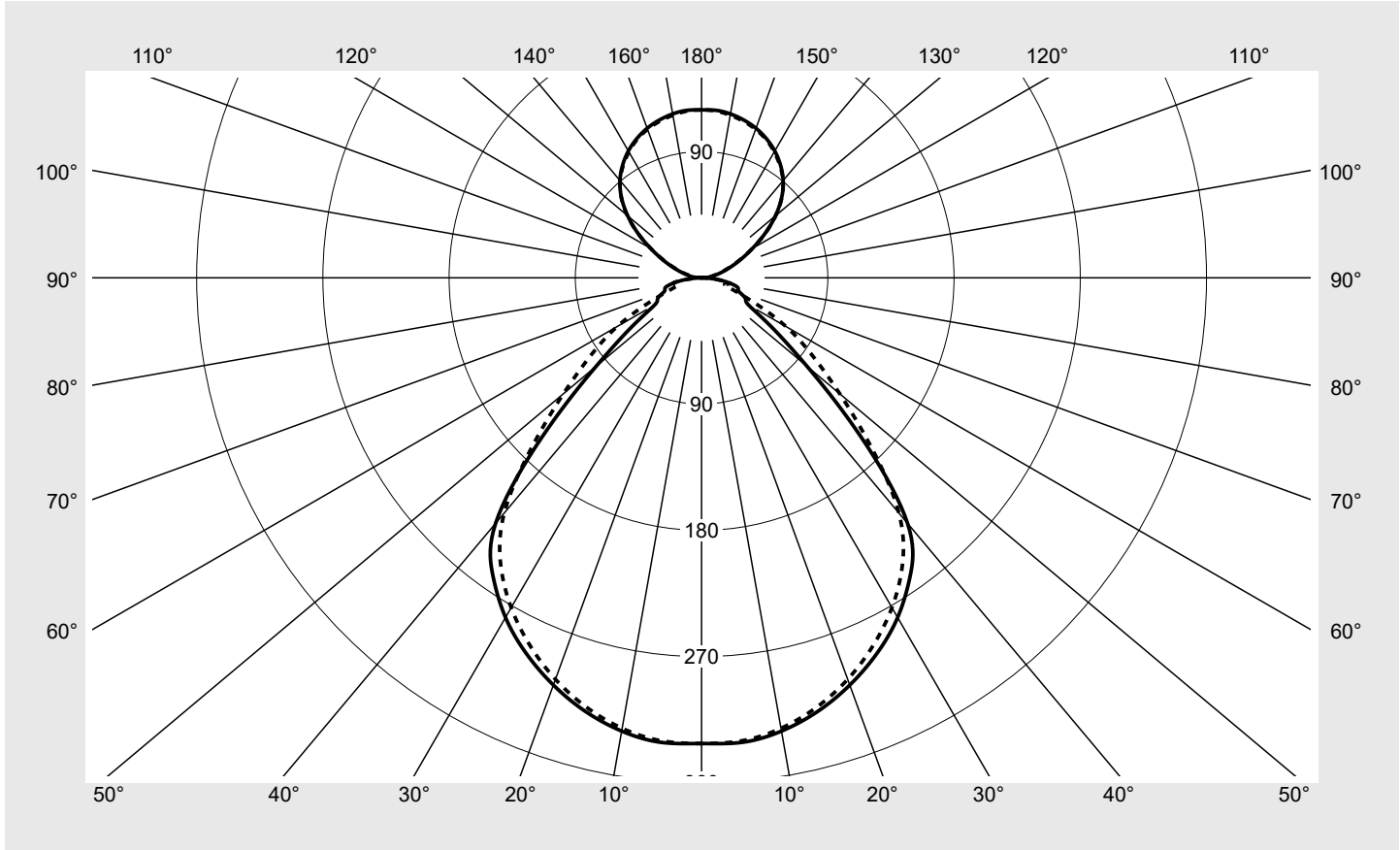


Photometric test report

Family Silica® 21 rectangular	Order number: 51MC33D54LWA EAN: 4069025639813	LP number 59918_27
	Version Suspended luminaire, direct/indirect wide distribution, micro prismatic cover, housing, white, UGR≤16 (L65≤3000cd/m²)	serial documentation 05.12.2025
	Lamps LED 4000 K CRI ≥ 80	Controlgear ECG-DALI
Rated values	Net luminous flux = 6000 lm Power consumption = 33.9 W Luminous efficacy = 177 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 332 cd/klm**



