

## Solatube International Photometry 2.0

Model Tube Diameter Ceiling Type Tube Length Dome Assembly Diffuser Type		160 DS Daylighting System 10 in/250 mm (dia.)				290 DS Daylighting System 14 in/350 mm (dia.)				330 DS Daylighting System 21 in/530 mm (dia.)				750 DS Daylighting System 21 in/530 mm (dia.)							
		Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling		Susp./Closed		Open Ceiling				Suspended/Closed Ceiling			
		6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)			
		Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView
Argentina - Buenos Aires	% Eff.	45%	43%	46%	44%	45%	43%	46%	44%	64%	64%	57%	55%	53%	53%	50%	51%	47%	45%	45%	43%
	Ave	1293	1234	1327	1268	2598	2467	2656	2529	9070	9045	8027	7729	7510	7551	7006	7219	6618	6396	6315	6113
	Min	588	561	599	573	1279	1193	1307	1225	4365	4396	3644	3569	4004	4049	3791	3900	3384	3289	3237	3146
	Ave	1477	1410	1516	1448	2945	2801	3009	2870	10357	10310	9264	8899	8403	8445	7840	8071	7446	7189	7104	6868
	Min	894	856	913	878	1899	1779	1958	1837	6022	6116	4917	4835	5749	5791	5491	5560	4894	4756	4673	4560
	Ave	1679	1601	1721	1643	3312	3157	3374	3225	11937	11838	10968	10458	9255	9292	8628	8873	8321	8009	7932	7645
	Min	1248	1193	1286	1230	2505	2382	2572	2451	8430	8489	6911	6826	7507	7549	7151	7229	6499	6283	6198	6011
	LEED 2.2	1881	1790	1907	1815	3632	3450	3664	3490	13540	12911	13026	12090	9373	9356	8910	8911	8775	8348	8338	7949
LEED 2009	1327	1278	1374	1328	2721	2631	2806	2722	8514	8518	6662	6754	7509	7451	7238	7191	6633	6405	6395	6185	
Austria - Vienna	Max	1972	1868	2008	1898	3695	3502	3711	3526	14426	14216	14503	13393	9791	9853	9266	9332	9111	8711	8616	8245
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	65%	65%	57%	55%	54%	54%	51%	52%	48%	46%	46%	44%
	Ave	896	855	920	879	1787	1702	1829	1746	6528	6482	5732	5521	5381	5401	5090	5159	4772	4605	4552	4399
	Min	332	316	341	325	678	639	696	658	2554	2567	2222	2144	2251	2278	2221	2171	1936	1878	1843	1790
	Ave	1051	1003	1079	1031	2093	1995	2141	2045	7629	7556	6726	6475	6212	6229	5863	5952	5533	5333	5279	5096
	Min	537	511	554	528	1078	1023	1113	1056	3942	3991	3302	3227	3568	3602	3474	3441	3070	2988	2925	2848
	Ave	1246	1190	1276	1220	2475	2362	2526	2416	9029	8888	8061	7728	7148	7155	6729	6840	6428	6179	6135	5907
	Min	802	767	830	793	1607	1534	1661	1582	5821	5880	4887	4795	5159	5190	4982	4961	4463	4347	4266	4149
LEED 2.2	1509	1451	1541	1488	3094	2976	3159	3049	10233	9954	8621	8490	8105	8019	7807	7744	7375	7047	7102	6806	
LEED 2009	1096	1053	1155	1110	2208	2132	2309	2236	6460	6690	4682	4829	6671	6681	6404	6410	5602	5504	5382	5286	
Brazil - Sao Paulo	Max	2498	2336	2516	2365	4948	4606	4957	4619	17811	19225	18057	17870	11816	11951	11200	11338	11123	10650	10542	10103
	% Eff.	44%	42%	45%	43%	43%	41%	44%	42%	66%	66%	60%	57%	52%	52%	49%	50%	47%	45%	45%	43%
	Ave	1167	1112	1194	1139	2318	2204	2362	2251	8711	8681	7851	7542	6866	6896	6433	6580	6167	5935	5876	5663
	Min	612	584	629	600	1227	1164	1258	1197	4719	4746	4080	3952	4036	4064	3837	3878	3529	3420	3361	3260
	Ave	1318	1256	1347	1286	2614	2487	2661	2538	9786	9737	8890	8523	7597	7626	7122	7278	6858	6592	6534	6290
	Min	824	786	847	808	1650	1567	1693	1614	6239	6262	5336	5181	5314	5356	5092	5102	4680	4529	4463	4319
	Ave	1495	1425	1526	1456	2957	2813	3003	2864	11069	10992	10211	9749	8354	8383	7824	7997	7603	7294	7240	6958
	Min	1098	1047	1127	1078	2194	2084	2244	2137	8285	8209	7156	6941	6793	6812	6507	6518	6046	5822	5775	5576
LEED 2.2	2139	2026	2179	2059	4005	3796	4018	3818	15633	15489	15795	14603	10309	10395	9733	9818	9749	9314	9205	8799	
LEED 2009	1465	1410	1501	1450	3008	2897	3078	2975	9816	9608	8127	8062	7962	7880	7673	7612	7200	6895	6937	6660	
Columbia - Bogota	Max	2385	2251	2402	2280	4804	4522	4786	4514	17273	18752	17607	17334	11843	11940	11221	11331	11036	10575	10466	10040
	% Eff.	43%	41%	44%	42%	43%	41%	44%	42%	67%	67%	61%	58%	53%	53%	49%	50%	47%	45%	45%	43%
	Ave	1204	1146	1232	1174	2383	2263	2427	2310	9145	9123	8309	7954	7195	7239	6711	6899	6456	6216	6144	5924
	Min	683	650	700	667	1367	1294	1400	1328	5210	5230	4513	4363	4515	4557	4291	4340	3955	3838	3767	3656
	Ave	1354	1288	1384	1318	2672	2539	2719	2588	10236	10201	9362	8947	7937	7981	7404	7606	7158	6884	6811	6559
	Min	855	814	877	836	1709	1623	1753	1669	6626	6633	5745	5570	5528	5568	5247	5311	4874	4707	4641	4488
	Ave	1532	1458	1565	1490	3014	2864	3061	2915	11549	11497	10726	10207	8752	8800	8162	8381	7942	7629	7552	7265
	Min	1130	1077	1158	1105	2251	2139	2298	2187	8628	8596	7699	7404	7032	7071	6710	6743	6265	6037	5965	5757
LEED 2.2	2401	2264	2420	2294	4834	4542	4826	4543	17441	18868	17547	17377	10534	10689	9969	10156	10193	9704	9634	9213	
LEED 2009	1589	1525	1617	1557	3231	3098	3287	3163	10976	10576	9562	9274	8366	8283	8042	7985	7682	7322	7381	7056	



