

OPTIX SURFACE 1200 MPO D HO 4000K

Item No: 2021664

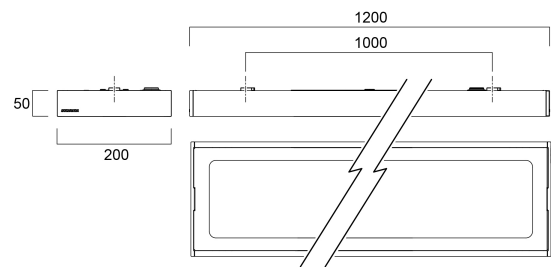
Concord



OPTIX SURFACE 1200 MPO D HO 4000K is a high efficacy low glare surface or suspended LED Linear luminaire with Micro Prismatic diffuser, with direct 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, 3550lm luminous flux, 30W power consumption, 118lm/W system efficacy, CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency, UGR<20, 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 [°]	Beam diameter [m]	Beam area [m²]	Beam flux [lm]	Beam illuminance [lx]
0.5	0.79	74.4°	0.79	0.62	5685	9169
1.0	1.57	74.4°	1.57	2.46	2245	2295
1.5	2.36	74.4°	2.36	5.58	1496	998
2.0	3.15	74.4°	3.15	9.86	1111	611
2.5	3.93	74.4°	3.93	15.43	889	446
3.0	4.72	74.4°	4.72	22.36	740	331
3.5	5.51	74.4°	5.51	30.43	644	264
4.0	6.30	74.4°	6.30	39.58	577	224
4.5	7.09	74.4°	7.09	49.86	528	194
5.0	7.88	74.4°	7.88	61.27	486	172
5.5	8.67	74.4°	8.67	73.86	448	154
6.0	9.46	74.4°	9.46	87.61	414	140
6.5	10.25	74.4°	10.25	102.54	384	129
7.0	11.04	74.4°	11.04	118.71	357	120
7.5	11.83	74.4°	11.83	136.14	333	112
8.0	12.62	74.4°	12.62	154.86	311	105
8.5	13.41	74.4°	13.41	174.89	291	99
9.0	14.20	74.4°	14.20	196.24	272	94
9.5	14.99	74.4°	14.99	218.94	255	89
10.0	15.78	74.4°	15.78	243.00	239	85
10.5	16.57	74.4°	16.57	268.44	224	81
11.0	17.36	74.4°	17.36	295.28	210	77
11.5	18.15	74.4°	18.15	323.54	197	74
12.0	18.94	74.4°	18.94	353.24	185	70
12.5	19.73	74.4°	19.73	384.40	174	67
13.0	20.52	74.4°	20.52	417.04	163	64
13.5	21.31	74.4°	21.31	451.18	153	61
14.0	22.10	74.4°	22.10	486.84	143	58
14.5	22.89	74.4°	22.89	524.04	134	55
15.0	23.68	74.4°	23.68	562.80	125	52
15.5	24.47	74.4°	24.47	603.14	117	49
16.0	25.26	74.4°	25.26	645.18	109	46
16.5	26.05	74.4°	26.05	688.94	102	43
17.0	26.84	74.4°	26.84	734.44	95	40
17.5	27.63	74.4°	27.63	781.70	88	37
18.0	28.42	74.4°	28.42	830.74	82	34
18.5	29.21	74.4°	29.21	881.58	76	31
19.0	30.00	74.4°	30.00	934.24	70	28
19.5	30.79	74.4°	30.79	988.74	65	25
20.0	31.58	74.4°	31.58	1045.10	60	22
20.5	32.37	74.4°	32.37	1103.34	55	19
21.0	33.16	74.4°	33.16	1163.48	50	16
21.5	33.95	74.4°	33.95	1225.54	46	13
22.0	34.74	74.4°	34.74	1289.54	42	10
22.5	35.53	74.4°	35.53	1355.50	38	7
23.0	36.32	74.4°	36.32	1423.44	35	4
23.5	37.11	74.4°	37.11	1493.38	32	1
24.0	37.90	74.4°	37.90	1565.34	29	0
24.5	38.69	74.4°	38.69	1639.34	26	0
25.0	39.48	74.4°	39.48	1715.40	23	0
25.5	40.27	74.4°	40.27	1793.54	20	0
26.0	41.06	74.4°	41.06	1873.78	17	0