Classifications	
DIN 5040	B 5 3
CIE	N1=64 N2=89 N3=97 N4=68 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	68.3%
ϕ_o	31.7%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 rectangular	Order number: 51MC33D54LWA EAN: 4069025639813	LP number 59918_27
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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	2.0	2.0
5°	332.4	330.7	328.8	330.0	331.5	331.3	331.3	15.8	17.8
10°	328.1	326.3	324.2	325.1	326.4	326.1	326.1	31.0	48.8
15°	320.0	318.3	315.9	316.4	317.4	317.1	316.9	45.0	93.8
20°	308.9	307.1	304.5	304.6	305.3	304.7	304.6	57.3	151.1
25°	295.6	293.5	290.2	290.1	290.7	289.9	289.3	67.4	218.5
30°	279.6	277.1	273.2	273.0	274.0	272.5	271.5	75.2	293.7
35°	259.3	257.0	252.3	252.6	253.2	251.7	249.7	79.7	373.4
40°	228.4	228.5	224.3	224.1	220.4	221.4	218.9	78.8	452.2
45°	161.5	171.9	174.4	171.1	156.1	170.7	171.5	65.3	517.5
50°	98.2	112.6	131.5	112.5	97.5	110.8	128.6	47.5	565.0
55°	60.5	69.1	97.9	68.8	59.9	67.3	96.3	33.0	598.0
60°	38.5	46.7	68.8	47.2	38.4	46.1	69.6	23.8	621.9
65°	34.4	39.9	42.5	40.9	35.3	40.9	40.3	19.6	641.5
70°	28.2	34.4	21.8	35.1	28.4	35.1	21.5	15.4	656.9
75°	26.7	24.0	19.1	24.5	27.1	24.4	17.5	12.5	669.4
80°	19.2	14.5	18.9	14.1	19.4	14.8	20.2	9.1	678.5
85°	8.9	8.4	7.1	8.4	8.9	8.6	7.1	4.5	683.0
90°	0.4	0.5	0.4	0.5	0.3	0.4	0.3	0.2	683.2
95°	5.3	5.3	5.3	5.0	4.4	3.9	3.9	2.6	685.8
100°	9.3	9.2	9.3	9.0	8.5	8.2	8.1	4.8	690.6
105°	14.4	14.4	14.3	14.2	13.9	13.6	13.4	7.4	698.0
110°	21.4	21.3	21.2	21.3	21.0	20.7	20.5	10.9	708.9
115°	30.7	30.4	30.4	30.5	30.3	29.9	29.9	15.1	723.9
120°	41.9	41.8	42.0	41.9	42.0	41.7	41.8	19.9	743.8
125°	55.4	54.8	55.2	55.3	55.6	55.1	55.5	24.8	768.6
130°	68.8	68.2	68.6	68.7	68.8	68.5	69.1	28.8	797.4
135°	80.7	80.3	80.3	80.5	80.6	80.5	80.9	31.2	828.6
140°	90.5	90.1	89.7	89.8	90.2	90.3	90.3	31.7	860.3
145°	98.1	97.8	97.1	97.2	97.8	97.8	97.5	30.7	891.0
150°	104.4	104.1	103.2	103.5	104.4	104.0	103.6	28.5	919.5
155°	109.4	109.0	108.2	108.7	109.3	109.1	108.8	25.2	944.7
160°	113.4	113.0	112.1	112.8	113.3	113.0	112.6	21.2	965.9
165°	116.4	116.0	115.1	115.9	116.4	116.3	115.5	16.5	982.3
170°	118.6	118.2	117.2	118.2	118.7	118.2	117.7	11.2	993.6
175°	119.8	119.4	118.4	119.5	119.9	119.4	119.3	5.7	999.3
180°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	0.7	1000.0

