



## Photometric test report

Family <b>Silica® 21</b>	Order number: <b>51MX32TAT7B</b> EAN: <b>4058352685440</b>	LP number <b>59308_58</b>
Table of values for luminous intensities		Maximum luminous intensity
		<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°	416.8	416.8	416.8	416.8	416.8	416.8	416.8	2.5	2.5
5°	417.1	417.5	416.5	416.2	416.3	416.7	416.1	19.9	22.4
10°	413.6	412.9	413.2	414.2	413.9	410.5	410.8	39.3	61.7
15°	403.1	404.2	404.4	407.9	407.9	405.2	403.1	57.5	119.2
20°	385.9	389.4	389.1	391.3	390.8	389.3	388.1	73.0	192.2
25°	360.3	366.3	366.3	363.6	359.7	355.9	353.0	83.7	276.0
30°	326.7	332.1	328.6	321.6	313.5	309.5	310.2	87.9	363.8
35°	270.7	274.1	269.6	265.1	262.0	263.6	266.8	84.0	447.8
40°	192.8	195.2	197.3	201.1	204.8	204.8	207.1	70.6	518.5
45°	103.1	111.4	121.6	126.0	125.3	116.8	115.4	45.9	564.4
50°	37.9	43.7	52.7	56.6	56.5	46.6	44.0	20.8	585.2
55°	10.5	13.2	18.0	22.2	19.8	14.1	12.7	7.4	592.6
60°	3.5	4.2	6.4	8.4	6.8	5.0	4.9	2.8	595.3
65°	1.3	1.5	2.2	2.9	2.5	2.0	1.9	1.0	596.4
70°	0.8	0.9	0.7	0.6	0.8	1.0	1.0	0.4	596.8
75°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1	596.9
80°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	597.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	597.2
90°	5.7	5.5	5.8	5.6	3.2	1.1	0.4	2.2	599.4
95°	20.6	21.0	22.7	21.8	14.4	7.5	3.9	9.1	608.5
100°	36.2	37.3	38.1	34.2	23.6	13.5	8.9	15.2	623.7
105°	52.0	53.4	53.2	46.8	32.5	20.4	14.9	21.2	644.8
110°	71.2	71.9	68.5	57.9	41.7	27.4	21.2	26.9	671.7
115°	88.3	87.9	82.0	68.2	50.5	34.5	28.1	31.6	703.3
120°	102.8	101.5	93.6	76.8	59.0	41.5	34.8	34.9	738.2
125°	113.9	111.0	101.5	85.1	66.4	48.1	41.9	36.7	774.9
130°	119.1	116.6	105.7	90.2	72.0	54.7	49.0	36.6	811.5
135°	120.1	117.6	107.4	93.4	76.1	60.8	56.0	35.1	846.6
140°	118.1	116.2	107.6	95.4	79.2	66.4	63.3	32.6	879.2
145°	115.5	114.2	107.0	95.9	82.0	71.6	69.2	29.5	908.7
150°	112.1	111.5	104.9	94.9	84.1	76.5	74.6	25.8	934.6
155°	107.8	107.3	101.1	93.7	85.6	80.9	79.4	21.7	956.3
160°	102.1	101.7	97.0	92.3	87.0	84.2	83.8	17.3	973.6
165°	96.8	96.2	93.8	90.6	88.4	86.9	86.8	12.9	986.6
170°	92.8	92.3	91.6	90.3	89.2	88.9	88.9	8.6	995.2
175°	90.3	90.2	89.7	89.5	89.5	89.5	89.5	4.3	999.5
180°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	0.5	1000.0

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UGR-Table	Standard room	<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	15.9	16.8	16.8	17.6	18.7	16.0	16.9	16.9	17.7	18.8
	3H	15.7	16.4	16.5	17.3	18.4	15.8	16.6	16.6	17.4	18.5
	4H	15.5	16.2	16.4	17.1	18.2	15.7	16.4	16.5	17.2	18.3
	6H	15.3	15.9	16.2	16.8	18.0	15.5	16.1	16.4	17.0	18.1
	8H	15.2	15.8	16.2	16.7	17.9	15.3	15.9	16.2	16.8	18.0
	12H	15.1	15.6	16.1	16.6	17.7	15.3	15.8	16.2	16.7	17.9
4H	2H	15.6	16.3	16.5	17.1	18.2	15.6	16.3	16.5	17.2	18.3
	3H	15.3	15.9	16.2	16.8	17.9	15.4	16.0	16.3	16.9	18.0
	4H	15.1	15.7	16.1	16.6	17.7	15.2	15.8	16.2	16.7	17.8
	6H	15.0	15.4	15.9	16.3	17.5	15.1	15.5	16.0	16.5	17.6
	8H	14.9	15.3	15.8	16.2	17.4	15.0	15.4	16.0	16.3	17.5
	12H	14.8	15.1	15.7	16.1	17.3	14.9	15.2	15.9	16.2	17.4
8H	4H	14.9	15.3	15.9	16.2	17.4	15.0	15.4	15.9	16.3	17.5
	6H	14.8	15.1	15.7	16.0	17.3	14.8	15.1	15.8	16.1	17.3
	8H	14.7	15.0	15.6	15.9	17.2	14.8	15.1	15.7	16.0	17.3
	12H	14.6	14.8	15.6	15.8	17.0	14.7	14.9	15.7	15.9	17.1
12H	4H	14.8	15.1	15.8	16.1	17.3	14.9	15.2	15.8	16.2	17.4
	6H	14.6	14.9	15.6	15.9	17.1	14.7	15.0	15.7	16.0	17.2
	8H	14.6	14.8	15.6	15.8	17.0	14.7	14.9	15.7	15.9	17.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1176 B = 49
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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°		15745.3	17012.4	18555.6	19235.2	19121.6	17830.2	17609.6	
50°		6364.4	7345.3	8844.9	9506.8	9495.2	7817.2	7392.0	
55°		1972.2	2492.9	3391.6	4179.3	3719.2	2657.0	2387.4	
60°		764.4	917.3	1371.9	1822.3	1476.6	1088.9	1052.9	
65°		325.9	384.9	556.8	735.3	642.1	500.1	485.3	
70°		256.6	273.3	207.7	204.2	246.8	318.4	326.6	
75°		75.9	100.9	84.2	117.6	109.3	128.5	116.4	
80°		21.1	24.9	35.4	46.0	60.3	70.9	74.0	
85°		475.6	479.3	480.5	460.7	447.1	459.5	466.9	

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