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Model Tube Diameter Ceiling Type Tube Length Dome Assembly Diffuser Type		160 DS Daylighting System 10 in/250 mm (dia.)				290 DS Daylighting System 14 in/350 mm (dia.)				330 DS Daylighting System 21 in/530 mm (dia.)				750 DS Daylighting System 21 in/530 mm (dia.)							
		Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling 3' (914 mm)		Susp/Closed 10' (3048 mm)		Open Ceiling 3' (914 mm)				Suspended/Closed Ceiling 10' (3048 mm)			
		6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)			
		Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView
Denmark - Copenhagen	Max	1742	1657	1770	1683	3369	3198	3406	3240	12797	12324	12203	11375	9123	9132	8667	8690	8451	8065	8026	7674
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	65%	65%	57%	55%	55%	56%	53%	53%	49%	47%	46%	45%
	Ave	778	743	799	764	1564	1488	1604	1530	5690	5667	4930	4774	4801	4823	4547	4610	4225	4083	4033	3903
	Min	287	274	294	281	595	559	613	577	2153	2173	1866	1806	1974	2001	1937	1908	1678	1630	1598	1554
	Ave	916	875	941	900	1837	1751	1883	1799	6672	6633	5789	5605	5579	5598	5272	5353	4929	4759	4706	4551
	Min	456	434	469	447	923	874	951	900	3420	3445	2887	2809	3066	3094	3009	2951	2637	2560	2512	2440
	Ave	1086	1037	1114	1066	2175	2075	2226	2129	7908	7822	6912	6681	6461	6471	6088	6191	5757	5545	5499	5305
	Min	708	675	729	696	1422	1350	1464	1392	5141	5221	4373	4260	4611	4645	4438	4437	3993	3871	3804	3694
	LEED 2.2	1294	1246	1343	1297	2647	2561	2736	2655	8196	8248	6323	6442	7396	7345	7127	7086	6490	6282	6256	6063
	LEED 2009	930	891	988	945	1868	1790	1969	1891	5185	5455	3638	3737	5970	6028	5713	5761	4819	4790	4613	4581
France - Lyon	Max	2034	1926	2071	1958	3809	3610	3824	3633	14868	14665	14973	13827	10110	10189	9563	9645	9397	8999	8889	8519
	% Eff.	44%	42%	45%	43%	44%	42%	46%	43%	65%	65%	57%	55%	54%	55%	52%	52%	48%	46%	46%	44%
	Ave	960	916	985	941	1924	1829	1970	1877	6951	6911	6102	5877	5797	5826	5483	5566	5109	4936	4874	4716
	Min	369	353	376	360	755	713	775	732	2832	2829	2434	2358	2484	2513	2464	2398	2153	2084	2051	1992
	Ave	1122	1071	1152	1100	2241	2132	2293	2187	8091	8029	7131	6861	6668	6696	6292	6398	5903	5698	5631	5444
	Min	581	556	599	573	1204	1131	1238	1164	4235	4279	3610	3499	3878	3917	3801	3757	3314	3225	3161	3077
	Ave	1320	1260	1354	1293	2622	2498	2679	2559	9512	9393	8499	8146	7629	7651	7173	7309	6810	6560	6496	6266
	Min	888	847	915	872	1804	1710	1851	1756	6381	6455	5341	5246	5732	5762	5550	5509	4982	4813	4750	4594
	LEED 2.2	1579	1516	1607	1549	3218	3087	3275	3153	10889	10500	9442	9179	8333	8248	8014	7955	7646	7288	7350	7027
	LEED 2009	1145	1101	1202	1158	2315	2238	2414	2340	6869	7069	5045	5197	6860	6854	6593	6585	5827	5703	5603	5485
France - Paris	Max	1954	1852	1988	1881	3703	3515	3736	3556	14256	13870	14204	13085	9746	9756	9263	9280	9046	8646	8593	8211
	% Eff.	44%	42%	45%	43%	44%	42%	46%	43%	66%	65%	57%	55%	56%	56%	53%	54%	49%	47%	47%	45%
	Ave	843	805	866	827	1699	1613	1741	1656	6187	6167	5395	5207	5243	5275	4955	5040	4595	4445	4383	4246
	Min	330	315	337	322	680	642	696	659	2556	2563	2191	2112	2248	2269	2189	2168	1934	1876	1849	1797
	Ave	985	940	1011	966	1975	1877	2024	1928	7192	7159	6287	6065	6043	6075	5702	5804	5313	5136	5068	4906
	Min	514	491	527	504	1059	1002	1085	1027	3840	3864	3260	3169	3457	3487	3346	3335	2975	2895	2839	2761
	Ave	1160	1107	1191	1138	2314	2203	2369	2261	8445	8375	7452	7170	6957	6985	6545	6673	6162	5947	5878	5681
	Min	776	740	797	760	1574	1491	1618	1532	5662	5707	4722	4600	5087	5124	4912	4888	4400	4265	4194	4063
	LEED 2.2	1481	1425	1515	1464	3041	2928	3109	3004	9967	9734	8299	8215	8013	7929	7722	7660	7264	6950	6999	6715
	LEED 2009	1076	1033	1135	1091	2165	2089	2266	2193	6294	6534	4539	4682	6590	6606	6324	6335	5508	5419	5288	5202
Germany - Hamburg	Max	1794	1706	1824	1731	3455	3280	3486	3318	13209	12759	12721	11821	9340	9362	8884	8926	8664	8273	8218	7859
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	66%	65%	57%	55%	56%	56%	53%	53%	49%	47%	47%	45%
	Ave	764	729	785	750	1536	1461	1575	1501	5616	5599	4873	4715	4752	4775	4499	4563	4175	4037	3983	3857
	Min	284	270	290	277	582	549	597	564	2160	2176	1873	1809	1931	1954	1904	1861	1647	1601	1568	1528
	Ave	898	857	922	882	1801	1715	1846	1761	6579	6549	5719	5532	5519	5542	5212	5296	4866	4701	4644	4492
	Min	453	431	466	444	919	869	949	897	3394	3421	2874	2798	3031	3062	2963	2922	2602	2535	2478	2420
	Ave	1061	1013	1089	1042	2124	2025	2175	2078	7752	7685	6784	6552	6381	6398	6010	6118	5664	5462	5408	5222
	Min	691	659	711	679	1392	1323	1437	1366	5140	5170	4355	4247	4540	4569	4393	4367	3888	3804	3708	3630
	LEED 2.2	1352	1302	1397	1350	2776	2683	2859	2772	8747	8717	6905	6981	7594	7529	7322	7270	6741	6497	6500	6277
	LEED 2009	978	937	1036	993	1961	1884	2063	1987	5530	5798	3909	4025	6179	6225	5918	5955	5045	4999	4834	4786



