



### Photometric test report

<b>Family</b> <b>Silica® 21</b>	<b>Order number: 51MX6MTST4W</b> <b>EAN: 4069025006547</b>	<b>LP number</b> <b>59273_163</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	670.6	670.6	670.6	670.6	670.6	670.6	670.6	4.0	4.0
5°	672.0	671.0	666.9	670.2	672.1	669.7	672.1	32.0	36.0
10°	667.2	667.8	663.6	668.3	668.0	663.2	665.0	63.4	99.4
15°	647.8	651.0	649.7	657.6	659.0	654.0	651.1	92.7	192.1
20°	619.2	626.0	627.7	630.1	631.8	628.0	625.0	117.7	309.8
25°	584.6	592.8	592.8	586.4	578.5	572.7	566.1	135.1	444.9
30°	527.7	537.5	532.7	518.6	502.8	496.8	498.3	141.7	586.5
35°	439.9	446.6	438.9	429.3	425.3	427.0	431.4	136.4	722.9
40°	317.9	323.5	324.7	330.5	337.1	337.4	339.0	116.4	839.3
45°	178.7	192.9	207.5	213.7	212.9	199.2	195.5	78.4	917.7
50°	76.9	85.7	98.8	104.0	103.2	87.9	84.3	39.2	956.9
55°	31.7	36.2	43.2	49.1	45.3	36.9	34.6	18.2	975.1
60°	18.6	20.0	23.1	25.7	23.4	20.6	20.0	10.4	985.6
65°	12.3	12.8	13.8	14.2	13.9	13.0	12.7	6.6	992.2
70°	8.3	8.6	8.1	7.9	8.2	8.8	8.7	4.3	996.5
75°	3.4	3.7	4.0	4.2	4.3	4.0	3.7	2.1	998.6
80°	1.6	1.6	1.7	1.7	1.8	1.8	1.8	0.9	999.6
85°	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	18.8	20.1	19.1	20.4	20.7	18.8	20.2	19.2	20.5	20.8
	3H	18.7	19.9	19.1	20.2	20.6	18.8	20.0	19.2	20.3	20.6
	4H	18.7	19.7	19.1	20.1	20.5	18.7	19.8	19.1	20.2	20.5
	6H	18.6	19.6	19.0	20.0	20.4	18.7	19.7	19.1	20.0	20.4
	8H	18.7	19.5	19.1	19.9	20.3	18.7	19.6	19.2	20.0	20.4
	12H	18.6	19.4	19.1	19.8	20.2	18.7	19.5	19.1	19.9	20.3
4H	2H	18.7	19.7	19.1	20.1	20.5	18.7	19.8	19.1	20.2	20.5
	3H	18.6	19.5	19.0	19.9	20.3	18.7	19.6	19.1	20.0	20.4
	4H	18.6	19.3	19.0	19.8	20.2	18.6	19.4	19.1	19.8	20.3
	6H	18.5	19.2	19.0	19.6	20.1	18.6	19.2	19.0	19.7	20.1
	8H	18.5	19.1	18.9	19.5	20.0	18.5	19.1	19.0	19.6	20.1
	12H	18.5	19.0	18.9	19.4	19.9	18.5	19.0	19.0	19.5	20.0
8H	4H	18.5	19.1	18.9	19.5	20.0	18.5	19.1	19.0	19.6	20.1
	6H	18.4	18.9	18.9	19.3	19.8	18.4	18.9	18.9	19.4	19.9
	8H	18.3	18.8	18.8	19.2	19.8	18.4	18.8	18.9	19.3	19.8
	12H	18.3	18.7	18.8	19.2	19.7	18.4	18.7	18.9	19.2	19.8
12H	4H	18.5	18.9	18.9	19.4	19.9	18.5	19.0	19.0	19.5	20.0
	6H	18.4	18.8	18.9	19.2	19.8	18.4	18.8	18.9	19.3	19.8
	8H	18.3	18.6	18.8	19.2	19.7	18.4	18.7	18.9	19.2	19.8

