



Features

- OPTIX SURFACE 1200 MPO D/I 4000K EM is a high efficacy low glare suspended LED Linear luminaire with Micro Prismatic diffuser, with direct/indirect light distribution, luminaire dimensions: 1200x200x50mm, Sylvania White body colour (RAL9016), IP20, IK07, Constant current driver, 3hr maintained emergency version, low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 4900lm luminous flux, 60/40 D/I light distribution ratio, 39W power consumption, 125lm/W system efficacy, CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency, UGR<17, Luminance at 65° < 3000 cd/m2, lifespan: 58,000 hours L90B10, photobiological safety risk group 1. Electrical protection Class I.

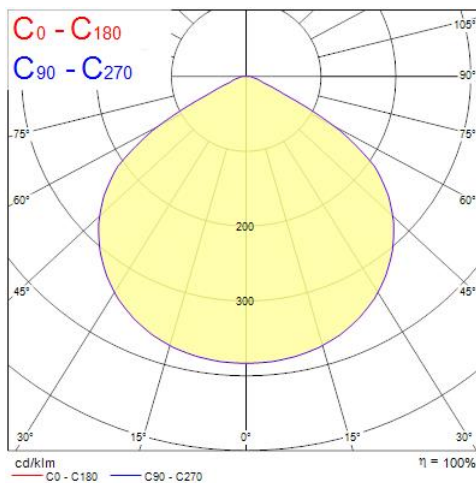
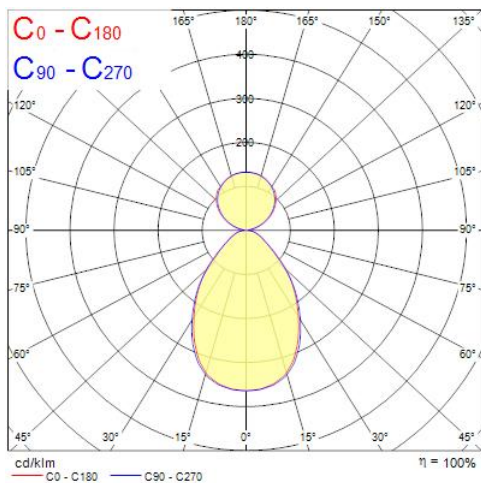
Product Overview

Product name	OPTIX SURFACE 1200 MPO D/I 4000K EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	4900
Luminaire efficacy (lm/W)	125
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 18
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	80

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Total power consumption (W)	39
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	5025768216697
Warranty	5 years
Dimming method	N/A

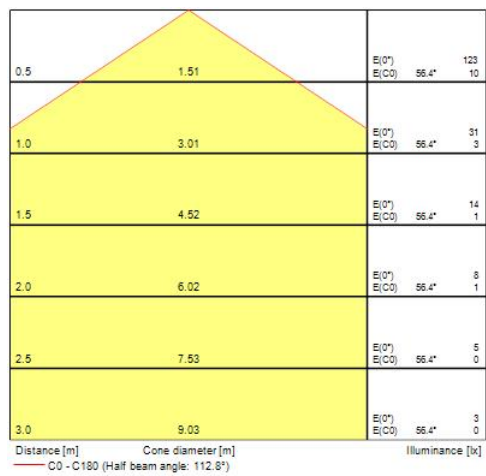
Photometry



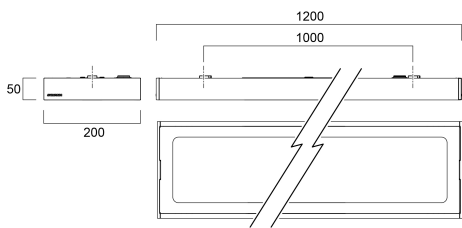
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.75 0.77	7137	38.2° 37.5°	1735	1788
1.0	1.57 1.53	1794	38.2° 37.5°	434	447
1.5	2.36 2.30	793	38.2° 37.5°	193	199
2.0	3.15 3.07	446	38.2° 37.5°	108	112
2.5	3.93 3.84	235	38.2° 37.5°	69	72
3.0	4.72 4.60	198	38.2° 37.5°	45	50

Distance [m] Cone diameter [m]
 C0 - C180 (Half beam angle: 75.0°)
 C90 - C270 (Half beam angle: 76.4°)

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Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1200 MPO D/I 4000K EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
General application	Education, Office
Operating temperature range (°C)	10°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892

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Warranty	5 years
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OPTICAL DATA

Fixture luminous flux (lm)	4900
Luminaire efficacy (lm/W)	125
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Distribution type	Symmetric
Glare control	< 18
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	80
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	39
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 %	15
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	250
Inrush Current (A)	28
Inrush Duration (µs)	150
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)

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Max. products per 10A C Breaker	22
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	37
Max. products per 20A C Breaker	48
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17
Max. products per 16A B Breaker	22
Max. products per 20A B Breaker	29
Connectable conductor cross section - Max (mm²)	1.5

LIFETIME DATA

Lifespan L70 B50	238000
Lifespan L80 B20	130000
Lifespan L90 B10	58000

PHYSICAL DATA

Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PMMA Acrylic
Nominal Product Length (mm)	1200
Nominal Product Width (mm)	200
Nominal Product Height (mm)	50
Weight (kg)	4.8

PACKAGING

Product EAN number	5025768216697
Packaging single length / height (cm)	122.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768216697
Units per outer package	1

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Packaging outer length / height (cm)	122.0
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