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Model	160 DS Daylighting System				290 DS Daylighting System				330 DS Daylighting System				750 DS Daylighting System								
	10 in/250 mm (dia.)				14 in/350 mm (dia.)				21 in/530 mm (dia.)				21 in/530 mm (dia.)								
	Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling		Susp/Closed		Open Ceiling				Suspended/Closed Ceiling				
	6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)				
Tube Diameter																					
Ceiling Type									Single Prismatic		Single OptiView		Single Prismatic				Single OptiView				
Tube Length									3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)				
Dome Assembly	Single	Dual	Single	Dual	Single	Dual	Single	Dual	Single	Single	Single	Single	Single	Single	Dual	Dual	Single	Single	Dual	Dual	
Diffuser Type	Vusion	Vusion	OptiView	OptiView	Vusion	Vusion	OptiView	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	
Greece - Athens	Max	2130	2018	2170	2054	4047	3840	4052	3854	15685	15993	15848	14883	10397	10505	9848	9957	9762	9345	9230	8840
	% Eff.	45%	43%	46%	44%	44%	42%	45%	43%	64%	64%	58%	56%	52%	52%	49%	49%	46%	44%	44%	42%
	Ave	1280	1221	1313	1253	2540	2418	2592	2474	9100	9031	8163	7826	7260	7285	6826	6958	6491	6254	6190	5973
	Min	630	601	648	621	1298	1226	1335	1267	4488	4554	3717	3616	4176	4217	4034	4042	3544	3459	3380	3313
	Ave	1454	1387	1489	1421	2868	2733	2921	2791	10367	10251	9435	9009	8038	8059	7550	7694	7253	6974	6914	6658
	Min	921	880	952	910	1874	1781	1932	1844	6314	6386	5084	5021	5804	5833	5598	5592	5022	4884	4812	4670
	Ave	1639	1561	1673	1595	3206	3054	3251	3105	11856	11665	11102	10505	8744	8765	8192	8358	8008	7673	7624	7316
	Min	1222	1170	1264	1209	2462	2349	2526	2427	8572	8515	7326	7130	7399	7437	7103	7099	6411	6222	6134	5960
	LEED 2.2	1787	1706	1811	1730	3518	3349	3556	3396	12746	12131	11925	11195	9038	8989	8625	8601	8426	8009	8037	7661
LEED 2009	1274	1227	1325	1280	2604	2519	2694	2614	8022	8095	6151	6276	7329	7284	7060	7023	6406	6209	6173	5990	
Holland - Amsterdam	Max	1835	1743	1863	1768	3534	3359	3576	3408	13364	12871	13058	12069	9485	9469	9033	9037	8775	8366	8354	7983
	% Eff.	44%	42%	46%	43%	45%	42%	46%	44%	65%	65%	57%	55%	56%	56%	53%	54%	49%	47%	47%	45%
	Ave	786	751	808	772	1586	1507	1627	1549	5712	5692	4951	4788	4873	4900	4614	4684	4264	4126	4070	3944
	Min	287	274	294	280	587	553	601	568	2222	2230	1933	1867	1937	1964	1916	1872	1679	1632	1602	1556
	Ave	927	885	952	910	1865	1773	1912	1823	6700	6667	5817	5624	5673	5700	5360	5449	4978	4814	4752	4602
	Min	450	430	460	440	926	872	950	898	3315	3358	2827	2733	3035	3077	2958	2941	2596	2531	2473	2416
	Ave	1112	1062	1142	1092	2227	2122	2282	2179	7991	7920	6983	6741	6647	6668	6265	6376	5873	5670	5608	5422
	Min	680	648	698	669	1381	1308	1420	1347	4944	4986	4197	4085	4484	4525	4348	4315	3863	3754	3686	3588
	LEED 2.2	1381	1330	1424	1376	2838	2741	2918	2828	9020	8947	7205	7253	7689	7618	7415	7359	6861	6601	6616	6379
LEED 2009	1000	959	1059	1016	2007	1931	2109	2035	5702	5966	4047	4170	6277	6316	6015	6045	5153	5098	4940	4883	
Ireland - Dublin	Max	1872	1778	1900	1803	3567	3383	3594	3418	13603	13134	13260	12244	9804	9827	9333	9372	8909	8533	8476	8137
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	66%	66%	57%	55%	56%	57%	53%	54%	49%	48%	47%	45%
	Ave	738	704	758	725	1485	1411	1523	1450	5453	5445	4732	4577	4642	4670	4389	4461	4067	3936	3880	3759
	Min	303	289	310	296	619	586	635	602	2324	2336	1974	1911	2058	2083	2009	1988	1769	1718	1683	1636
	Ave	858	819	882	843	1722	1638	1766	1683	6322	6304	5496	5317	5337	5365	5036	5126	4692	4536	4476	4333
	Min	460	439	474	452	940	888	968	915	3441	3475	2935	2846	3113	3141	3029	2995	2636	2579	2514	2459
	Ave	1011	966	1039	993	2025	1929	2075	1981	7417	7370	6480	6260	6170	6193	5809	5919	5454	5266	5205	5033
	Min	658	628	679	648	1335	1260	1377	1304	4836	4881	4116	4001	4315	4359	4203	4159	3743	3625	3567	3463
	LEED 2.2	1352	1302	1397	1350	2776	2683	2859	2772	8747	8717	6905	6981	7594	7529	7322	7270	6741	6497	6500	6277
LEED 2009	978	937	1036	993	1961	1884	2063	1987	5530	5798	3909	4025	6179	6225	5918	5955	5045	4999	4834	4786	
Israel - Jerusalem	Max	2273	2152	2298	2185	4544	4298	4531	4296	16698	17894	16782	16436	10690	10810	10158	10290	9970	9530	9460	9069
	% Eff.	45%	43%	46%	44%	44%	42%	45%	43%	64%	64%	59%	56%	48%	48%	46%	46%	44%	42%	42%	40%
	Ave	1486	1418	1520	1452	2932	2798	2979	2850	10550	10462	9662	9248	7945	7953	7478	7597	7254	6958	6919	6647
	Min	829	793	864	827	1662	1592	1726	1651	5649	5744	4620	4566	5289	5326	5122	5089	4524	4424	4326	4227
	Ave	1653	1576	1685	1608	3245	3094	3286	3142	11815	11673	11060	10516	8557	8563	8032	8175	7906	7562	7534	7218
	Min	1142	1095	1184	1137	2311	2212	2376	2291	7752	7782	6265	6257	6865	6868	6665	6589	5997	5809	5748	5582
	Ave	1828	1739	1859	1768	3546	3371	3572	3406	13262	13098	12857	12094	9120	9148	8519	8705	8542	8151	8114	7756
	Min	1465	1406	1494	1439	2959	2834	3014	2894	10305	9995	8995	8709	8021	7967	7735	7669	7292	6972	6986	6706
	LEED 2.2	1946	1849	1975	1874	3711	3520	3739	3556	14073	13482	13762	12705	9609	9616	9111	9131	9017	8586	8548	8153
LEED 2009	1362	1312	1406	1359	2797	2702	2879	2790	8844	8797	7018	7080	7627	7560	7353	7300	6781	6532	6538	6311	





