5	3.88 3.89	590 147 146	
3.0	4.65 4.67	409 102 101	

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 75.8°)
C90 - C270 (Half beam angle: 75.6°)

OPTIX SURFACE 1500x200 2 LINE D/I HO 4000K ALU EM
2023774



Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1500x200 2 LINE D/I HO 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

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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)	7000
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Luminaire efficacy (lm/W)	149
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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	< 14
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Photobiological Risk Group	RG1
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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)	47
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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)	950
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Inrush Current (A)	30
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Inrush Duration (µs)	250
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OPTIX SURFACE 1500x200 2 LINE D/I HO 4000K ALU EM 2023774

Energy Efficiency Class (A->G) of contained light source	D, 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	15
Max. products per 13A C Breaker	22
Max. products per 16A C Breaker	29
Max. products per 20A C Breaker	35
Max. products per 10A B Breaker	8
Max. products per 13A B Breaker	11
Max. products per 16A B Breaker	15
Max. products per 20A B Breaker	18
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)	1410
Nominal Product Width (mm)	200
Nominal Product Height (mm)	45
Weight (kg)	1.9

PACKAGING

Product EAN number	5025768237746
Packaging single length / height (cm)	147.0

Concord

OPTIX SURFACE 1500x200 2 LINE D/I HO 4000K ALU EM 2023774

Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768237746
Units per outer package	1
Packaging outer length / height (cm)	147.0
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