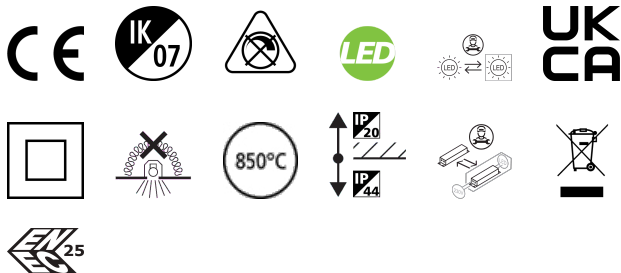


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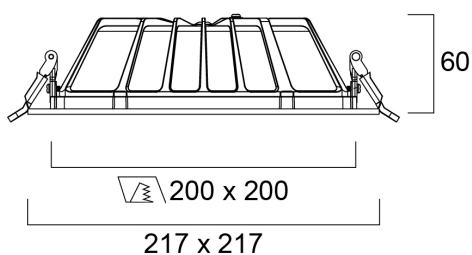
SYLVANIA

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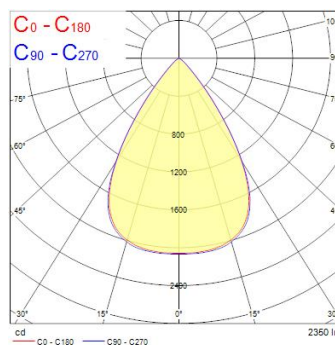
Technical Assets

Dimensions (mm)



Photometrics

Beam Angle (°)	Beam Diameter (mm)	Beam Diameter (ft)	Beam Diameter (in)
0.5	6.47	0.054	1.39
1.0	12.94	0.108	2.78
1.5	19.41	0.162	4.17
2.0	25.88	0.216	5.56
2.5	32.35	0.270	6.95
3.0	38.82	0.324	8.34
3.5	45.29	0.378	9.73
4.0	51.76	0.432	11.12
4.5	58.23	0.486	12.51
5.0	64.70	0.540	13.90
5.5	71.17	0.594	15.29
6.0	77.64	0.648	16.68
6.5	84.11	0.702	18.07
7.0	90.58	0.756	19.46
7.5	97.05	0.810	20.85
8.0	103.52	0.864	22.24
8.5	110.00	0.918	23.63
9.0	116.47	0.972	25.02
9.5	122.94	1.026	26.41
10.0	129.41	1.080	27.80
10.5	135.88	1.134	29.19
11.0	142.35	1.188	30.58
11.5	148.82	1.242	31.97
12.0	155.29	1.296	33.36
12.5	161.76	1.350	34.75
13.0	168.23	1.404	36.14
13.5	174.70	1.458	37.53
14.0	181.17	1.512	38.92
14.5	187.64	1.566	40.31
15.0	194.11	1.620	41.70
15.5	200.58	1.674	43.09
16.0	207.05	1.728	44.48
16.5	213.52	1.782	45.87
17.0	220.00	1.836	47.26
17.5	226.47	1.890	48.65
18.0	232.94	1.944	50.04
18.5	239.41	1.998	51.43
19.0	245.88	2.052	52.82
19.5	252.35	2.106	54.21
20.0	258.82	2.160	55.60
20.5	265.29	2.214	56.99
21.0	271.76	2.268	58.38
21.5	278.23	2.322	59.77
22.0	284.70	2.376	61.16
22.5	291.17	2.430	62.55
23.0	297.64	2.484	63.94
23.5	304.11	2.538	65.33
24.0	310.58	2.592	66.72
24.5	317.05	2.646	68.11
25.0	323.52	2.700	69.50
25.5	330.00	2.754	70.89
26.0	336.47	2.808	72.28
26.5	342.94	2.862	73.67
27.0	349.41	2.916	75.06
27.5	355.88	2.970	76.45
28.0	362.35	3.024	77.84
28.5	368.82	3.078	79.23
29.0	375.29	3.132	80.62
29.5	381.76	3.186	82.01
30.0	388.23	3.240	83.40
30.5	394.70	3.294	84.79
31.0	401.17	3.348	86.18
31.5	407.64	3.402	87.57
32.0	414.11	3.456	88.96
32.5	420.58	3.510	90.35
33.0	427.05	3.564	91.74
33.5	433.52	3.618	93.13
34.0	440.00	3.672	94.52
34.5	446.47	3.726	95.91
35.0	452.94	3.780	97.30
35.5	459.41	3.834	98.69
36.0	465.88	3.888	100.08
36.5	472.35	3.942	101.47
37.0	478.82	3.996	102.86
37.5	485.29	4.050	104.25
38.0	491.76	4.104	105.64
38.5	498.23	4.158	107.03
39.0	504.70	4.212	108.42
39.5	511.17	4.266	109.81
40.0	517.64	4.320	111.20
40.5	524.11	4.374	112.59
41.0	530.58	4.428	113.98
41.5	537.05	4.482	115.37
42.0	543.52	4.536	116.76
42.5	550.00	4.590	118.15
43.0	556.47	4.644	119.54
43.5	562.94	4.698	120.93
44.0	569.41	4.752	122.32
44.5	575.88	4.806	123.71
45.0	582.35	4.860	125.10
45.5	588.82	4.914	126.49
46.0	595.29	4.968	127.88
46.5	601.76	5.022	129.27
47.0	608.23	5.076	130.66
47.5	614.70	5.130	132.05
48.0	621.17	5.184	133.44
48.5	627.64	5.238	134.83
49.0	634.11	5.292	136.22
49.5	640.58	5.346	137.61
50.0	647.05	5.400	139.00
50.5	653.52	5.454	140.39
51.0	660.00	5.508	141.78
51.5	666.47	5.562	143.17
52.0	672.94	5.616	144.56
52.5	679.41	5.670	145.95
53.0	685.88	5.724	147.34
53.5	692.35	5.778	148.73
54.0	698.82	5.832	150.12
54.5	705.29	5.886	151.51
55.0	711.76	5.940	152.90
55.5	718.23	5.994	154.29
56.0	724.70	6.048	155.68
56.5	731.17	6.102	157.07
57.0	737.64	6.156	158.46
57.5	744.11	6.210	159.85
58.0	750.58	6.264	161.24
58.5	757.05	6.318	162.63
59.0	763.52	6.372	164.02
59.5	770.00	6.426	165.41
60.0	776.47	6.480	166.80
60.5	782.94	6.534	168.19
61.0	789.41	6.588	169.58
61.5	795.88	6.642	170.97
62.0	802.35	6.696	172.36
62.5	808.82	6.750	173.75
63.0	815.29	6.804	175.14
63.5	821.76	6.858	176.53
64.0	828.23	6.912	177.92
64.5	834.70	6.966	179.31
65.0	841.17	7.020	180.70
65.5	847.64	7.074	182.09
66.0	854.11	7.128	183.48
66.5	860.58	7.182	184.87
67.0	867.05	7.236	186.26
67.5	873.52	7.290	187.65
68.0	880.00	7.344	189.04
68.5	886.47	7.398	190.43
69.0	892.94	7.452	191.82
69.5	899.41	7.506	193.21
70.0	905.88	7.560	194.60
70.5	912.35	7.614	195.99
71.0	918.82	7.668	197.38
71.5	925.29	7.722	198.77
72.0	931.76	7.776	200.16
72.5	938.23	7.830	201.55
73.0	944.70	7.884	202.94
73.5	951.17	7.938	204.33
74.0	957.64	7.992	205.72
74.5	964.11	8.046	207.11
75.0	970.58	8.100	208.50
75.5	977.05	8.154	209.89
76.0	983.52	8.208	211.28
76.5	990.00	8.262	212.67
77.0	996.47	8.316	214.06
77.5	1002.94	8.370	215.45
78.0	1009.41	8.424	216.84
78.5	1015.88	8.478	218.23
79.0	1022.35	8.532	219.62
79.5	1028.82	8.586	221.01
80.0	1035.29	8.640	222.40
80.5	1041.76	8.694	223.79
81.0	1048.23	8.748	225.18
81.5	1054.70	8.802	226.57
82.0	1061.17	8.856	227.96
82.5	1067.64	8.910	229.35
83.0	1074.11	8.964	230.74
83.5	1080.58	9.018	232.13
84.0	1087.05	9.072	233.52
84.5	1093.52	9.126	234.91
85.0	1100.00	9.180	236.30
85.5	1106.47	9.234	237.69
86.0	1112.94	9.288	239.08
86.5	1119.41	9.342	240.47
87.0	1125.88	9.396	241.86
87.5	1132.35	9.450	243.25
88.0	1138.82	9.504	244.64
88.5	1145.29	9.558	246.03
89.0	1151.76	9.612	247.42
89.5	1158.23	9.666	248.81
90.0	1164.70	9.720	250.20
90.5	1171.17	9.774	251.59
91.0	1177.64	9.828	252.98
91.5	1184.11	9.882	254.37
92.0	1190.58	9.936	255.76
92.5	1197.05	9.990	257.15
93.0	1203.52	10.044	258.54
93.5	1210.00	10.098	259.93
94.0	1216.47	10.152	261.32
94.5	1222.94	10.206	262.71
95.0	1229.41	10.260	264.10
95.5	1235.88	10.314	265.49
96.0	1242.35	10.368	266.88
96.5	1248.82	10.422	268.27
97.0	1255.29	10.476	269.66
97.5	1261.76	10.530	271.05
98.0	1268.23	10.584	272.44
98.5	1274.70	10.638	273.83
99.0	1281.17	10.692	275.22
99.5	1287.64	10.746	276.61
100.0	1294.11	10.800	278.00