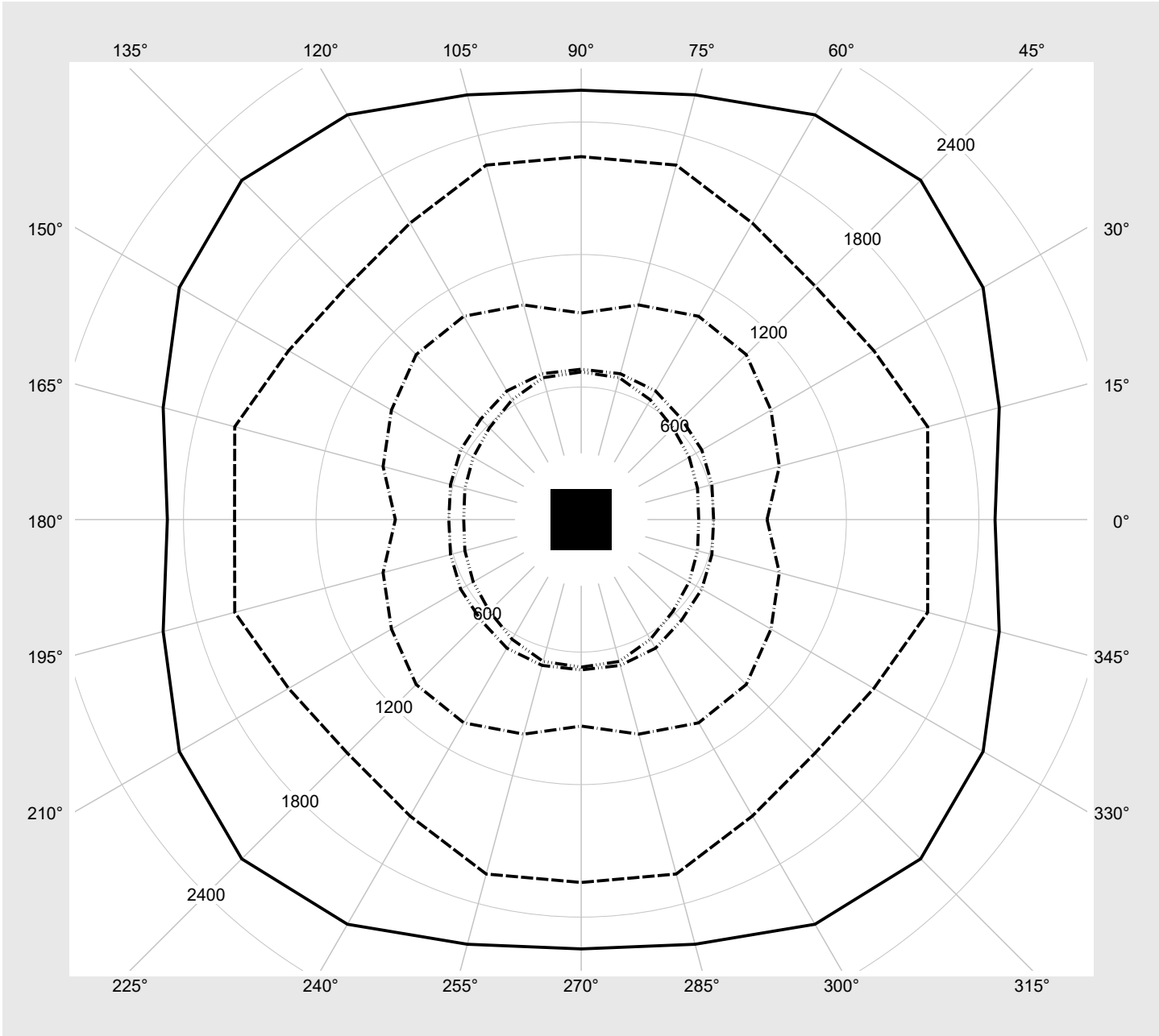
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 294</b> <b>B = 196</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		16312.8	17608.2	18939.7	19511.4	19435.4	18187.9	17848.1	
50°		7726.0	8607.5	9918.7	10447.7	10362.4	8825.7	8469.4	
55°		3567.6	4074.8	4863.0	5527.9	5099.1	4150.2	3893.9	
60°		2405.4	2578.4	2978.8	3314.6	3025.6	2658.2	2586.3	
65°		1873.1	1958.8	2100.5	2172.8	2115.9	1990.8	1944.1	
70°		1568.9	1623.4	1529.3	1496.2	1549.8	1661.6	1643.3	
75°		841.1	928.4	991.7	1056.3	1062.8	1005.9	935.1	
80°		599.3	612.3	630.1	643.2	672.5	683.7	680.7	
85°		531.8	545.2	564.4	587.4	625.9	665.2	668.1	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3720	30.7
95	238	252	3534	28.7
90	223	249	3354	26.9
85	208	247	3166	25.0
80	193	244	2972	23.2
75	179	241	2787	21.6
70	166	238	2610	20.0
65	152	235	2414	18.4
60	139	232	2228	16.8
55	127	229	2052	15.4
50	114	225	1857	14.0
45	102	221	1674	12.6
40	90	216	1488	11.2
35	78	211	1299	9.9
30	66	205	1108	8.7
25	55	198	932	7.4
20	43	189	736	6.2
15	32	178	555	5.0
10	21	163	374	3.8
5	10	136	192	2.7
3	4	102	93	1.9