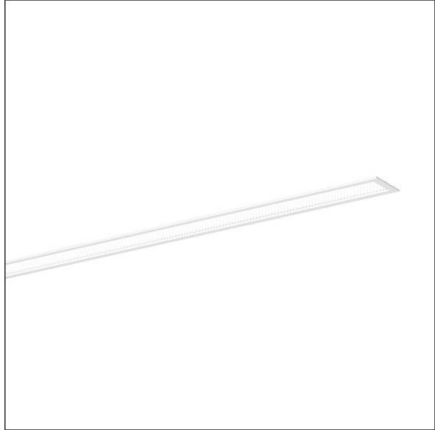
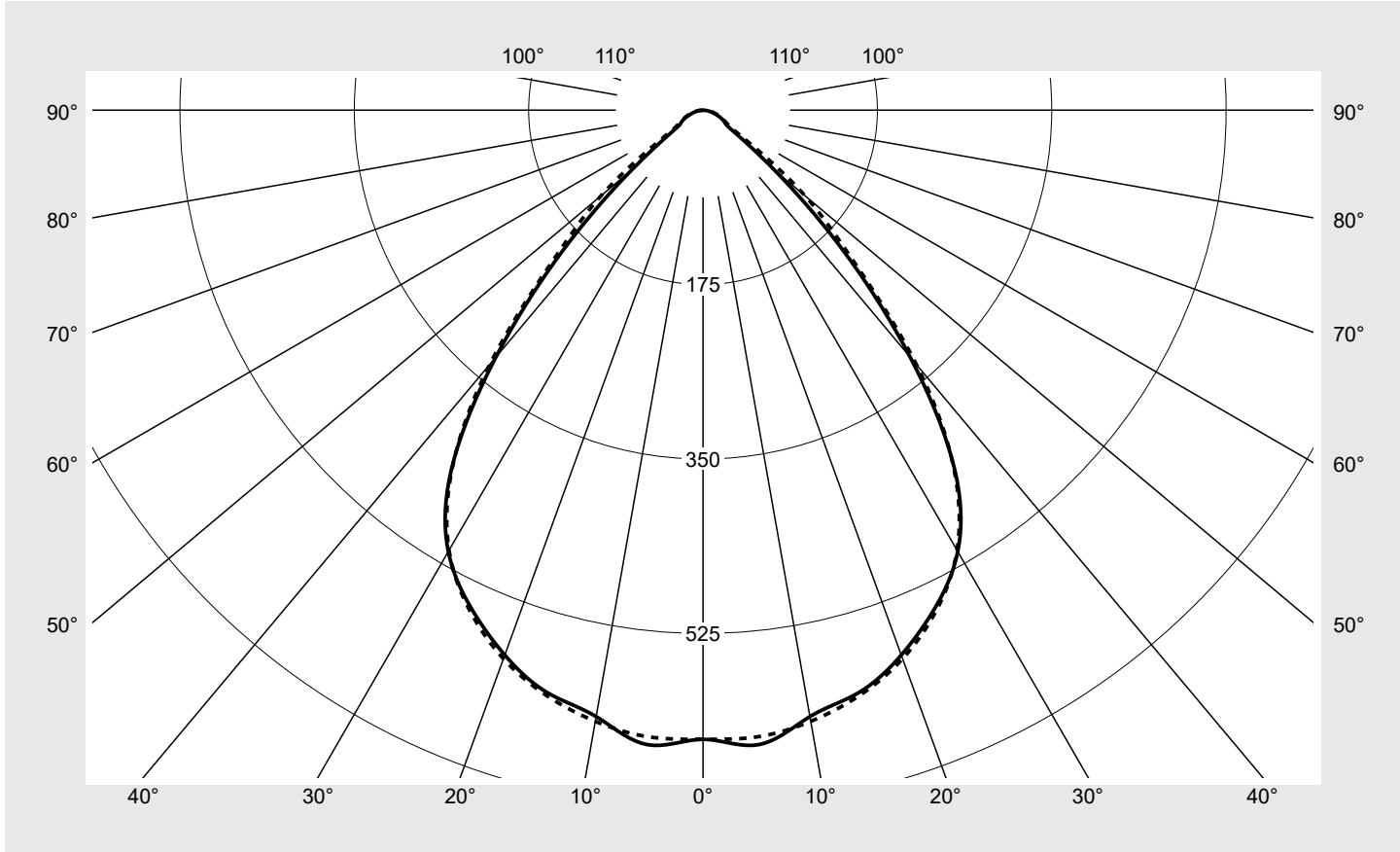


Photometric test report

Family Silica® 21	Order number: 51MX13DL35WB EAN: 4069025000064	LP number 59330_299
	Version recessed luminaire, with homogeneous illumination, prismatic cover, direct distribution, extremely wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 07.02.2024
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG-DALI	
Rated values Net luminous flux = 5740 lm Power consumption = 40.8 W Luminous efficacy = 140.7 lm/W		