INSAVER UGR19 IP44 200 2350 830 SQ

Item No: 0030512

SYLVANIA

General data

Product name	INSAVER UGR19 IP44 200 2350 830 SQ
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
Operating temperature range (°C)	-20°C...+40°C
ETIM Class	EC001744
E-number FI	4278541
Warranty	5 years

Optical data

Useful luminous flux (Φuse)	2350
Fixture luminous flux (lm)	2350
Luminaire efficacy (lm/W)	118
Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	70
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	20
Primary Supply/Product voltage - min (V)	220.0
Lamp power factor	0.9
Electrical protection	Class II
Control gear type	LED driver constant current
Dimming method	N/A
Drive current (mA)	600
Inrush Current (A)	20
Inrush Duration (µs)	101
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	38
Max. products per 16A C Breaker	57
Connectable conductor cross section - Min (mm ²)	0.75
Connectable conductor cross section - Max (mm ²)	1.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	100000
Lifespan L80 B20	88000
Lifespan L80 B10	80000
Lifespan L90 B50	50000
Lifespan L90 B20	43000
Lifespan L90 B10	39000

INSAVER UGR19 IP44 200 2350 830 SQ

Item No: 0030512

SYLVANIA

Physical data

Housing colour	RAL 9010 - Pure white
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Not Applicable
Nominal Product Length (mm)	217
Nominal Product Width (mm)	217
Nominal Product Height (mm)	60
Weight (kg)	0.8

Packaging

Product EAN number	5410288305127
Packaging single width (cm)	25.0
Packaging single depth (cm)	8.0
DUN14 (inner)	15410288305124
Packaging outer length / height (cm)	51.5

Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-20-40