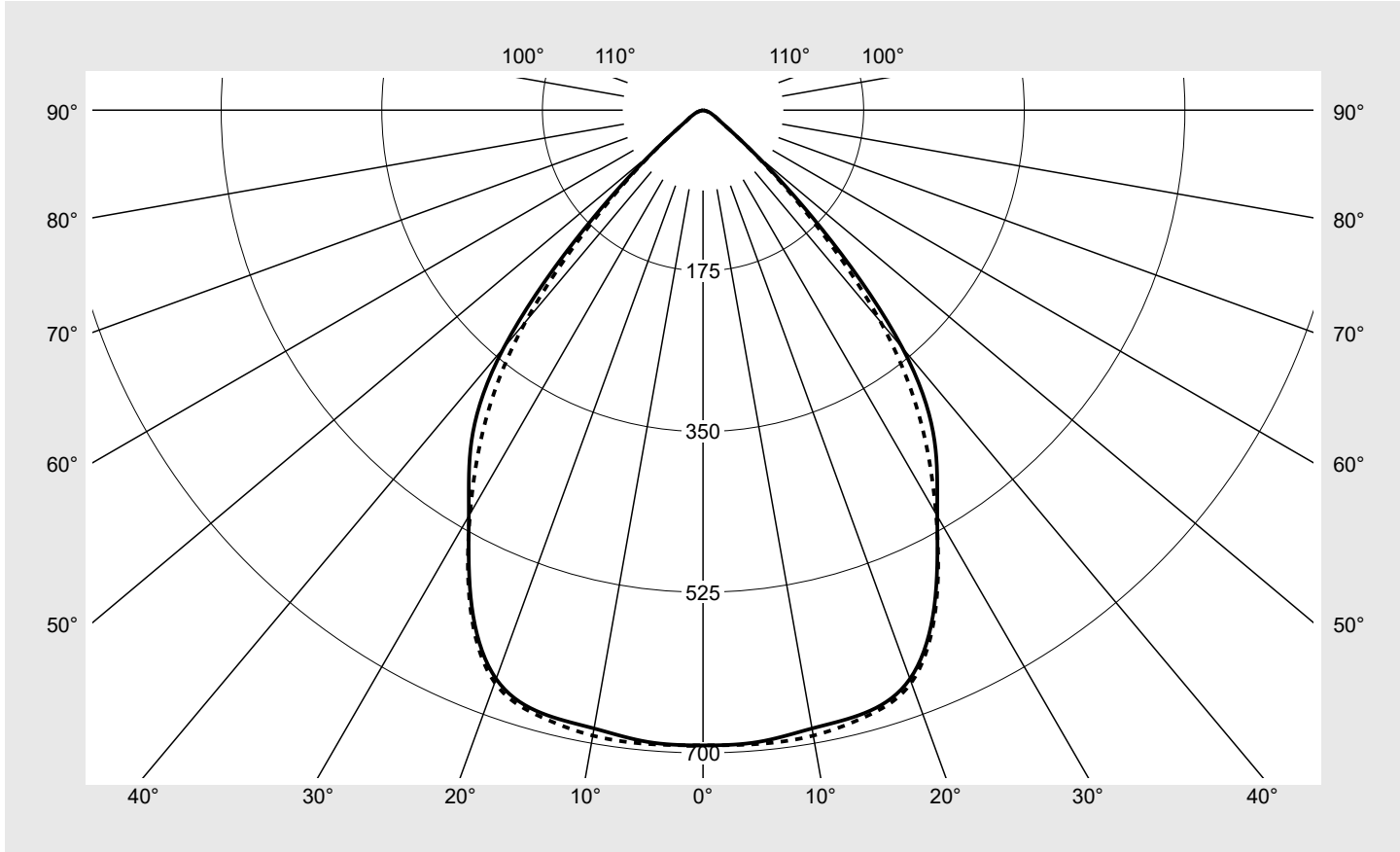


Photometric test report

Family Silica® 21	Order number: 51MX6MDS34W EAN: 4058352987384	LP number 59267_171
	Version recessed luminaire for lay-in mounting, white, square M600, reflector, white, wide distribution, UGR≤19 (L65≤3000cd/m²) Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4600 lm Power consumption = 29.2 W Luminous efficacy = 157.5 lm/W	serial documentation 20.10.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 693 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 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: 51MX6MDS34W EAN: 4058352987384	LP number 59267_171
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°	691.8	691.8	691.8	691.8	691.8	691.8	691.8	4.1	4.1
5°	690.7	689.7	686.1	690.3	692.9	690.5	692.9	33.0	37.1
10°	683.8	683.7	680.0	686.1	689.1	688.2	691.7	65.3	102.4
15°	679.8	682.8	679.6	683.5	685.2	682.6	683.9	96.8	199.2
20°	659.2	666.3	668.8	670.3	667.9	663.4	663.6	124.9	324.1
25°	596.3	606.7	617.7	624.9	617.5	607.1	599.6	141.8	465.9
30°	510.4	519.4	522.0	521.4	520.1	511.7	507.7	141.8	607.7
35°	439.7	447.6	431.3	414.6	422.9	421.6	413.2	134.4	742.1
40°	337.7	347.1	337.5	327.0	327.2	315.0	300.9	115.9	857.9
45°	183.5	191.6	192.8	192.4	185.5	172.4	164.1	71.6	929.5
50°	72.2	76.5	81.6	85.0	79.2	72.7	70.3	32.6	962.2
55°	28.9	31.6	36.0	41.5	36.6	30.9	28.5	15.4	977.5
60°	17.8	18.8	20.5	22.6	20.4	18.4	17.4	9.4	986.9
