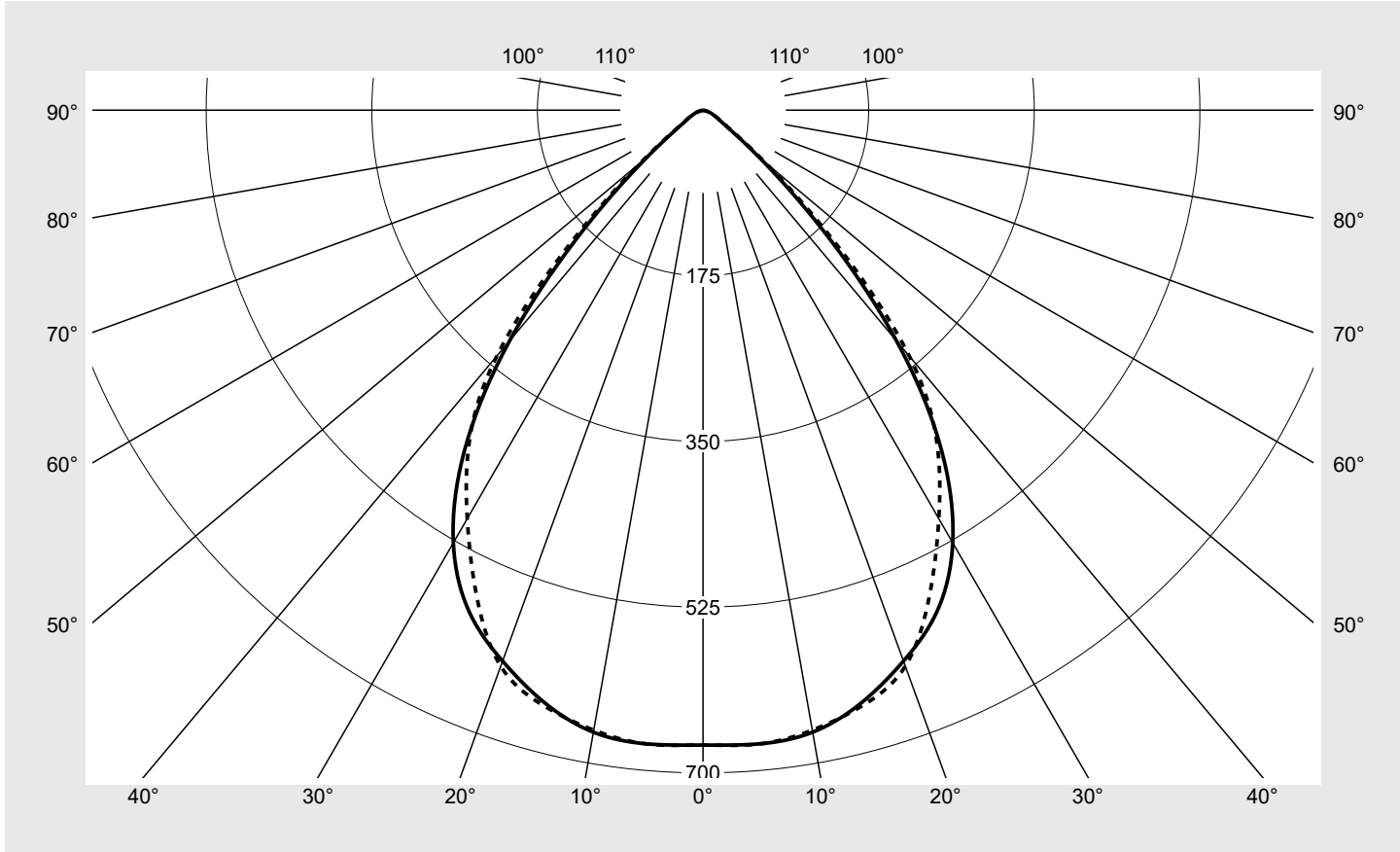


Photometric test report

Family Silica® 21	Order number: 51MX6MTUT4W EAN: 4069025006561	LP number 59273_165
	Version recessed luminaire for lay-in mounting, white, square M625, reflector, white, wide distribution, UGR≤19 (L65≤3000cd/m²), tunable white	serial documentation 08.02.2024
	Lamps LED 2700 K ... 6500 K CRI ≥ 80 Controlgear ECG-DALI Setting factory setting: colour temperature 4000K Rated values at 4000 K Net luminous flux = 3720 lm Power consumption = 32.8 W Luminous efficacy = 113.4 lm/W	



Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 672 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=81 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21	Order number: 51MX6MTUT4W EAN: 4069025006561	LP number 59273_165
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	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

Photometric test report

Family Silica® 21	Order number: 51MX6MTUT4W EAN: 4069025006561	LP number 59273_165
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UGR-Table	Standard room	siteco
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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

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 294 B = 196
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C-planes	γ	Luminance in cd/m ²							
		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	

Photometric test report

Family
Silica® 21

Order number: 51MX6MTUT4W
EAN: 4069025006561

LP number
59273_165

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

