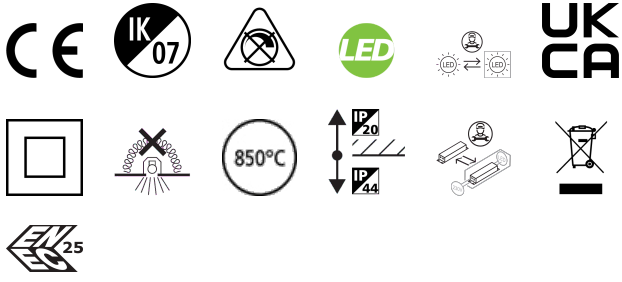


Insaver UGR19 IP44 205 2350LM 830

Item No: 0030504

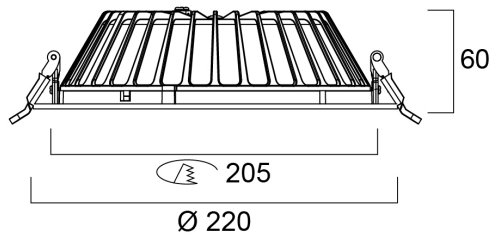


PRO



Technical Assets

Dimensions (mm)



Photometrics

Beam Angle	Beam Diameter (mm)	Beam Area (cm²)	Beam Area (ft²)	Beam Area (m²)
8.3°	218	29.8	0.258	0.028
11.4°	250	39.3	0.343	0.037
15.1°	285	50.7	0.466	0.050
20.9°	335	70.4	0.646	0.070
28.1°	395	98.0	0.880	0.095
37.7°	465	134.0	1.170	0.126
50.0°	545	187.0	1.640	0.177
66.4°	635	253.0	2.200	0.239
87.9°	735	338.0	2.930	0.317
116.3°	845	453.0	3.940	0.426
153.6°	975	600.0	5.200	0.563
201.9°	1125	795.0	6.940	0.751
263.2°	1305	1065.0	9.200	0.995
340.5°	1515	1425.0	12.300	1.335
445.8°	1765	1980.0	17.100	1.845
589.1°	2065	2760.0	23.800	2.575
771.4°	2415	3825.0	32.900	3.565
1003.7°	2815	5205.0	45.100	4.865
1307.0°	3265	6915.0	59.500	6.445
1693.3°	3775	9045.0	78.300	8.475
2273.6°	4355	11605.0	100.500	10.865
2958.9°	4995	15605.0	134.500	14.565
3850.2°	5705	20145.0	174.500	18.815
5057.5°	6495	25305.0	219.500	23.745
6600.8°	7375	31085.0	270.500	29.145
8599.1°	8355	37585.0	326.500	35.345
11152.4°	9435	44805.0	388.500	41.945
14461.7°	10615	52745.0	456.500	49.245
18727.0°	11895	61405.0	530.500	57.245
24048.3°	13275	70885.0	610.500	65.945
30625.6°	14755	82185.0	706.500	76.345
38658.9°	16335	95405.0	819.500	88.445
49347.2°	18015	110645.0	948.500	102.345
63890.5°	19795	128905.0	1095.500	118.045
82598.8°	21675	149185.0	1270.500	136.545
105872.1°	23655	172585.0	1474.500	157.845
134110.4°	25735	199105.0	1708.500	182.045
167823.7°	27915	228845.0	1973.500	211.245
207512.0°	30195	261905.0	2270.500	245.445
253775.3°	32575	298385.0	2600.500	284.645
307213.6°	35055	348385.0	2964.500	328.845
368426.9°	37635	402005.0	3463.500	378.045
437915.2°	40315	460345.0	4000.500	432.245
516178.5°	43095	523505.0	4576.500	491.445
603816.8°	45975	591585.0	5193.500	555.645
700430.1°	48955	664685.0	5853.500	624.845
806718.4°	52035	742905.0	6557.500	709.045
923381.7°	55215	826345.0	7307.500	788.245
1051120.0°	58495	915105.0	8105.500	872.445
1190733.3°	61875	1009285.0	8953.500	961.645
1343021.6°	65355	1118885.0	9853.500	1065.845
1508784.9°	68935	1244005.0	10807.500	1175.045
1687823.2°	72615	1384745.0	11817.500	1289.245
1880946.5°	76395	1541205.0	12885.500	1408.445
2098069.8°	80275	1713485.0	14013.500	1532.645
2339193.1°	84255	1901685.0	15203.500	1661.845
2604316.4°	88335	2106905.0	16457.500	1796.045
2893439.7°	92515	2339245.0	17877.500	1935.245
3206563.0°	96795	2598805.0	19465.500	2089.445
3543686.3°	101175	2886585.0	21233.500	2258.645
3904809.6°	105655	3203685.0	23183.500	2442.845
4290032.9°	110235	3551105.0	25327.500	2642.045
4700456.2°	114915	3939945.0	27667.500	2856.245
5137079.5°	119695	4371305.0	30207.500	3085.445
5599902.8°	124575	4846285.0	32953.500	3339.645
6089026.1°	129555	5365885.0	35910.500	3618.845
6605449.4°	134635	5931105.0	39083.500	3923.045
7149172.7°	139815	6543045.0	42478.500	4253.245
7720196.0°	145095	7203705.0	46100.500	4609.445
8318519.3°	150475	7914085.0	50053.500	4991.645
8944142.6°	155955	8675185.0	54343.500	5399.845
9597065.9°	161535	9488005.0	58976.500	5834.045
10277289.2°	167215	10353645.0	63958.500	6295.245
10984712.5°	172995	11273105.0	69295.500	6783.445
11719335.8°	178875	12247485.0	74993.500	7298.645
12481159.1°	184855	13277885.0	81058.500	7840.845
13270182.4°	190935	14365405.0	87496.500	8410.045
14086405.7°	197115	15511145.0	94313.500	8996.245
14929829.0°	203395	16716205.0	101525.500	9609.445
15800452.3°	209775	17981685.0	109138.500	10249.645
16698275.6°	216255	19308685.0	117158.500	10916.845
17623298.9°	222835	20707305.0	125591.500	11610.045
18575522.2°	229515	22178645.0	134443.500	12330.245
19554945.5°	236295	23733705.0	143720.500	13077.445
20561568.8°	243175	25373485.0	153429.500	13851.645
21595392.1°	250155	27100085.0	163567.500	14652.845
22656415.4°	257235	28914505.0	174141.500	15481.045
23744638.7°	264415	30817845.0	185158.500	16337.245
24859062.0°	271695	32811205.0	196625.500	17221.445
