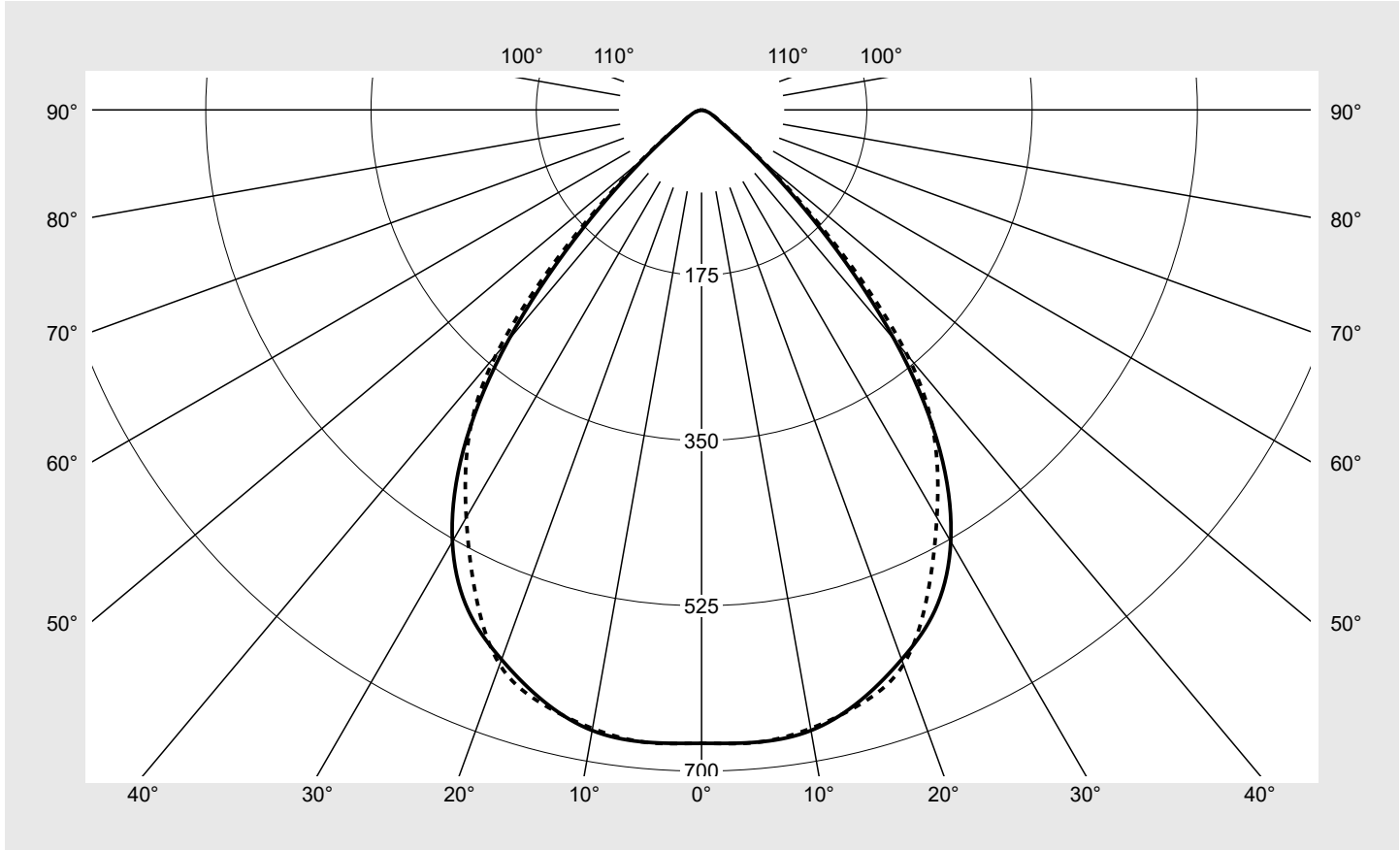


Photometric test report

Family Silica® 21	Order number: 51MX6MTUT4W EAN: 4069025006561	LP number 59273_166
	Version recessed luminaire for lay-in mounting, white, square M625, reflector, white, wide distribution, UGR≤19 (L65≤3000cd/m²), tunable white Lamps LED 2700 K ... 6500 K CRI ≥ 80	serial documentation 08.02.2024
	Controlgear ECG-DALI Setting individual position: colour temperature 6500K Rated values at 6500 K Net luminous flux = 3720 lm Power consumption = 30.7 W Luminous efficacy = 121.2 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_166
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_166
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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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
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