## Solatube International Photometry 2.0

Model	160 DS Daylighting System				290 DS Daylighting System				330 DS Daylighting System				750 DS Daylighting System								
	10 in/250 mm (dia.)				14 in/350 mm (dia.)				21 in/530 mm (dia.)				21 in/530 mm (dia.)								
	Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling		Susp/Closed		Open Ceiling				Suspended/Closed Ceiling				
	6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)				
Tube Diameter																					
Ceiling Type																					
Tube Length																					
Dome Assembly	Single	Dual	Single	Dual	Single	Dual	Single	Dual	Single	Single	Single	Single	Single	Single	Dual	Dual	Single	Single	Dual	Dual	
Diffuser Type	Vusion	Vusion	OptiView	OptiView	Vusion	Vusion	OptiView	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	Prismatic	OptiView	
Italy - Milan	Max	2018	1911	2055	1941	3765	3568	3774	3586	14659	14447	14891	13716	10073	10152	9532	9614	9328	8939	8828	8466
	% Eff.	44%	42%	46%	43%	44%	42%	45%	43%	65%	64%	57%	55%	53%	54%	51%	51%	47%	46%	45%	44%
	Ave	1016	970	1043	996	2024	1927	2071	1976	7333	7278	6466	6219	6029	6054	5692	5782	5345	5159	5098	4927
	Min	420	400	433	413	859	812	884	837	3148	3179	2681	2605	2826	2872	2768	2745	2418	2349	2304	2239
	Ave	1179	1125	1210	1156	2343	2232	2395	2287	8490	8402	7537	7237	6867	6887	6475	6579	6122	5900	5840	5636
	Min	632	604	654	624	1280	1209	1326	1253	4575	4645	3834	3736	4189	4225	4045	4034	3576	3481	3410	3326
	Ave	1382	1318	1414	1350	2731	2604	2783	2660	9999	9832	9031	8624	7793	7804	7324	7453	7033	6757	6707	6454
	Min	932	890	968	925	1874	1788	1941	1855	6660	6742	5482	5430	5921	5934	5710	5677	5136	4988	4903	4771
	LEED 2.2	1579	1516	1607	1549	3218	3087	3275	3153	10889	10500	9442	9179	8333	8248	8014	7955	7646	7288	7350	7027
	LEED 2009	1145	1101	1202	1158	2315	2238	2414	2340	6869	7069	5045	5197	6860	6854	6593	6585	5827	5703	5603	5485
Italy - Pisa	Max	2043	1935	2081	1967	3832	3632	3845	3654	14972	14881	15089	13981	10185	10275	9631	9721	9514	9110	8996	8620
	% Eff.	45%	43%	46%	44%	44%	42%	45%	43%	65%	64%	57%	55%	53%	53%	50%	51%	47%	45%	45%	43%
	Ave	1135	1083	1165	1113	2256	2149	2308	2204	8087	8022	7145	6871	6606	6629	6235	6332	5870	5663	5600	5410
	Min	527	502	544	519	1073	1014	1107	1043	3796	3850	3163	3085	3503	3549	3409	3400	3004	2926	2865	2794
	Ave	1298	1239	1331	1272	2571	2452	2625	2510	9278	9167	8288	7946	7390	7407	6961	7075	6622	6375	6317	6090
	Min	761	727	788	754	1542	1468	1599	1522	5339	5393	4338	4294	4939	4987	4789	4766	4189	4098	3998	3916
	Ave	1484	1415	1517	1448	2922	2787	2973	2843	10713	10508	9816	9332	8177	8188	7674	7817	7418	7119	7071	6797
	Min	1098	1050	1133	1086	2206	2109	2264	2169	7553	7582	6272	6178	6655	6652	6427	6381	5832	5646	5582	5395
	LEED 2.2	1635	1568	1660	1597	3307	3166	3359	3226	11402	10933	10107	9726	8517	8437	8178	8124	7858	7479	7541	7199
	LEED 2009	1182	1137	1238	1193	2396	2318	2494	2419	7188	7358	5338	5490	6998	6980	6731	6714	5995	5851	5769	5633
Italy - Rome	Max	2061	1952	2099	1986	3901	3701	3905	3714	15139	15372	15340	14365	10234	10308	9692	9771	9466	9058	8950	8582
	% Eff.	44%	42%	46%	44%	44%	42%	45%	43%	65%	64%	58%	56%	53%	53%	50%	51%	47%	45%	45%	43%
	Ave	1125	1073	1155	1103	2234	2127	2283	2179	8113	8055	7211	6925	6577	6602	6201	6304	5856	5647	5583	5392
	Min	545	519	561	536	1109	1050	1143	1080	3939	3985	3297	3221	3637	3686	3525	3515	3114	3035	2964	2895
	Ave	1282	1223	1314	1255	2536	2416	2588	2472	9247	9146	8317	7960	7330	7351	6899	7018	6574	6328	6268	6042
	Min	771	736	800	765	1566	1483	1616	1534	5513	5595	4569	4492	4978	5015	4832	4798	4307	4179	4105	3996
	Ave	1470	1402	1503	1434	2892	2756	2941	2810	10692	10507	9838	9344	8125	8140	7624	7768	7380	7081	7032	6758
	Min	1045	1000	1086	1039	2108	2014	2178	2086	7444	7462	6293	6135	6499	6513	6256	6234	5663	5489	5408	5259
	LEED 2.2	1677	1606	1701	1633	3370	3220	3418	3277	11779	11258	10607	10133	8657	8584	8300	8252	8015	7623	7679	7327
	LEED 2009	1208	1163	1263	1218	2456	2376	2551	2476	7422	7568	5560	5708	7095	7069	6827	6804	6114	5955	5886	5737
Mexico - Acapulco	Max	2291	2172	2335	2213	4489	4218	4493	4233	17094	17668	17050	16240	11564	11689	10977	11085	10846	10390	10271	9845
	% Eff.	45%	43%	46%	44%	45%	42%	45%	43%	65%	64%	59%	57%	51%	51%	48%	49%	46%	44%	43%	42%
	Ave	1545	1473	1581	1509	3073	2920	3130	2983	11014	10977	10020	9604	8648	8688	8090	8296	7753	7466	7389	7127
	Min	922	878	941	899	1864	1769	1903	1809	6705	6713	5450	5396	5712	5777	5464	5536	4987	4824	4766	4617
	Ave	1710	1630	1749	1669	3387	3221	3447	3287	12187	12116	11230	10737	9329	9369	8730	8947	8396	8078	8001	7711
	Min	1236	1181	1280	1220	2502	2372	2556	2426	8587	8622	7162	7056	7490	7554	7138	7194	6634	6431	6334	6134
	Ave	1874	1787	1916	1829	3697	3525	3754	3589	13326	13233	12622	11980	9854	9884	9228	9446	8970	8607	8550	8219
	Min	1530	1457	1570	1492	3028	2865	3081	2916	10805	10813	9548	9219	8891	8951	8441	8539	7919	7629	7532	7274
	LEED 2.2	2248	2130	2288	2167	4293	4074	4292	4084	16527	16988	16757	15816	10634	10758	10061	10184	10137	9690	9591	9173
	LEED 2009	1525	1466	1556	1502	3120	2999	3184	3071	10381	10078	8812	8648	8157	8072	7853	7792	7436	7102	7157	6855