25999685.3°	279075	34905685.0	208549.500	18133.645
27166508.6°	286555	37102285.0	220937.500	19073.845
28359531.9°	294135	39403005.0	233787.500	19942.045
29578755.2°	301815	41809845.0	247106.500	20838.245
30824178.5°	309595	44324805.0	260891.500	21762.445
32095801.8°	317475	46949885.0	275149.500	22714.645
33393625.1°	325455	49687085.0	289887.500	23694.845
34717648.4°	333535	52538405.0	305111.500	24703.045
36067871.7°	341715	55505845.0	320827.500	25738.245
37444295.0°	349995	58591405.0	337041.500	26800.445
38846918.3°	358375	61807085.0	353759.500	27889.645
40275741.6°	366855	65154885.0	370987.500	28995.845
41730764.9°	375435	68636805.0	388731.500	30119.045
43211988.2°	384115	72254845.0	406987.500	31259.245
44720411.5°	392895	76010005.0	425761.500	32416.445
46256034.8°	401775	79904285.0	445059.500	33590.645
47818858.1°	410755	83939685.0	464887.500	34781.845
49408981.4°	419835	88118205.0	485241.500	35989.045
51026404.7°	428915	92441845.0	506127.500	37212.245
52671228.0°	438095	96912605.0	527551.500	38451.445
54343451.3°	447375	101532485.0	549519.500	39706.645
56043074.6°	456755	106303505.0	572027.500	40977.845
57769997.9°	466235	111227745.0	595071.500	42265.045
59524221.2°	475815	116307205.0	618647.500	43568.245
61295844.5°	485495	121543885.0	642751.500	44887.445
63084967.8°	495275	126939705.0	667379.500	46212.645
64891591.1°	505155	132496685.0	692527.500	47553.845
66715714.4°	515135	138216825.0	718191.500	48910.045
68557337.7°	525215	144092025.0	744367.500	50281.245
70416461.0°	535395	150124385.0	771061.500	51667.445
72293084.3°	545675	156316805.0	798269.500	53068.645
74187207.6°	556055	162671285.0	825987.500	54484.845
76098830.9°	566535	169190825.0	854211.500	55916.045
78027954.2°	577115	175877425.0	882947.500	57362.245
79974577.5°	587795	182733085.0	912191.500	58823.445
81938700.8°	598575	189769805.0	941939.500	60299.645
83920324.1°	609455	196989585.0	972187.500	61790.845
85919447.4°	620435	204384425.0	1002931.500	63297.045
87936070.7°	631515	211957325.0	1034167.500	64818.245
89960194.0°	642695	219711285.0	1065891.500	66354.445
91991817.3°	653975	227649305.0	1098109.500	67905.645
94040940.6°	665355	235775385.0	1130817.500	69471.845
96097563.9°	676835	244092525.0	1164011.500	71053.045
98171687.2°	688415	252603725.0	1197687.500	72649.245
100263310.5°	699995	261311985.0	1231841.500	74260.445
102372433.8°	711675	270220405.0	1266469.500	75886.645
104499057.1°	723455	279332985.0	1301567.500	77527.845
106643180.4°	735335	288652725.0	1337131.500	79184.045
108804803.7°	747315	298183625.0	1373157.500	80855.245
110983927.0°	759395	307928685.0	1409641.500	82541.445
113180550.3°	771575	317890905.0	1446579.500	84242.645
115394673.6°	783855	328073285.0	1483967.500	85958.845
117626296.9°	796235	338479825.0	1521801.500	87689.045
119875420.2°	808715	349113525.0	1560077.500	89434.245
122142043.5°	821295	360078385.0	1598791.500	91194.445
124426166.8°	833975	371378405.0	1637939.500	92969.645
126727789.1°	846755	382917585.0	1677517.500	94759.845
129046912.4°	859635	394700025.0	1717521.500	96564.045
131383535.7°	872615	406730725.0	1757947.500	98382.245
133737659.0°	885695	419013685.0	1798791.500	100214.445
136109282.3°	898875	431552905.0	1839949.500	102060.645
138498405.6°	912155	444352385.0	1881417.500	103920.845
140905028.9°	925535	457416125.0		

Insaver UGR19 IP44 205 2350LM 830

Item No: 0030504

SYLVANIA

General data

Product name	Insaver UGR19 IP44 205 2350LM 830
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	4278519
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 205 2350LM 830

Item No: 0030504



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 Height (mm)	60
Nominal Product Diameter (mm)	220
Built-in diameter (mm)	205
Weight (kg)	0.73

Packaging

Product EAN number	5410288305042
Packaging single width (cm)	23.2
Packaging single depth (cm)	8.0
DUN14 (inner)	15410288305049
Packaging outer length / height (cm)	48.0

Safety data

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