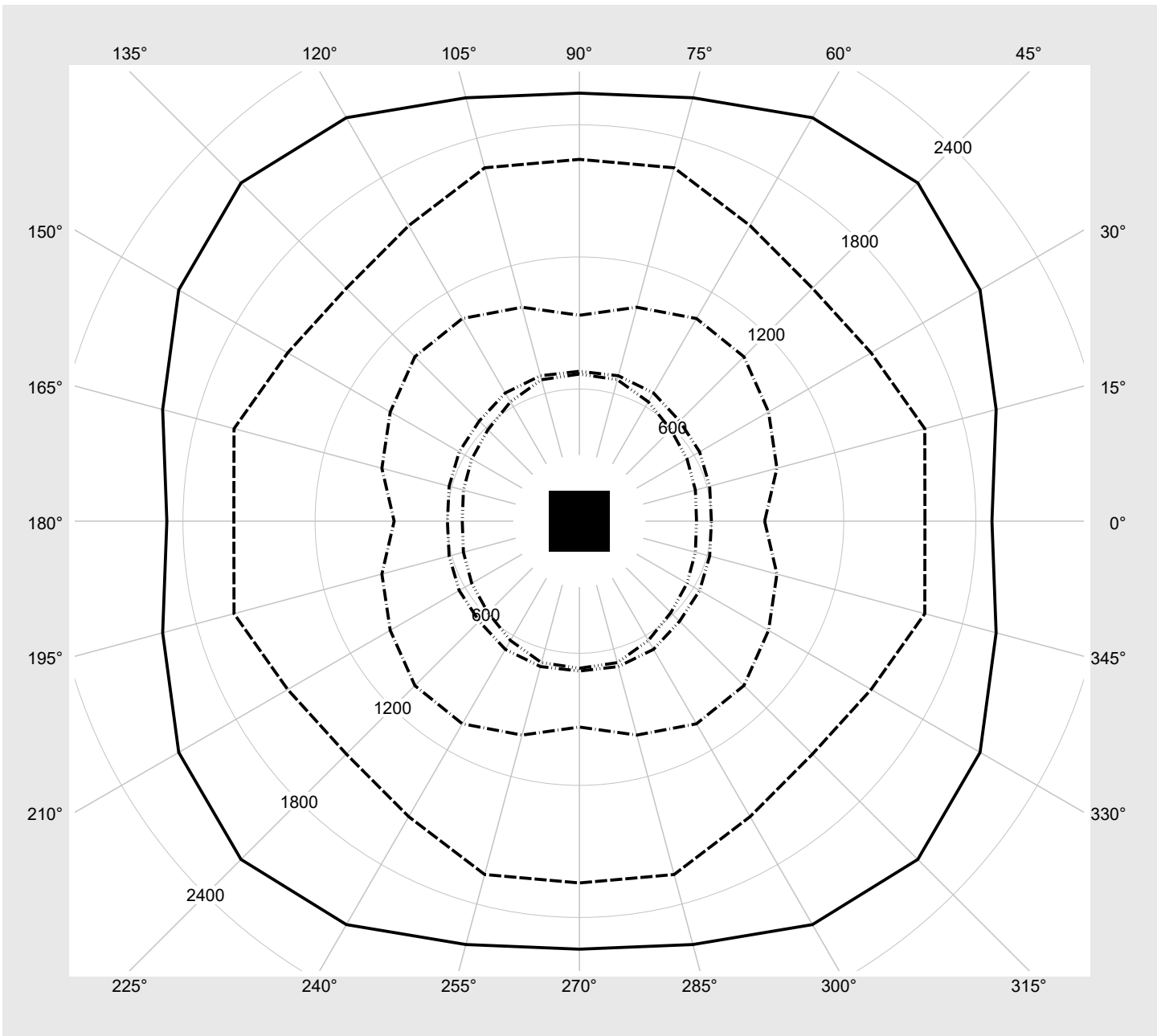
Family
Silica® 21

Order number: 51MX6MTUT4W
EAN: 4069025006561

LP number
59273_166

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Silica® 21	Order number: 51MX6MTUT4W EAN: 4069025006561	LP number 59273_166
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Dimming levels table	environmental temperature: 25°C	sITeco
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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