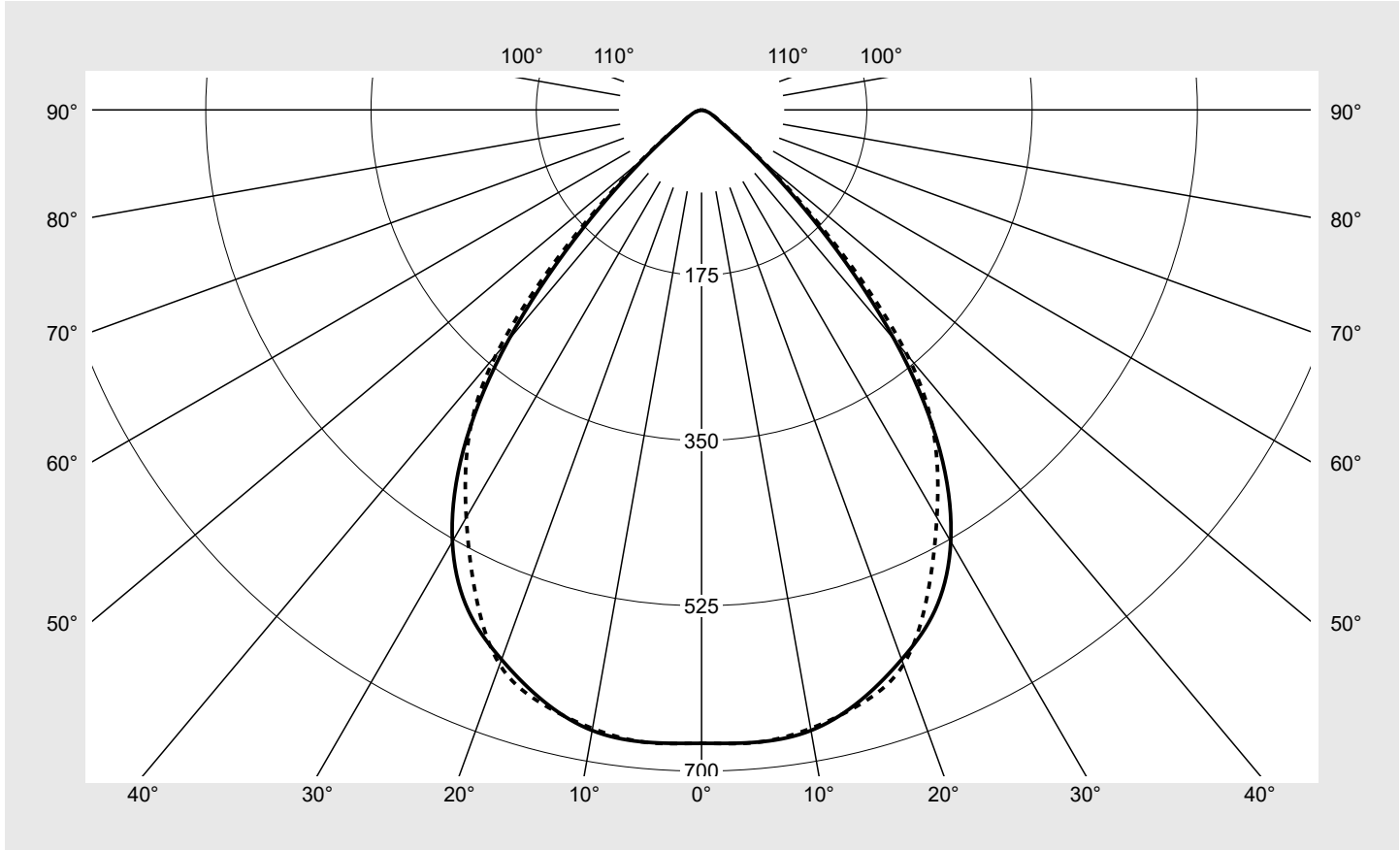


Photometric test report

Family Silica® 21	Order number: 51MX6MTST4W EAN: 4069025006547	LP number 59273_161
	Version recessed luminaire for lay-in mounting, white, square M600, 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 2700K Rated values at 2700 K Net luminous flux = 3720 lm Power consumption = 34.8 W Luminous efficacy = 106.9 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: 51MX6MTST4W EAN: 4069025006547	LP number 59273_161
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: 51MX6MTST4W EAN: 4069025006547	LP number 59273_161
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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