Luminous intensity in cd/klm C180-0 C270-90 Imax: 642 cd/klm



Classifications	
DIN 5040	A 6 0
CIE	N1=78 N2=96 N3=99 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: 51MX13DL35WB EAN: 4069025000064	LP number 59330_299
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°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	3.8	3.8
5°	639.0	636.9	635.8	640.8	642.0	634.8	631.1	30.5	34.2
10°	617.8	615.8	612.2	616.7	624.6	629.4	622.7	59.0	93.2
15°	604.8	603.1	597.6	597.0	601.6	607.9	607.8	85.4	178.7
20°	581.7	581.2	575.6	575.6	576.2	579.7	585.7	108.5	287.2
25°	550.9	551.4	546.3	545.8	546.2	547.0	553.9	127.0	414.1
30°	511.3	512.1	506.5	506.8	506.5	506.0	509.9	139.2	553.4
35°	440.5	440.8	437.0	438.8	441.2	438.6	439.0	138.1	691.5
40°	323.4	324.8	326.1	329.4	332.6	332.8	333.0	115.9	807.4
45°	198.4	199.0	200.7	203.5	206.3	209.2	212.1	79.1	886.5
50°	93.9	108.5	122.0	111.2	100.2	119.3	133.6	47.2	933.7
55°	37.7	51.0	48.2	55.0	41.5	57.5	53.4	22.4	956.1
60°	25.5	26.5	28.2	26.2	26.1	27.8	29.0	12.8	968.9
65°	21.0	20.8	21.7	21.1	22.1	22.0	22.3	10.7	979.6
70°	15.2	15.5	16.2	16.1	16.4	16.6	17.4	8.3	987.9
75°	10.6	11.0	12.1	11.5	11.8	12.4	12.4	6.2	994.1
80°	6.4	6.8	7.5	8.1	7.5	8.4	8.5	4.1	998.3
85°	2.4	2.5	2.6	3.2	3.5	4.1	4.3	1.7	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: 51MX13DL35WB EAN: 4069025000064	LP number 59330_299
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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	18.4	19.8	18.8	20.1	20.4	18.6	20.0	19.0	20.3	20.6
	3H	18.5	19.7	18.9	20.0	20.4	18.7	19.9	19.1	20.3	20.6
	4H	18.5	19.7	18.9	20.0	20.4	18.8	19.9	19.2	20.3	20.6
	6H	18.6	19.6	19.0	19.9	20.3	18.9	19.9	19.3	20.2	20.6
	8H	18.6	19.5	19.1	19.9	20.3	19.0	19.9	19.4	20.2	20.6
	12H	18.6	19.5	19.1	19.9	20.3	19.0	19.8	19.4	20.2	20.6
4H	2H	18.4	19.5	18.8	19.8	20.2	18.6	19.7	19.0	20.0	20.4
	3H	18.5	19.4	18.9	19.8	20.2	18.7	19.7	19.2	20.0	20.5
	4H	18.6	19.4	19.0	19.8	20.3	18.8	19.7	19.3	20.1	20.5
	6H	18.7	19.4	19.1	19.8	20.3	19.0	19.7	19.4	20.1	20.6
	8H	18.7	19.3	19.2	19.8	20.3	19.0	19.7	19.5	20.1	20.6
	12H	18.7	19.3	19.2	19.7	20.2	19.1	19.7	19.6	20.1	20.6
8H	4H	18.6	19.2	19.1	19.7	20.2	18.8	19.5	19.3	19.9	20.4
	6H	18.7	19.2	19.2	19.7	20.2	19.0	19.5	19.5	20.0	20.5
	8H	18.8	19.2	19.3	19.7	20.2	19.1	19.6	19.6	20.1	20.6
	12H	18.8	19.2	19.3	19.7	20.2	19.2	19.6	19.7	20.1	20.6
12H	4H	18.6	19.1	19.1	19.6	20.1	18.8	19.4	19.3	19.8	20.3
	6H	18.7	19.2	19.3	19.7	20.2	19.0	19.5	19.5	20.0	20.5
	8H	18.8	19.2	19.3	19.7	20.2	19.1	19.5	19.7	20.0	20.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2100 B = 50
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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°		15337.1	15386.8	15516.8	15733.4	15947.7	16176.3	16396.2	
50°		7985.6	9225.1	10377.4	9461.0	8525.0	10144.7	11360.6	
55°		3593.5	4859.8	4595.5	5239.5	3952.2	5476.5	5093.4	
60°		2786.7	2901.2	3078.1	2859.1	2851.3	3042.2	3168.5	
65°		2712.4	2694.8	2807.3	2728.9	2858.0	2844.2	2883.9	
70°		2428.8	2480.0	2581.5	2570.0	2616.8	2647.5	2781.9	
75°		2234.0	2315.3	2548.7	2438.7	2493.0	2614.9	2619.3	
80°		2010.4	2136.0	2358.3	2564.8	2374.0	2654.5	2660.5	
85°		1519.8	1542.4	1645.2	2011.5	2168.3	2548.4	2673.3	