26.5	41.85	74.4°	41.85	1956.14	15	0
27.0	42.64	74.4°	42.64	2040.64	13	0
27.5	43.43	74.4°	43.43	2127.30	11	0
28.0	44.22	74.4°	44.22	2216.14	10	0
28.5	45.01	74.4°	45.01	2307.18	9	0
29.0	45.80	74.4°	45.80	2400.44	8	0
29.5	46.59	74.4°	46.59	2495.94	7	0
30.0	47.38	74.4°	47.38	2593.70	6	0
30.5	48.17	74.4°	48.17	2693.74	5	0
31.0	48.96	74.4°	48.96	2796.08	4	0
31.5	49.75	74.4°	49.75	2900.74	3	0
32.0	50.54	74.4°	50.54	3007.74	2	0
32.5	51.33	74.4°	51.33	3117.10	1	0
33.0	52.12	74.4°	52.12	3228.84	1	0
33.5	52.91	74.4°	52.91	3342.98	0	0
34.0	53.70	74.4°	53.70	3459.54	0	0
34.5	54.49	74.4°	54.49	3578.54	0	0
35.0	55.28	74.4°	55.28	3699.98	0	0
35.5	56.07	74.4°	56.07	3823.80	0	0
36.0	56.86	74.4°	56.86	3950.02	0	0
36.5	57.65	74.4°	57.65	4078.66	0	0
37.0	58.44	74.4°	58.44	4209.74	0	0
37.5	59.23	74.4°	59.23	4343.28	0	0
38.0	60.02	74.4°	60.02	4479.30	0	0
38.5	60.81	74.4°	60.81	4617.82	0	0
39.0	61.60	74.4°	61.60	4758.86	0	0
39.5	62.39	74.4°	62.39	4902.44	0	0
40.0	63.18	74.4°	63.18	5048.58	0	0
40.5	63.97	74.4°	63.97	5197.30	0	0
41.0	64.76	74.4°	64.76	5348.62	0	0
41.5	65.55	74.4°	65.55	5502.56	0	0
42.0	66.34	74.4°	66.34	5659.14	0	0
42.5	67.13	74.4°	67.13	5818.38	0	0
43.0	67.92	74.4°	67.92	5980.30	0	0
43.5	68.71	74.4°	68.71	6144.92	0	0
44.0	69.50	74.4°	69.50	6312.26	0	0
44.5	70.29	74.4°	70.29	6482.34	0	0
45.0	71.08	74.4°	71.08	6655.18	0	0
45.5	71.87	74.4°	71.87	6830.80	0	0
46.0	72.66	74.4°	72.66	7009.22	0	0
46.5	73.45	74.4°	73.45	7190.46	0	0
47.0	74.24	74.4°	74.24	7374.54	0	0
47.5	75.03	74.4°	75.03	7561.48	0	0
48.0	75.82	74.4°	75.82	7751.30	0	0
48.5	76.61	74.4°	76.61	7944.02	0	0
49.0	77.40	74.4°	77.40	8139.56	0	0
49.5	78.19	74.4°	78.19	8337.94	0	0
50.0	78.98	74.4°	78.98	8539.18	0	0
50.5	79.77	74.4°	79.77	8743.30	0	0
51.0	80.56	74.4°	80.56	8950.32	0	0
51.5	81.35	74.4°	81.35	9160.26	0	0
52.0	82.14	74.4°	82.14	9373.14	0	0
52.5	82.93	74.4°	82.93	9589.00	0	0
53.0	83.72	74.4°	83.72	9807.86	0	0
53.5	84.51	74.4°	84.51	10029.74	0	0
54.0	85.30	74.4°	85.30	10254.66	0	0
54.5	86.09	74.4°	86.09	10482.64	0	0
55.0	86.88	74.4°	86.88	10713.70	0	0
55.5	87.67	74.4°	87.67	10947.86	0	0
56.0	88.46	74.4°	88.46	11185.14	0	0
56.5	89.25	74.4°	89.25	11425.56	0	0
57.0	90.04	74.4°	90.04	11669.14	0	0
57.5	90.83	74.4°	90.83	11915.90	0	0
58.0	91.62	74.4°	91.62	12165.86	0	0
58.5	92.41	74.4°	92.41	12419.04	0	0
59.0	93.20	74.4°	93.20	12675.46	0	0
59.5	93.99	74.4°	93.99	12935.14	0	0
60.0	94.78	74.4°	94.78	13198.10	0	0
60.5	95.57	74.4°	95.57	13464.36	0	0