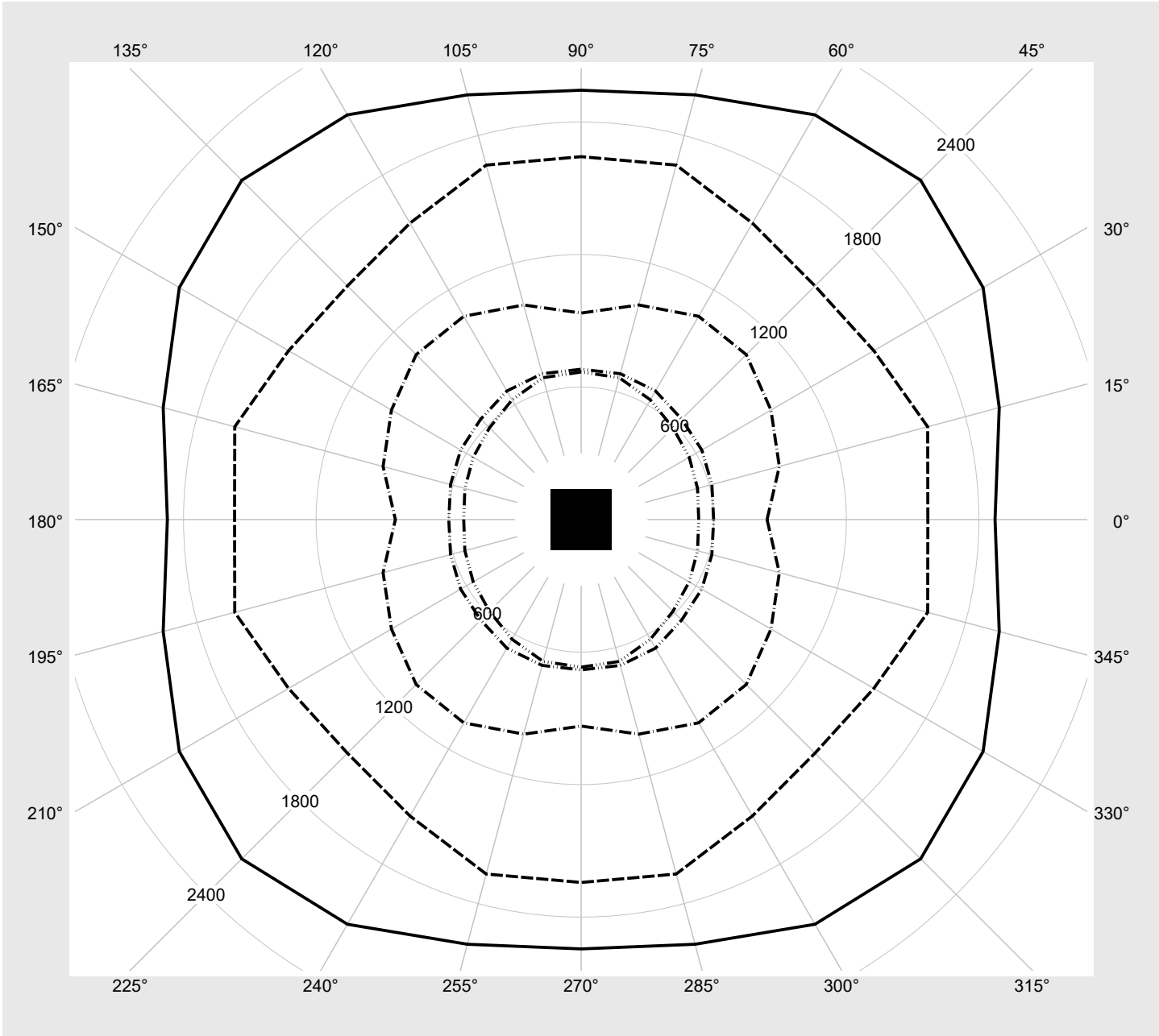
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 294 B = 196
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		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: 51MX6MTST4W EAN: 4069025006547	LP number 59273_161
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Silica® 21	Order number: 51MX6MTST4W EAN: 4069025006547	LP number 59273_161
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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	34.8
95	237	251	3531	32.3
90	221	249	3347	30.1
85	206	246	3166	28.0
80	191	244	2977	25.8
75	177	241	2795	23.9
70	163	238	2606	22.1
65	149	234	2413	20.1
60	136	231	2225	18.4
55	124	228	2050	16.9
50	111	224	1854	15.2
45	99	219	1667	13.6
40	88	215	1494	12.3
35	76	210	1302	10.8
30	65	204	1123	9.5
25	53	197	924	7.9
20	42	188	741	6.6
15	31	177	554	5.3
10	20	161	367	4.1
5	9	132	179	2.7
3	4	102	93	2.0