## Solatube International Photometry 2.0

Model Tube Diameter Ceiling Type Tube Length Dome Assembly Diffuser Type		160 DS Daylighting System 10 in/250 mm (dia.)				290 DS Daylighting System 14 in/350 mm (dia.)				330 DS Daylighting System 21 in/530 mm (dia.)				750 DS Daylighting System 21 in/530 mm (dia.)							
		Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling		Susp/Closed		Open Ceiling				Suspended/Closed Ceiling			
		6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)			
		Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView
Mexico - Mexico City	Max	2394	2273	2441	2319	4731	4455	4744	4502	18311	18790	17538	16955	13362	13495	12688	12828	12200	11730	11584	11149
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	66%	66%	60%	57%	52%	53%	49%	50%	47%	45%	44%	43%
	Ave	1364	1300	1395	1331	2731	2587	2781	2641	10054	10049	9119	8749	7960	8010	7473	7647	7111	6852	6773	6536
	Min	740	705	758	723	1519	1431	1551	1469	5690	5710	4888	4751	4884	4938	4675	4712	4274	4129	4072	3941
	Ave	1536	1463	1571	1498	3059	2901	3111	2959	11262	11248	10317	9879	8762	8812	8215	8408	7869	7574	7493	7224
	Min	978	931	1001	955	1997	1874	2036	1918	7333	7381	6379	6177	6214	6268	5960	5969	5474	5289	5224	5052
	Ave	1740	1656	1778	1694	3440	3264	3493	3323	12737	12707	11874	11325	9598	9652	8984	9207	8687	8348	8267	7958
	Min	1322	1263	1361	1299	2690	2537	2736	2587	9355	9368	8052	7799	7925	7967	7586	7610	7000	6763	6685	6466
	LEED 2.2	2210	2093	2251	2130	4175	3961	4180	3975	16216	16428	16449	15377	10538	10650	9957	10067	10011	9571	9461	9048
LEED 2009	1504	1446	1537	1484	3082	2964	3148	3038	10184	9913	8569	8442	8088	8004	7790	7729	7354	7029	7081	6787	
Mexico - Veracruz	Max	2305	2157	2328	2197	4553	4265	4574	4286	16999	17832	16902	16425	11438	11564	10838	10970	10745	10291	10184	9761
	% Eff.	44%	42%	45%	43%	43%	41%	44%	42%	66%	66%	60%	58%	52%	52%	49%	50%	47%	45%	44%	43%
	Ave	1287	1226	1317	1256	2555	2428	2603	2479	9564	9555	8660	8312	7539	7579	7068	7229	6763	6512	6441	6211
	Min	705	672	723	689	1415	1343	1448	1376	5488	5494	4737	4579	4604	4642	4411	4431	4060	3912	3867	3734
	Ave	1442	1374	1475	1407	2858	2717	2910	2773	10671	10647	9751	9343	8279	8320	7758	7936	7453	7171	7097	6839
	Min	943	897	967	921	1883	1787	1924	1829	7063	7112	6133	5949	6091	6118	5825	5849	5338	5166	5087	4927
	Ave	1635	1557	1670	1592	3226	3069	3276	3124	12022	11982	11149	10646	9050	9089	8472	8667	8233	7903	7838	7536
	Min	1212	1158	1246	1190	2425	2303	2483	2369	8963	8968	7841	7562	7540	7598	7258	7256	6638	6408	6310	6114
	LEED 2.2	2218	2101	2259	2138	4198	3983	4201	3996	16282	16542	16517	15468	10560	10675	9981	10093	10039	9597	9489	9076
LEED 2009	1508	1450	1541	1487	3090	2972	3155	3045	10225	9948	8620	8485	8103	8018	7804	7743	7371	7045	7097	6802	
Nicaragua - Managua	Max	2407	2263	2427	2298	4816	4515	4831	4543	17780	18892	17466	17280	11657	11812	11028	11213	10977	10493	10372	9955
	% Eff.	44%	42%	45%	43%	43%	41%	44%	42%	66%	66%	61%	58%	50%	50%	47%	48%	46%	44%	43%	42%
	Ave	1378	1312	1407	1341	2717	2583	2760	2630	10268	10218	9459	9033	7810	7845	7289	7478	7088	6807	6746	6488
	Min	828	790	849	812	1657	1578	1698	1623	6029	6064	5135	5012	5204	5223	4951	4995	4570	4412	4358	4215
	Ave	1515	1441	1545	1471	2978	2829	3019	2875	11330	11264	10582	10065	8435	8474	7872	8073	7699	7384	7322	7034
	Min	1092	1043	1118	1070	2180	2081	2230	2132	8078	8049	7122	6887	6590	6618	6283	6320	5901	5680	5623	5423
	Ave	1661	1579	1692	1609	3248	3084	3286	3127	12423	12380	11783	11168	9038	9088	8429	8648	8303	7956	7888	7570
	Min	1352	1292	1380	1320	2703	2569	2746	2617	10183	10024	9163	8771	7815	7838	7446	7480	7078	6791	6752	6478
	LEED 2.2	2311	2191	2345	2227	4542	4306	4530	4307	17021	17982	17174	16578	10707	10844	10159	10305	10280	9813	9751	9322
LEED 2009	1559	1498	1588	1531	3180	3053	3240	3121	10700	10344	9210	8982	8268	8184	7955	7895	7568	7219	7278	6963	
Peru - Lima	Max	2406	2255	2424	2283	4787	4466	4795	4477	17258	18622	17422	17248	11451	11573	10849	10973	10699	10242	10121	9709
	% Eff.	44%	41%	45%	42%	43%	41%	44%	42%	66%	67%	61%	58%	52%	52%	48%	50%	47%	45%	44%	43%
	Ave	1191	1134	1218	1160	2354	2236	2396	2280	8961	8964	8188	7841	6970	7013	6485	6683	6276	6040	5971	5755
	Min	609	579	625	596	1221	1155	1249	1185	4683	4715	4055	3922	4049	4082	3826	3888	3524	3421	3355	3259
	Ave	1358	1293	1388	1323	2680	2546	2724	2594	10146	10145	9340	8932	7778	7822	7237	7453	7035	6764	6693	6445
	Min	769	733	790	754	1545	1466	1582	1502	5968	6008	5258	5058	5046	5081	4778	4843	4427	4290	4219	4090
	Ave	1600	1523	1634	1556	3146	2991	3191	3040	11839	11827	11036	10525	8838	8882	8224	8462	8059	7736	7666	7370
	Min	1028	982	1067	1017	2067	1967	2126	2023	7599	7606	6607	6411	6542	6588	6152	6285	5632	5485	5376	5239
	LEED 2.2	2311	2191	2345	2227	4542	4306	4530	4307	17021	17982	17174	16578	10707	10844	10159	10305	10280	9813	9751	9322
LEED 2009	1559	1498	1588	1531	3180	3053	3240	3121	10700	10344	9210	8982	8268	8184	7955	7895	7568	7219	7278	6963	



## Solatube International Photometry 2.0

Model	160 DS Daylighting System				290 DS Daylighting System				330 DS Daylighting System				750 DS Daylighting System								
	10 in/250 mm (dia.)				14 in/350 mm (dia.)				21 in/530 mm (dia.)				21 in/530 mm (dia.)								
	Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling		Susp/Closed		Open Ceiling				Suspended/Closed Ceiling				
	6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)				
Tube Diameter	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	
Ceiling Type																					
Tube Length																					
Dome Assembly																					
Diffuser Type																					
Russia - Moscow	Max	1754	1669	1779	1693	3388	3217	3419	3257	12715	12180	12215	11348	8981	8975	8542	8553	8332	7943	7921	7567
	% Eff.	44%	42%	45%	43%	44%	42%	46%	43%	66%	65%	57%	55%	56%	56%	53%	53%	49%	47%	47%	45%
	Ave	773	738	794	759	1558	1481	1598	1522	5672	5650	4921	4761	4805	4830	4550	4617	4218	4078	4026	3898
	Min	294	280	301	287	598	565	613	581	2225	2239	1918	1852	1984	2004	1976	1914	1715	1665	1635	1592
	Ave	907	866	932	891	1823	1735	1869	1783	6629	6593	5759	5572	5567	5590	5259	5344	4906	4739	4683	4530
	Min	452	431	464	444	932	880	958	905	3459	3482	2979	2893	3073	3105	3014	2958	2622	2549	2499	2431
	Ave	1073	1025	1101	1054	2152	2051	2204	2106	7814	7738	6832	6599	6443	6460	6071	6179	5714	5510	5457	5270
	Min	698	667	720	688	1406	1336	1443	1373	5108	5157	4295	4211	4538	4582	4380	4372	3933	3814	3759	3644
	LEED 2.2	1279	1231	1329	1284	2613	2529	2704	2624	8058	8128	6181	6308	7345	7298	7077	7038	6425	6226	6193	6008
	LEED 2009	918	880	975	933	1844	1766	1945	1867	5098	5368	3572	3666	5915	5976	5659	5710	4761	4736	4556	4528
Russia - St. Petersburg	Max	1612	1542	1637	1569	3229	3081	3277	3136	11642	11180	10824	10192	8647	8602	8275	8252	7949	7579	7603	7269
	% Eff.	45%	43%	46%	44%	45%	43%	47%	44%	65%	65%	55%	54%	56%	57%	54%	54%	49%	48%	47%	45%
	Ave	734	702	754	722	1493	1419	1534	1461	5270	5259	4499	4375	4576	4599	4345	4402	3985	3859	3808	3693
	Min	225	215	229	219	464	437	474	448	1741	1742	1521	1472	1521	1540	1514	1477	1325	1281	1262	1223
	Ave	881	842	906	868	1787	1700	1835	1751	6282	6266	5355	5213	5432	5453	5146	5222	4743	4591	4533	4394
	Min	376	358	386	368	792	741	812	765	2842	2852	2463	2382	2575	2609	2530	2497	2185	2133	2085	2037
	Ave	1071	1024	1102	1055	2162	2062	2220	2122	7598	7554	6493	6323	6463	6479	6101	6205	5683	5492	5434	5259
	Min	656	626	679	647	1362	1283	1407	1329	4642	4727	3837	3764	4377	4425	4263	4232	3690	3614	3523	3446
	LEED 2.2	1154	1110	1212	1167	2335	2258	2435	2361	6947	7143	5112	5267	6898	6889	6631	6621	5872	5743	5647	5525
	LEED 2009	815	780	867	828	1653	1570	1747	1665	4400	4653	3052	3109	5428	5511	5188	5261	4263	4266	4074	4073
Slovakia - Bratislava	Max	1982	1877	2018	1907	3713	3519	3729	3543	14492	14269	14568	13449	9648	9719	9112	9186	9097	8691	8592	8213
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	65%	65%	57%	55%	54%	54%	51%	51%	48%	46%	45%	44%
	Ave	952	909	978	935	1899	1810	1944	1857	6895	6844	6043	5826	5688	5707	5380	5453	5044	4868	4813	4651
	Min	379	361	390	371	767	724	788	746	2839	2866	2412	2342	2558	2587	2507	2465	2184	2126	2080	2028
	Ave	1109	1059	1138	1088	2208	2105	2257	2158	8021	7936	7070	6807	6507	6521	6140	6232	5806	5594	5541	5346
	Min	596	568	616	588	1197	1136	1232	1173	4256	4342	3576	3487	3922	3960	3829	3780	3357	3271	3202	3121
	Ave	1296	1237	1326	1268	2573	2455	2625	2510	9405	9240	8429	8071	7380	7384	6941	7059	6656	6392	6352	6111
	Min	894	854	925	885	1792	1706	1845	1768	6274	6349	5263	5168	5626	5643	5445	5407	4884	4740	4666	4536
	LEED 2.2	1509	1451	1541	1488	3094	2976	3159	3049	10233	9954	8621	8490	8105	8019	7807	7744	7375	7047	7102	6806
	LEED 2009	1096	1053	1155	1110	2208	2132	2309	2236	6460	6690	4682	4829	6671	6681	6404	6410	5602	5504	5382	5286
Spain - Madrid	Max	2091	1984	2125	2012	3966	3794	4027	3882	15210	15185	15331	14278	11030	11201	10543	10692	9747	9314	9281	8867
	% Eff.	45%	43%	47%	45%	47%	44%	48%	45%	64%	63%	56%	54%	55%	55%	52%	53%	47%	46%	45%	44%
	Ave	1263	1207	1297	1240	2579	2438	2641	2504	8714	8675	7635	7348	7479	7533	7072	7215	6485	6285	6194	6013
	Min	620	598	626	603	1402	1317	1436	1345	4380	4367	3625	3539	4230	4274	4162	4125	3568	3463	3415	3325
	Ave	1432	1367	1472	1406	2881	2729	2949	2803	9878	9812	8771	8414	8281	8336	7803	7976	7238	7006	6905	6695
	Min	897	857	923	885	1941	1816	1991	1880	6017	6108	4830	4754	5931	5977	5757	5728	4926	4820	4715	4623
	Ave	1621	1547	1665	1589	3216	3059	3287	3135	11319	11180	10311	9821	9096	9144	8545	8739	8037	7762	7666	7413
	Min	1216	1161	1250	1195	2504	2344	2570	2421	8203	8233	6754	6649	7501	7567	7217	7246	6343	6208	6048	5951
	LEED 2.2	1718	1644	1742	1670	3428	3271	3472	3324	12149	11583	11106	10535	8799	8733	8422	8382	8170	7768	7815	7453
	LEED 2009	1234	1187	1287	1242	2513	2431	2607	2530	7651	7771	5782	5923	7186	7153	6919	6890	6227	6054	5998	5836