61.0	96.36	74.4°	96.36	13733.94	0	0
61.5	97.15	74.4°	97.15	14006.86	0	0
62.0	97.94	74.4°	97.94	14283.14	0	0
62.5	98.73	74.4°	98.73	14562.80	0	0
63.0	99.52	74.4°	99.52	14845.86	0	0
63.5	100.31	74.4°	100.31	15132.34	0	0
64.0	101.10	74.4°	101.10	15422.26	0	0
64.5	101.89	74.4°	101.89	15715.64	0	0
65.0	102.68	74.4°	102.68	16012.50	0	0
65.5	103.47	74.4°	103.47	16312.86	0	0
66.0	104.26	74.4°	104.26	16616.74	0	0
66.5	105.05	74.4°	105.05	16924.16	0	0
67.0	105.84	74.4°	105.84	17235.14	0	0
67.5	106.63	74.4°	106.63	17549.70	0	0
68.0	107.42	74.4°	107.42	17867.86	0	0
68.5	108.21	74.4°	108.21	18189.54	0	0
69.0	109.00	74.4°	109.00	18514.76	0	0
69.5	109.79	74.4°	109.79	18843.54	0	0
70.0	110.58	74.4°	110.58	19175.90	0	0
70.5	111.37	74.4°	111.37	19511.86	0	0
71.0	112.16	74.4°	112.16	19851.44	0	0
71.5	112.95	74.4°	112.95	20194.66	0	0
72.0	113.74	74.4°	113.74	20541.54	0	0
72.5	114.53	74.4°	114.53	20892.10	0	0
73.0	115.32	74.4°	115.32	21246.36	0	0
73.5	116.11	74.4°	116.11	21604.34	0	0
74.0	116.90	74.4°	116.90	21966.06	0	0
74.5	117.69	74.4°	117.69	22331.54	0	0
75.0	118.48	74.4°	118.48	22700.80	0	0
75.5	119.27	74.4°	119.27	23073.86	0	0
76.0	120.06	74.4°	120.06	23450.74	0	0
76.5	120.85	74.4°	120.85	23831.46	0	0
77.0	121.64	74.4°	121.64	24215.94	0	0
77.5	122.43	74.4°	122.43	24604.30	0	0
78.0	123.22	74.4°	123.22	25006.56	0	0
78.5	124.01	74.4°	124.01	25412.74	0	0
79.0	124.80	74.4°	124.80	25822.86	0	0
79.5	125.59	74.4°	125.59	26236.94	0	0
80.0	126.38	74.4°	126.38	26655.00	0	0
80.5	127.17	74.4°	127.17	27077.06	0	0
81.0	127.96	74.4°	127.96	27503.14	0	0
81.5	128.75	74.4°	128.75	27933.26	0	0
82.0	129.54	74.4°	129.54	28367.44	0	0
82.5	130.33	74.4°	130.33	28805.70	0	0
83.0	131.12	74.4°	131.12	29248.06	0	0
83.5	131.91	74.4°	131.91	29694.54	0	0
84.0	132.70	74.4°				

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Concord

General data

Product name	OPTIX SURFACE 1200 MPO D HO 4000K
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
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)	3550
Fixture luminous flux (lm)	3550
Luminous flux (lm)	3550
Luminaire efficacy (lm/W)	118
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 20
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	30
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)	4.5

Packaging

Product EAN number	5025768216642
Packaging single length / height (cm)	122.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768216642
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