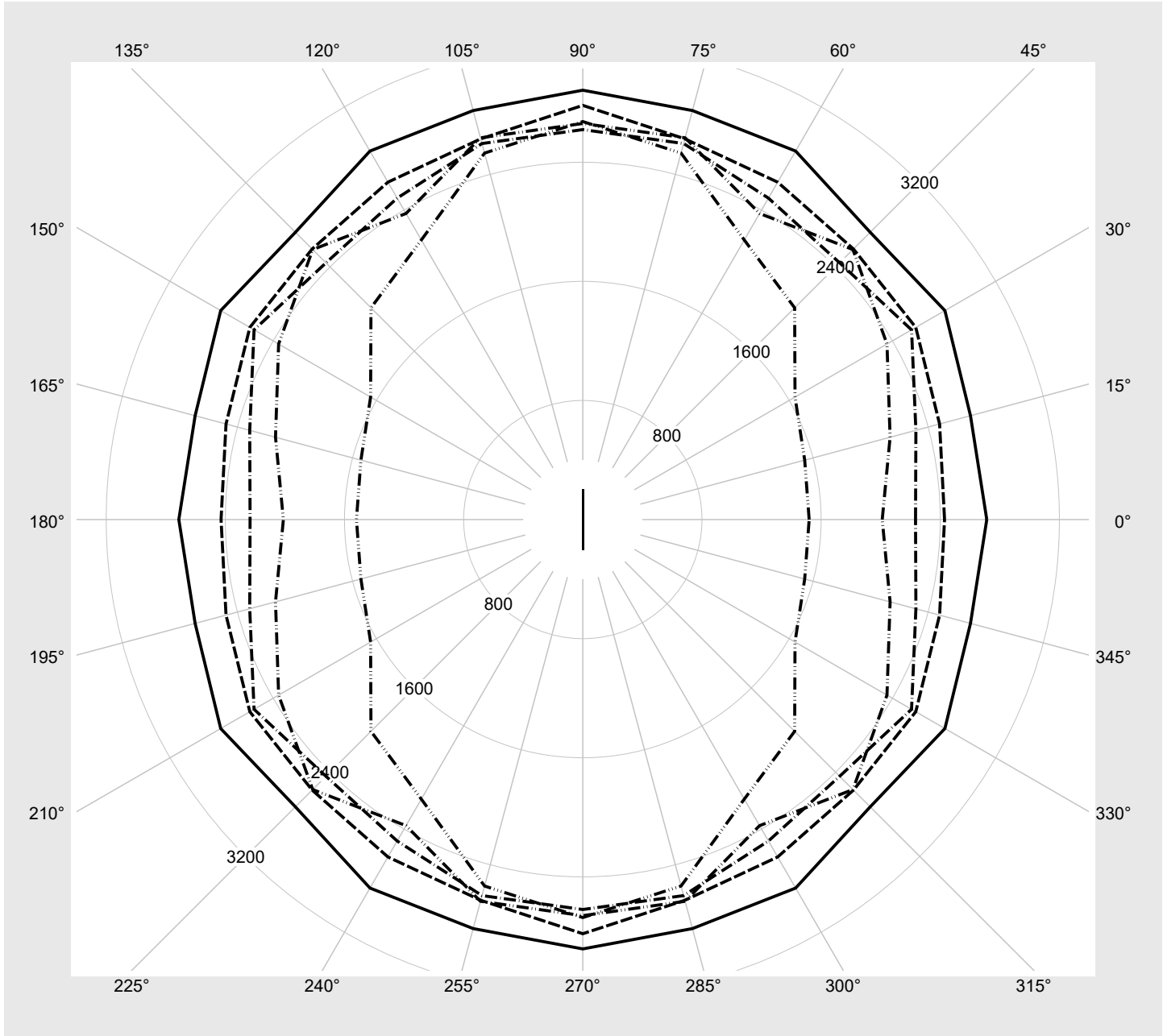
Photometric test report

Family Silica® 21	Order number: 51MX13DL35WB EAN: 4069025000064	LP number 59330_299
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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: 51MX13DL35WB EAN: 4069025000064	LP number 59330_299
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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	5740	40.8
95	241	252	5461	38.7
90	227	250	5158	36.5
85	214	248	4875	34.5
80	201	245	4591	32.5
75	188	243	4304	30.6
70	175	240	4016	28.5
65	162	238	3725	26.6
60	149	234	3433	24.6
55	137	231	3163	22.7
50	124	228	2868	20.6
45	111	224	2572	18.7
40	99	219	2298	16.9
35	86	214	1999	15.0
30	74	209	1722	13.2
25	62	202	1443	11.4
20	49	194	1139	9.5
15	37	183	858	7.6
10	25	169	576	6.0
5	13	145	294	4.1
2	6	117	128	3.0