## Solatube International Photometry 2.0

Model Tube Diameter Ceiling Type Tube Length Dome Assembly Diffuser Type		160 DS Daylighting System 10 in/250 mm (dia.)				290 DS Daylighting System 14 in/350 mm (dia.)				330 DS Daylighting System 21 in/530 mm (dia.)				750 DS Daylighting System 21 in/530 mm (dia.)							
		Any Ceiling Configuration				Any Ceiling Configuration				Open Ceiling		Susp/Closed		Open Ceiling				Suspended/Closed Ceiling			
		6' (1829 mm)				6' (1829 mm)				3' (914 mm)		10' (3048 mm)		3' (914 mm)				10' (3048 mm)			
		Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView
Sweden - Stockholm	Max	1654	1576	1677	1599	3225	3065	3258	3106	11932	11393	11303	10557	8498	8481	8102	8097	7872	7502	7498	7161
	% Eff.	44%	43%	46%	44%	45%	43%	46%	44%	65%	65%	55%	54%	56%	56%	53%	53%	49%	47%	47%	45%
	Ave	747	714	769	736	1507	1437	1548	1479	5370	5358	4586	4465	4601	4618	4366	4418	4035	3903	3856	3735
	Min	245	234	251	239	504	474	517	488	1837	1848	1588	1534	1671	1694	1655	1618	1421	1387	1356	1325
	Ave	889	850	915	876	1791	1709	1839	1759	6361	6337	5431	5291	5406	5421	5119	5188	4760	4600	4550	4404
	Min	409	389	421	402	828	784	852	807	3030	3091	2573	2497	2762	2789	2716	2657	2363	2297	2249	2191
	Ave	1063	1018	1093	1048	2141	2047	2195	2104	7592	7525	6523	6349	6315	6317	5960	6052	5606	5405	5364	5179
	Min	685	653	710	678	1370	1308	1415	1353	4896	4965	4096	4006	4434	4469	4305	4265	3831	3732	3656	3561
	LEED 2.2	1170	1126	1227	1182	2371	2293	2469	2395	7086	7269	5240	5394	6958	6944	6691	6677	5945	5808	5720	5589
LEED 2009	829	793	881	841	1677	1595	1773	1690	4487	4744	3115	3177	5494	5574	5251	5321	4328	4328	4136	4133	
Switzerland - Geneva	Max	2015	1909	2052	1940	3781	3584	3799	3609	14771	14552	14802	13679	10034	10109	9492	9570	9326	8930	8822	8454
	% Eff.	44%	42%	46%	44%	45%	42%	46%	44%	65%	64%	57%	55%	54%	55%	52%	52%	48%	46%	46%	44%
	Ave	945	902	969	927	1896	1802	1942	1850	6787	6744	5941	5726	5679	5706	5371	5454	5000	4832	4772	4618
	Min	359	342	368	351	733	694	752	711	2743	2756	2351	2276	2421	2446	2369	2338	2087	2027	1987	1933
	Ave	1107	1057	1137	1087	2216	2108	2268	2164	7909	7845	6950	6692	6546	6572	6179	6282	5787	5587	5522	5340
	Min	557	531	570	544	1149	1082	1179	1113	4166	4193	3529	3425	3732	3769	3635	3601	3215	3121	3061	2985
	Ave	1318	1258	1352	1292	2620	2498	2679	2561	9377	9252	8340	8003	7556	7572	7112	7237	6739	6493	6432	6206
	Min	843	804	871	832	1702	1613	1753	1667	5930	5998	4979	4877	5461	5511	5277	5264	4711	4560	4490	4361
	LEED 2.2	1565	1503	1594	1537	3194	3066	3253	3133	10759	10391	9276	9041	8287	8201	7973	7913	7593	7240	7302	6984
LEED 2009	1135	1091	1193	1148	2294	2217	2394	2320	6788	6994	4972	5124	6823	6821	6556	6552	5783	5665	5560	5447	
Turkey - Istanbul	Max	2087	1977	2126	2011	3930	3727	3937	3744	15311	15509	15503	14448	10279	10383	9740	9847	9524	9137	9025	8665
	% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	66%	65%	59%	56%	53%	53%	50%	51%	47%	45%	45%	43%
	Ave	1073	1023	1100	1050	2127	2025	2172	2073	7874	7820	7026	6744	6332	6358	5975	6068	5655	5450	5390	5201
	Min	490	466	503	479	985	931	1011	961	3638	3663	3108	3019	3254	3281	3181	3127	2819	2737	2686	2612
	Ave	1231	1174	1261	1203	2435	2320	2484	2372	9016	8929	8111	7767	7128	7150	6709	6824	6402	6161	6102	5881
	Min	723	689	744	711	1449	1379	1490	1421	5302	5346	4446	4344	4685	4724	4587	4506	4089	3970	3901	3791
	Ave	1416	1350	1447	1381	2790	2657	2837	2710	10412	10254	9546	9083	7947	7965	7458	7600	7213	6922	6872	6605
	Min	1004	958	1036	989	2010	1920	2068	1975	7218	7208	6207	6058	6275	6290	6059	6024	5440	5290	5202	5060
	LEED 2.2	1704	1631	1728	1657	3409	3255	3454	3308	12026	11475	10940	10402	8752	8683	8381	8339	8119	7719	7770	7411
LEED 2009	1225	1179	1279	1234	2494	2413	2588	2512	7575	7704	5708	5852	7156	7126	6889	6862	6190	6022	5961	5803	
United Arab Emirates - Dubai	Max	2298	2179	2331	2215	4527	4292	4517	4294	16945	17922	17059	16495	11084	11204	10530	10658	10253	9827	9727	9347
	% Eff.	45%	43%	46%	44%	45%	42%	45%	43%	64%	64%	59%	57%	49%	49%	46%	47%	44%	42%	42%	40%
	Ave	1640	1564	1677	1601	3246	3091	3298	3150	11564	11504	10637	10193	8740	8765	8203	8373	7933	7618	7563	7275
	Min	1045	999	1082	1037	2150	2033	2228	2118	6920	7011	5448	5434	6498	6593	6287	6307	5588	5416	5339	5190
	Ave	1784	1700	1820	1736	3508	3342	3554	3395	12720	12636	11975	11405	9235	9257	8656	8836	8486	8129	8083	7757
	Min	1391	1332	1433	1375	2796	2668	2859	2730	9334	9298	7658	7566	7892	7896	7577	7570	7070	6801	6744	6505
	Ave	1924	1829	1956	1862	3755	3570	3786	3610	13940	13899	13569	12815	9647	9690	9014	9229	8970	8574	8527	8165
	Min	1604	1531	1639	1571	3208	3082	3286	3160	11319	10959	10281	9747	8842	8803	8503	8459	7895	7611	7569	7310
	LEED 2.2	2098	1988	2136	2019	3928	3723	3945	3748	15304	15012	15392	14186	10166	10235	9601	9672	9594	9161	9061	8658
LEED 2009	1443	1389	1481	1431	2965	2858	3038	2938	9610	9437	7884	7851	7891	7812	7607	7547	7113	6819	6855	6588	