65°	11.5	12.0	12.6	12.8	12.4	11.7	11.3	6.0	992.9
70°	7.8	8.1	7.5	7.2	7.4	7.8	7.7	3.9	996.9
75°	3.2	3.4	3.7	3.8	3.8	3.6	3.3	1.9	998.8
80°	1.5	1.5	1.5	1.6	1.6	1.6	1.6	0.8	999.6
85°	0.7	0.7	0.7	0.7	0.7	0.8	0.8	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: 51MX6MDS34W EAN: 4058352987384	LP number 59267_171
-----------------------------	---	-------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	19.4	20.7	19.7	21.0	21.3	19.0	20.3	19.4	20.7	21.0
	3H	19.3	20.5	19.7	20.8	21.1	19.0	20.1	19.3	20.5	20.8
	4H	19.3	20.3	19.7	20.7	21.0	18.9	20.0	19.3	20.3	20.7
	6H	19.2	20.2	19.6	20.5	20.9	18.9	19.8	19.3	20.2	20.6
	8H	19.2	20.1	19.7	20.5	20.9	18.9	19.7	19.3	20.1	20.5
	12H	19.2	20.0	19.6	20.4	20.8	18.9	19.7	19.3	20.0	20.5
4H	2H	19.2	20.3	19.6	20.7	21.0	18.9	20.0	19.3	20.3	20.7
	3H	19.2	20.0	19.6	20.4	20.9	18.8	19.7	19.3	20.1	20.5
	4H	19.1	19.9	19.6	20.3	20.7	18.8	19.6	19.2	20.0	20.4
	6H	19.0	19.7	19.5	20.1	20.6	18.7	19.4	19.2	19.8	20.3
	8H	19.0	19.6	19.5	20.0	20.5	18.7	19.3	19.2	19.7	20.2
	12H	19.0	19.5	19.5	20.0	20.5	18.7	19.2	19.2	19.6	20.1
8H	4H	19.0	19.6	19.5	20.0	20.5	18.7	19.3	19.2	19.7	20.2
	6H	18.9	19.4	19.4	19.9	20.4	18.6	19.1	19.1	19.6	20.1
	8H	18.9	19.3	19.4	19.8	20.3	18.6	19.0	19.1	19.5	20.0
	12H	18.9	19.2	19.4	19.7	20.2	18.5	18.9	19.1	19.4	19.9
12H	4H	19.0	19.5	19.5	20.0	20.5	18.7	19.2	19.2	19.6	20.1
	6H	18.9	19.3	19.4	19.8	20.3	18.6	19.0	19.1	19.5	20.0
	8H	18.9	19.2	19.4	19.7	20.2	18.5	18.9	19.1	19.4	19.9

