

OPTIX SURFACE 1200 MPO D/I HO 4000K

Item No: 2021660

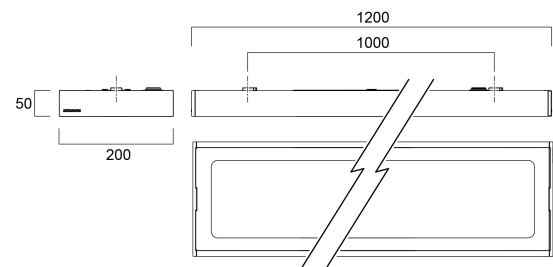
Concord



OPTIX SURFACE 1200 MPO D/I HO 4000K 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, low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 5770lm luminous flux, 60/40 D/I light distribution ratio, 44W power consumption, 131lm/W system efficacy, CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, Luminance at 65° < 3000 cd/m2, lifespan: 58,000 hours L90B10, photobiological safety risk group 1. Electrical protection Class I.

Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam angle [°]	Illuminance [lx]	
			Beam diameter [m]	Beam diameter [ft]
0.5	0.79 0.77	80° C100 C100	30.2° 2039 2088	8370 2039 2088
1.0	1.57 1.54	80° C100 C100	30.2° 2010 2110	2010 2010 2110
1.5	2.36 2.31	80° C100 C100	30.2° 1980 2080	1980 1980 2080
2.0	3.15 3.08	80° C100 C100	30.2° 1950 2050	1950 1950 2050
2.5	3.93 3.86	80° C100 C100	30.2° 1920 2020	1920 1920 2020
3.0	4.72 4.62	80° C100 C100	30.2° 1890 1990	1890 1890 1990
Distance [m]			Cone diameter [m]	
C100 - C100 (Half beam angle: 75.2°)			C100 - C100 (Half beam angle: 75.2°)	
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General data

Product name	OPTIX SURFACE 1200 MPO D/I HO 4000K
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
Warranty	5 years

Optical data

Useful luminous flux (Φuse)	5770
Fixture luminous flux (lm)	5770
Luminous flux (lm)	5770
Luminaire efficacy (lm/W)	131
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 18
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	44
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 %	20
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	300
Inrush Current (A)	15
Inrush Duration (µs)	100
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	30
Max. products per 13A C Breaker	39
Max. products per 16A C Breaker	48
Max. products per 20A C Breaker	60
Max. products per 10A B Breaker	30
Max. products per 13A B Breaker	39
Max. products per 16A B Breaker	48
Max. products per 20A B Breaker	60
Connectable conductor cross section - Max (mm²)	1.5

Lifetime data

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

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Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser material	PMMA Acrylic
Nominal Product Length (mm)	1200
Nominal Product Width (mm)	200
Nominal Product Height (mm)	50
Weight (kg)	4.6

Packaging

Product EAN number	5025768216604
Packaging single length / height (cm)	122.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768216604
Units per outer package	1
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