# Solatube International Photometry 2.0

Annual hours that specific lumen thresholds are met or exceeded

Lumens	160 DS Daylighting System 10 in/250 mm (dia.) Any Ceiling Configuration 6' (1829 mm)				290 DS Daylighting System 14 in/350 mm (dia.) Any Ceiling Configuration 6' (1829 mm)				Lumens	330 DS Daylighting System 21 in/530 mm (dia.)				750 DS Daylighting System 21 in/530 mm (dia.)								
	Open Ceiling 3' (914 mm)		Susp/Closed 10' (3048 mm)		Open Ceiling 3' (914 mm)					Suspended/Closed Ceiling 10' (3048 mm)												
	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView		Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	
	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView		Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	
Sweden - Stockholm	4000	0	0	0	0	0	0	0	0	16500	0	0	0	0	0	0	0	0	0	0	0	0
	3600	0	0	0	0	0	0	0	0	15000	0	0	0	0	0	0	0	0	0	0	0	0
	3200	0	0	0	0	3	0	15	0	13500	0	0	0	0	0	0	0	0	0	0	0	0
	2800	0	0	0	0	162	91	181	123	12000	0	0	0	0	0	0	0	0	0	0	0	0
	2400	0	0	0	0	393	314	430	355	10500	94	50	24	1	0	0	0	0	0	0	0	0
	2000	0	0	0	0	662	591	711	644	9000	292	271	147	97	0	0	0	0	0	0	0	0
	1600	15	0	18	0	1006	938	1050	981	7500	553	548	335	301	216	204	112	111	42	1	0	0
	1200	370	292	408	348	1386	1316	1428	1359	6000	920	943	647	617	689	696	605	609	450	368	362	296
	800	1003	927	1051	984	1852	1778	1898	1810	4500	1331	1350	1043	1031	1181	1188	1127	1132	978	913	883	846
400	1832	1766	1876	1806	2661	2595	2686	2621	3000	1815	1829	1591	1555	1703	1718	1649	1663	1513	1493	1459	1437	
Switzerland - Geneva	4000	0	0	0	0	0	0	0	0	16500	0	0	0	0	0	0	0	0	0	0	0	0
	3600	0	0	0	0	43	0	55	3	15000	0	0	0	0	0	0	0	0	0	0	0	0
	3200	0	0	0	0	251	156	287	195	13500	66	48	52	1	0	0	0	0	0	0	0	0
	2800	0	0	0	0	477	401	526	447	12000	215	160	141	79	0	0	0	0	0	0	0	0
	2400	0	0	0	0	723	655	754	695	10500	392	356	270	212	0	0	0	0	0	0	0	0
	2000	1	0	7	0	970	905	1003	944	9000	608	601	440	388	158	152	33	40	22	0	0	0
	1600	266	194	299	219	1286	1215	1327	1253	7500	851	855	632	606	635	645	544	545	393	300	285	173
	1200	720	657	756	701	1737	1656	1783	1699	6000	1188	1198	936	914	1024	1032	929	946	791	744	730	685
	800	1266	1208	1307	1247	2294	2236	2327	2258	4500	1652	1674	1366	1337	1504	1525	1411	1436	1256	1221	1196	1154
400	2264	2212	2300	2239	3091	3033	3116	3051	3000	2278	2285	2043	2008	2126	2139	2070	2093	1908	1861	1831	1796	
Turkey - Istanbul	4000	0	0	0	0	0	0	0	0	16500	0	0	0	0	0	0	0	0	0	0	0	0
	3600	0	0	0	0	86	34	104	38	15000	22	27	35	0	0	0	0	0	0	0	0	0
	3200	0	0	0	0	286	201	305	231	13500	133	109	116	52	0	0	0	0	0	0	0	0
	2800	0	0	0	0	556	453	599	490	12000	293	246	199	160	0	0	0	0	0	0	0	0
	2400	0	0	0	0	857	779	902	820	10500	544	504	409	301	0	0	0	0	0	0	0	0
	2000	42	0	52	1	1212	1116	1275	1180	9000	817	777	613	556	224	238	100	115	75	13	1	0
	1600	327	227	360	266	1640	1555	1699	1604	7500	1145	1140	885	844	741	746	635	639	494	373	361	239
	1200	854	774	899	814	2100	2006	2155	2062	6000	1582	1603	1258	1217	1290	1303	1198	1208	995	914	896	800
	800	1631	1553	1698	1610	2705	2635	2746	2671	4500	2087	2101	1779	1738	1855	1870	1789	1802	1634	1559	1529	1471
400	2695	2630	2735	2670	3398	3370	3408	3382	3000	2724	2738	2469	2417	2521	2535	2445	2465	2304	2263	2226	2191	
United Arab Emirates - Dubai	4000	0	0	0	0	245	164	253	165	16500	16	198	28	0	0	0	0	0	0	0	0	0
	3600	0	0	0	0	794	478	849	553	15000	377	337	372	218	0	0	0	0	0	0	0	0
	3200	0	0	0	0	1211	1062	1360	1140	13500	697	637	644	483	0	0	0	0	0	0	0	0
	2800	0	0	0	0	1796	1632	1876	1703	12000	1028	946	846	710	0	0	0	0	0	0	0	0
	2400	0	0	0	0	2136	2057	2171	2097	10500	1416	1335	1154	1042	48	68	1	2	0	0	0	0
	2000	449	247	490	329	2576	2451	2648	2528	9000	1889	1891	1414	1368	1108	1093	746	802	545	296	243	48
	1600	1212	1071	1326	1140	2864	2823	2886	2845	7500	2237	2265	1830	1821	1993	2003	1810	1844	1547	1276	1248	1082
	1200	2106	2048	2130	2089	3102	3048	3122	3086	6000	2674	2703	2271	2254	2576	2582	2455	2498	2171	2109	2099	2032
	800	2825	2788	2847	2815	3559	3493	3576	3523	4500	2996	3003	2744	2733	2953	2954	2875	2924	2811	2780	2756	2723
400	3448	3416	3458	3432	3758	3747	3765	3751	3000	3407	3411	3173	3150	3374	3396	3265	3342	3141	3119	3105	3088	