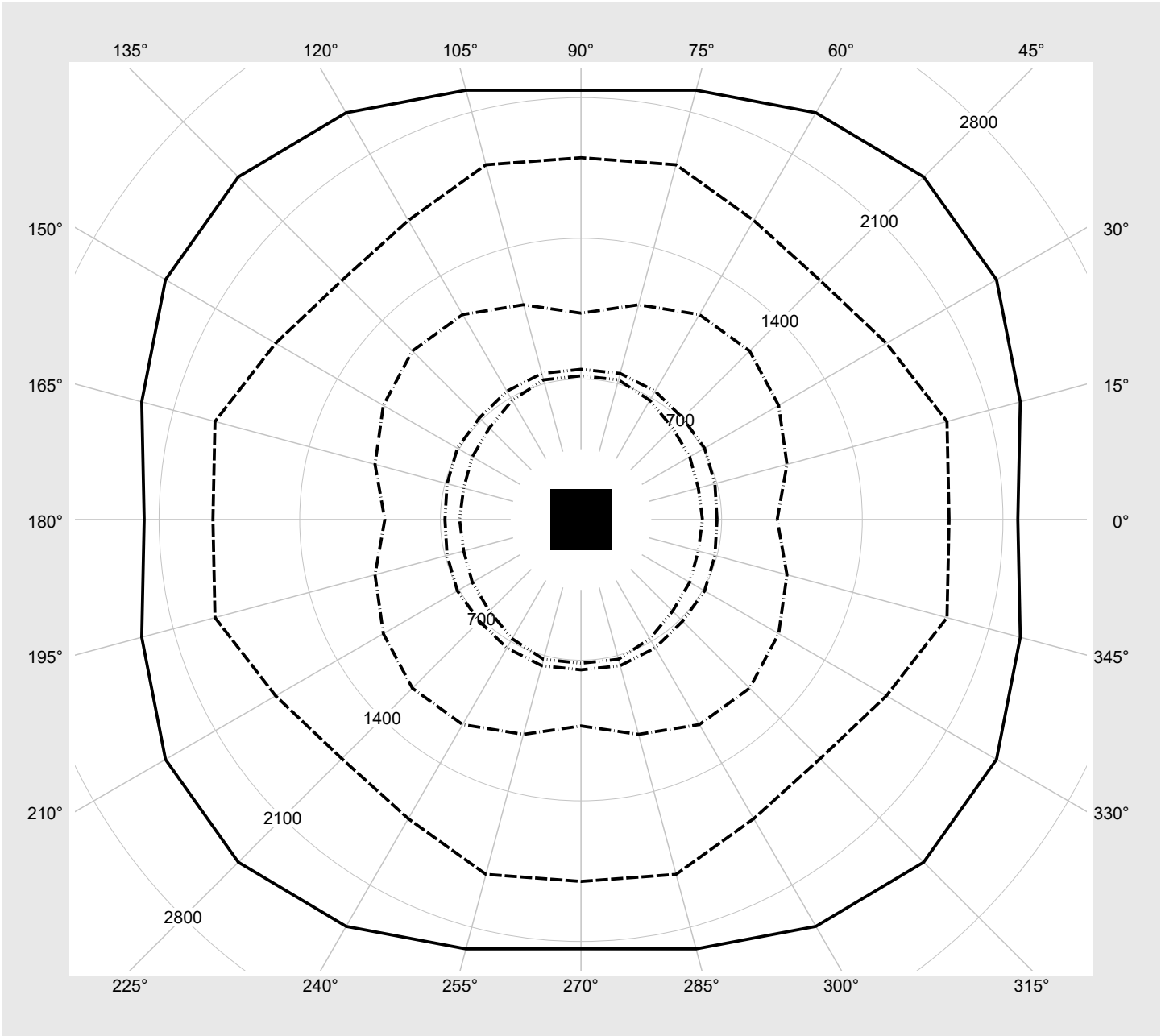
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 294 B = 196
------------------------	---	--------------------------------------	----------------------------------

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°		20713.6	21632.0	21762.3	21725.0	20936.9	19459.5	18524.3	
50°		8967.0	9496.8	10130.9	10561.6	9836.7	9029.9	8736.3	
55°		4028.4	4400.3	5014.6	5776.5	5091.9	4304.7	3962.7	
60°		2838.0	2995.1	3273.4	3602.5	3261.9	2941.7	2783.6	
65°		2174.1	2263.5	2387.9	2411.9	2338.1	2212.5	2136.7	
70°		1832.0	1885.9	1754.9	1683.3	1719.2	1828.2	1801.2	
75°		976.5	1061.3	1136.0	1186.8	1178.2	1107.0	1027.4	
80°		677.2	690.0	710.3	715.3	737.8	753.0	747.9	
85°		604.5	604.5	624.7	644.8	685.1	719.9	715.3	

Photometric test report

Family Silica® 21	Order number: 51MX6MDS34W EAN: 4058352987384	LP number 59267_171
------------------------------------	---	--------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Silica® 21	Order number: 51MX6MDS34W EAN: 4058352987384	LP number 59267_171
-----------------------------	---	-------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4600	29.2
95	240	252	4368	27.7
90	226	250	4134	26.1
85	213	248	3913	24.7
80	200	245	3688	23.2
75	186	243	3447	21.7
70	173	240	3220	20.3
65	160	237	2990	18.9
60	147	234	2759	17.5
55	134	231	2524	16.1
50	122	227	2305	14.8
45	109	223	2068	13.3
40	97	219	1846	11.9
35	84	213	1602	10.5
30	72	208	1377	9.2
25	60	201	1150	8.0
20	48	193	921	6.6
15	36	182	691	5.4
10	24	168	458	4.1
5	12	142	225	2.9
2	5	110	88	2.1