Photometric test report

Family Silica® 21 rectangular	Order number: 51MC33D54LWA EAN: 4069025639813	LP number 59918_27
---	--	------------------------------

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	14.3	15.3	15.0	16.1	17.0	14.1	15.1	14.8	15.9	16.8
	3H	14.8	15.8	15.6	16.6	17.5	14.7	15.6	15.5	16.4	17.4
	4H	15.3	16.2	16.1	17.0	17.9	15.0	15.9	15.8	16.7	17.6
	6H	15.7	16.5	16.5	17.3	18.3	15.4	16.2	16.2	17.0	18.0
	8H	15.9	16.6	16.7	17.4	18.4	15.6	16.3	16.4	17.2	18.2
	12H	16.0	16.7	16.9	17.5	18.6	15.7	16.4	16.6	17.2	18.3
4H	2H	14.4	15.2	15.2	16.0	17.0	14.2	15.1	15.0	15.9	16.9
	3H	15.1	15.9	16.0	16.7	17.7	15.1	15.9	16.0	16.7	17.7
	4H	15.7	16.3	16.5	17.2	18.2	15.6	16.3	16.5	17.1	18.2
	6H	16.2	16.8	17.1	17.7	18.7	16.2	16.8	17.0	17.6	18.7
	8H	16.4	16.9	17.3	17.8	18.9	16.4	16.9	17.3	17.8	18.9
	12H	16.7	17.1	17.5	18.0	19.1	16.6	17.0	17.5	17.9	19.0
8H	4H	15.8	16.3	16.7	17.2	18.3	15.8	16.3	16.7	17.2	18.2
	6H	16.5	16.9	17.4	17.8	18.9	16.5	16.9	17.4	17.8	18.9
	8H	16.9	17.3	17.8	18.1	19.3	16.9	17.3	17.8	18.2	19.3
	12H	17.2	17.5	18.1	18.4	19.5	17.2	17.5	18.1	18.4	19.5
12H	4H	15.9	16.3	16.7	17.2	18.3	15.8	16.3	16.7	17.2	18.3
	6H	16.7	17.0	17.5	17.9	19.0	16.6	17.0	17.5	17.9	19.0
	8H	17.0	17.3	17.9	18.2	19.4	17.0	17.4	18.0	18.3	19.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1484 B = 158
-----------------	---------------------------------	-------------------------------	---------------------