## Solatube International Photometry 2.0

Model Tube Diameter Ceiling Type Tube Length Dome Assembly Diffuser Type		160 DS Daylighting System 10 in/250 mm (dia.) Any Ceiling Configuration 6' (1829 mm)				290 DS Daylighting System 14 in/350 mm (dia.) Any Ceiling Configuration 6' (1829 mm)				330 DS Daylighting System 21 in/530 mm (dia.) Open Ceiling 3' (914 mm)      Susp/Closed 10' (3048 mm)				750 DS Daylighting System 21 in/530 mm (dia.) Open Ceiling 3' (914 mm)      Suspended/Closed Ceiling 10' (3048 mm)										
		Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView			
		UK - London	2400	Max	1907	1809	1938	1835	3607	3419	3631	3450	13860	13440	13774	12686	9869	9904	9382	9431	8977	8605	8533	8193
			% Eff.	44%	42%	45%	43%	44%	42%	45%	43%	65%	65%	57%	55%	55%	55%	52%	53%	48%	47%	46%	45%	
Ave	795		759	816	780	1592	1515	1632	1556	5810	5783	5066	4892	4874	4898	4613	4679	4295	4150	4097	3965			
Min	278		264	284	271	568	533	581	549	2143	2152	1868	1801	1880	1898	1855	1818	1626	1577	1549	1503			
1800	Ave		939	897	965	922	1878	1788	1924	1836	6846	6800	5985	5777	5685	5707	5369	5453	5028	4854	4798	4639		
Min	462		442	480	457	939	890	971	918	3351	3396	2830	2746	3109	3141	3027	2996	2635	2579	2515	2458			
Ave	1120		1069	1148	1098	2233	2129	2283	2182	8157	8060	7203	6933	6605	6619	6222	6327	5896	5678	5627	5428			
Min	695		663	720	687	1399	1326	1448	1378	5228	5271	4436	4322	4574	4629	4422	4418	3943	3830	3756	3655			
LEED 2.2	1410		1358	1450	1402	2899	2797	2975	2881	9293	9175	7511	7527	7783	7707	7505	7447	6979	6703	6729	6478			
LEED 2009	1022	981	1082	1038	2053	1977	2155	2081	5873	6132	4186	4315	6371	6404	6108	6132	5258	5194	5043	4978				
Venezuela - Caracas	2400	Max	2335	2213	2374	2251	4594	4347	4598	4349	17199	18157	17396	16728	11474	11595	10888	11014	10625	10180	10063	9668		
	% Eff.	44%	42%	45%	43%	43%	41%	44%	42%	66%	66%	61%	58%	52%	52%	48%	49%	46%	45%	44%	42%			
	Ave	1456	1386	1489	1418	2876	2731	2925	2784	10916	10896	10024	9578	8453	8506	7905	8105	7610	7323	7240	6977			
	Min	962	917	988	944	1935	1838	1983	1887	7255	7251	6224	6063	6192	6233	5913	5946	5442	5257	5184	5015			
	1800	Ave	1578	1501	1612	1535	3106	2950	3155	3003	11817	11793	10989	10464	8973	9026	8389	8600	8128	7811	7731	7440		
	Min	1202	1146	1234	1176	2398	2277	2453	2330	9298	9257	8140	7887	7529	7578	7187	7221	6698	6449	6373	6151			
	Ave	1717	1634	1753	1669	3370	3202	3417	3254	12776	12760	12055	11451	9481	9534	8856	9082	8641	8296	8217	7901			
	Min	1391	1323	1423	1354	2751	2610	2797	2662	10607	10546	9679	9253	8445	8505	8047	8105	7539	7268	7176	6921			
	LEED 2.2	2328	2207	2359	2242	4614	4371	4601	4370	17136	18230	17261	16774	10697	10836	10155	10308	10293	9819	9766	9335			
LEED 2009	1567	1505	1596	1538	3194	3065	3253	3133	10775	10406	9305	9061	8295	8211	7978	7920	7599	7247	7306	6988				

## Solatube International Photometry 2.0

*Annual hours that specific lumen thresholds are met or exceeded*

		160 DS Daylighting System 10 in/250 mm (dia.) Any Ceiling Configuration 6' (1829 mm)				290 DS Daylighting System 14 in/350 mm (dia.) Any Ceiling Configuration 6' (1829 mm)				330 DS Daylighting System 21 in/530 mm (dia.) Open Ceiling 3' (914 mm)      Susp/Closed 10' (3048 mm)				750 DS Daylighting System 21 in/530 mm (dia.) Open Ceiling 3' (914 mm)      Suspended/Closed Ceiling 10' (3048 mm)									
		Lumens		Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Lumens		Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Open Ceiling 3' (914 mm)				Suspended/Closed Ceiling 10' (3048 mm)					
				Single Prismatic	Single OptiView	Single Prismatic	Single OptiView			Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView						
				Single Vusion	Dual Vusion	Single OptiView	Dual OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView	Single Prismatic	Single OptiView	Dual Prismatic	Dual OptiView		
UK - London	4000			0	0	0	0	0	0	0	0	16500	0	0	0	0	0	0	0	0	0	0	0
	3600	0	0	0	0	1	0	7	0	15000	0	0	0	0	0	0	0	0	0	0	0	0	0
	3200	0	0	0	0	120	67	135	74	13500	13	0	8	0	0	0	0	0	0	0	0	0	0
	2800	0	0	0	0	263	216	294	233	12000	118	77	73	30	0	0	0	0	0	0	0	0	0
	2400	0	0	0	0	448	401	471	430	10500	233	188	145	120	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	630	583	659	614	9000	375	362	264	234	53	56	4	6	0	0	0	0	0
	1600	132	92	143	105	1013	918	1059	965	7500	600	605	414	382	349	345	259	256	186	129	130	68	68
	1200	436	395	471	424	1463	1383	1516	1433	6000	992	999	718	689	717	735	613	628	508	452	441	388	388
	800	1010	920	1061	973	1993	1926	2021	1959	4500	1409	1424	1178	1133	1225	1241	1154	1168	1009	945	920	867	867
400	1968	1917	2001	1950	2824	2765	2843	2789	3000	1950	1960	1709	1683	1850	1862	1780	1799	1613	1589	1563	1536	1536	
Venezuela - Caracas	4000	0	0	0	0	132	49	144	59	16500	23	53	22	5	0	0	0	0	0	0	0	0	0
	3600	0	0	0	0	384	255	410	288	15000	164	157	133	71	0	0	0	0	0	0	0	0	0
	3200	0	0	0	0	704	571	740	632	13500	394	370	307	190	0	0	0	0	0	0	0	0	0
	2800	0	0	0	0	1091	895	1197	953	12000	696	667	537	411	0	0	0	0	0	0	0	0	0
	2400	0	0	0	0	1797	1565	1919	1653	10500	1272	1226	804	696	119	137	22	34	4	0	0	0	0
	2000	189	103	219	128	2281	2184	2367	2226	9000	1910	1898	1416	1302	794	831	587	604	395	236	212	82	82
	1600	712	622	779	665	2728	2672	2743	2697	7500	2285	2298	1981	1933	1829	1854	1511	1562	1228	987	928	765	765
	1200	1815	1579	1958	1703	3107	3028	3156	3057	6000	2660	2664	2446	2415	2475	2483	2296	2365	2119	2064	2026	1909	1909
	800	2712	2659	2728	2687	3379	3332	3392	3349	4500	3069	3073	2828	2798	2873	2886	2746	2807	2693	2657	2638	2592	2592
400	3301	3278	3308	3281	3798	3786	3801	3790	3000	3285	3286	3209	3193	3272	3278	3186	3257	3157	3148	3137	3109	3109	