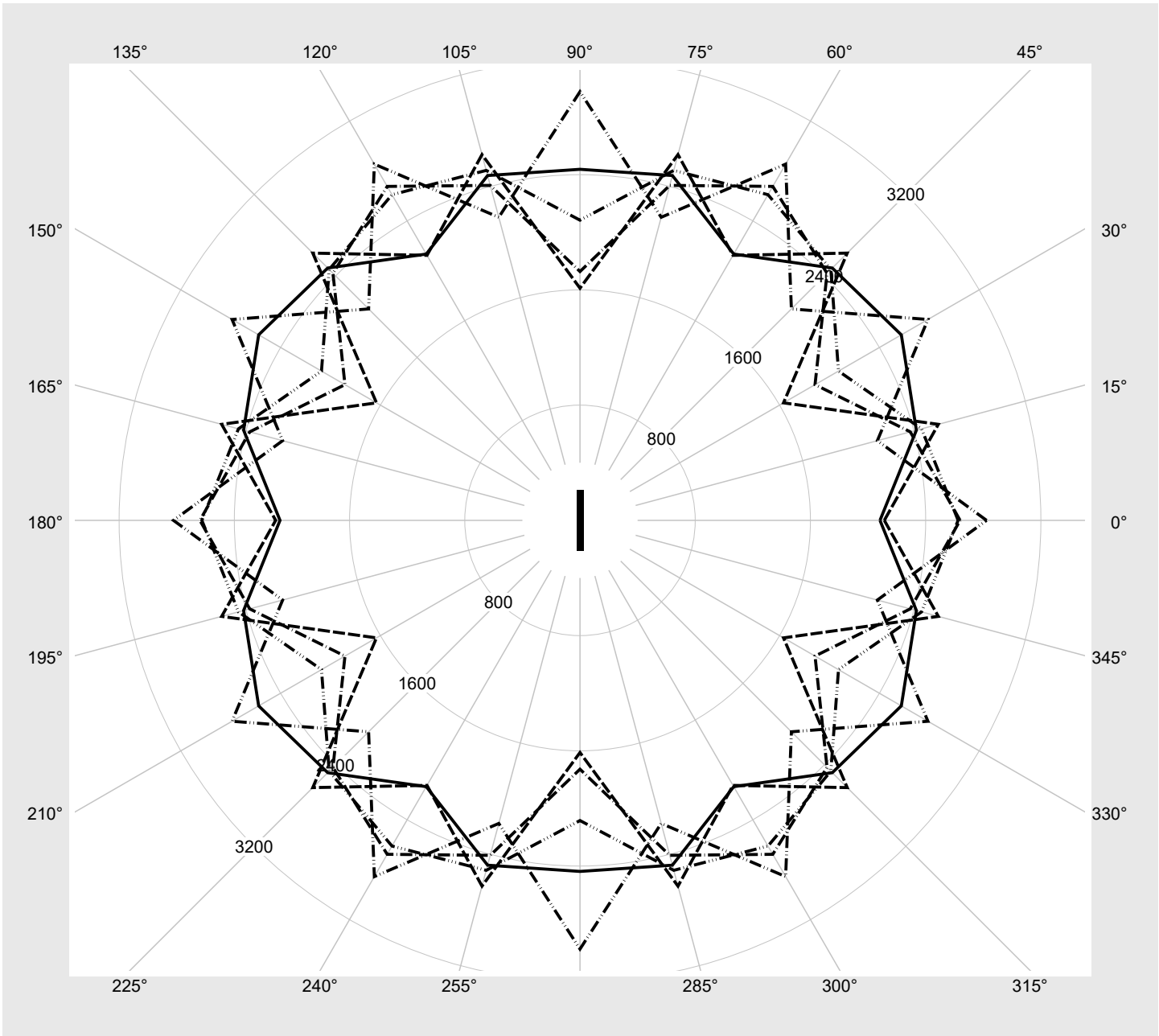
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	5846.0	6222.0	6311.8	6190.5	5649.5	6178.3	6207.4		
50°	3907.7	4483.0	5234.2	4480.3	3881.8	4411.9	5120.8		
55°	2699.2	3083.6	4369.8	3070.1	2674.4	3003.5	4297.3		
60°	1972.6	2389.8	3518.7	2416.1	1966.5	2358.5	3560.2		
65°	2082.9	2417.9	2576.2	2477.4	2134.9	2478.4	2437.2		
70°	2112.9	2575.8	1631.6	2623.9	2124.6	2628.9	1611.8		
75°	2638.9	2374.2	1884.4	2425.9	2677.1	2407.7	1727.7		
80°	2822.9	2137.5	2789.4	2075.8	2855.6	2178.5	2976.2		
85°	2625.4	2455.1	2072.6	2463.1	2610.7	2515.3	2084.0		

Photometric test report

Family Silica® 21 rectangular	Order number: 51MC33D54LWA EAN: 4069025639813	LP number 59918_27
--	--	-------------------------------------

Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



Photometric test report

Family Silica® 21 rectangular	Order number: 51MC33D54LWA EAN: 4069025639813	LP number 59918_27
---	--	-------------------------------------

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	6000	33.9
95	241	252	5704	32.1
90	228	250	5408	30.4
85	215	248	5109	28.7
80	202	246	4808	27.0
75	189	243	4507	25.2
70	176	241	4203	23.5
65	163	238	3899	21.9
60	150	235	3593	20.2
55	138	232	3309	18.7
50	125	228	3000	17.0
45	112	224	2689	15.3
40	100	220	2403	13.7
35	87	215	2091	12.0
30	75	209	1800	10.6
25	63	203	1508	9.0
20	50	194	1190	7.3
15	38	184	895	5.8
10	26	171	599	4.2
5	14	148	301	2.5
2	6	117	102	1.2