

Photometric test report

Family
Silica® 21 rectangular

Order number: 51MA63D84LWA
EAN: 4069025628954

LP number
59826_146

serial
documentation
13.01.2026



Version surface-mounted luminaire, direct distribution,
micro prismatic cover, housing, white, UGR≤19
(L65≤3000cd/m²)

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 5500 lm
Power consumption = 33.6 W
Luminous efficacy = 163.7 lm/W

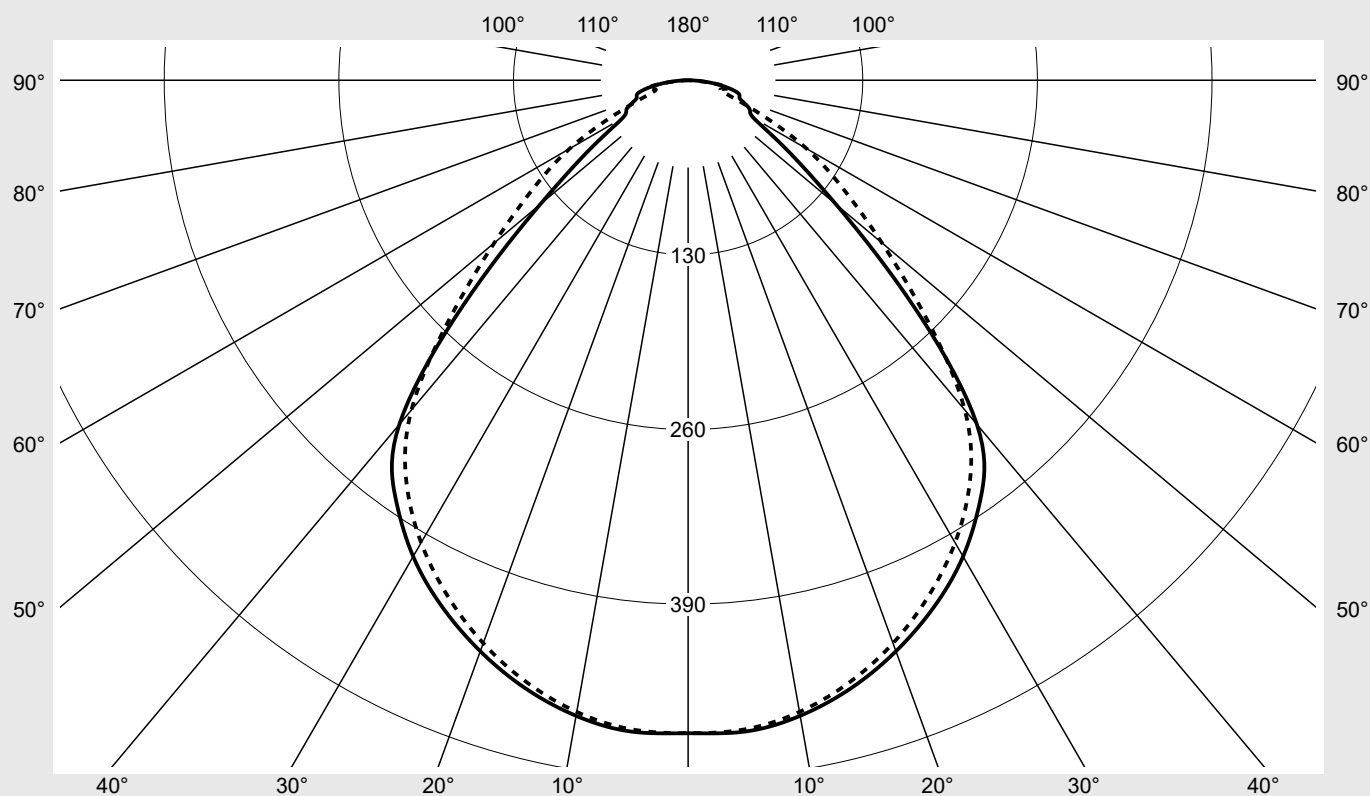
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 487 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=64 N2=89 N3=97
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 rectangular	Order number: 51MA63D84LWA EAN: 4069025628954	LP number 59826_146
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	486.1	486.1	486.1	486.1	486.1	486.1	486.1	2.9	2.9
5°	486.7	484.1	481.4	483.1	485.4	485.1	485.0	23.1	26.0
10°	480.4	477.8	474.6	475.9	477.9	477.5	477.5	45.4	71.5
15°	468.5	466.0	462.5	463.3	464.8	464.2	464.0	65.9	137.4
20°	452.3	449.7	445.8	446.0	446.9	446.2	446.0	83.9	221.2
25°	432.8	429.8	425.0	424.8	425.7	424.4	423.6	98.8	320.0
30°	409.4	405.7	400.1	399.8	401.2	399.1	397.5	110.0	430.0
35°	379.7	376.2	369.4	369.8	370.7	368.6	365.6	116.7	546.7
40°	334.5	334.6	328.5	328.1	322.7	324.2	320.4	115.4	662.1
45°	236.5	251.7	255.4	250.5	228.6	250.0	251.1	95.6	757.7
50°	143.7	164.9	192.5	164.8	142.8	162.3	188.3	69.5	827.3
55°	88.6	101.2	143.4	100.8	87.8	98.6	141.0	48.4	875.6
60°	56.4	68.4	100.7	69.1	56.3	67.5	101.9	34.9	910.5
65°	50.4	58.5	62.3	59.9	51.6	59.9	58.9	28.7	939.3
70°	41.3	50.4	31.9	51.3	41.6	51.4	31.5	22.6	961.8
75°	39.1	35.2	27.9	35.9	39.6	35.7	25.6	18.2	980.1
80°	28.0	21.2	27.7	20.6	28.4	21.6	29.6	13.4	993.4
85°	13.1	12.2	10.3	12.3	13.0	12.5	10.4	6.6	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 rectangular	Order number: 51MA63D84LWA EAN: 4069025628954	LP number 59826_146
----------------------------------	--	------------------------

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	16.3	17.8	16.7	18.1	18.5	16.1	17.6	16.5	18.0	18.3
	3H	17.0	18.4	17.4	18.7	19.1	16.9	18.2	17.3	18.6	18.9
	4H	17.5	18.8	17.9	19.1	19.5	17.2	18.5	17.6	18.8	19.2
	6H	18.0	19.1	18.4	19.5	19.9	17.7	18.8	18.1	19.2	19.6
	8H	18.2	19.3	18.6	19.7	20.1	18.0	19.0	18.4	19.4	19.8
	12H	18.4	19.4	18.8	19.8	20.2	18.1	19.1	18.5	19.5	19.9
4H	2H	16.6	17.8	17.0	18.2	18.6	16.4	17.7	16.8	18.1	18.4
	3H	17.4	18.5	17.8	18.9	19.3	17.4	18.5	17.8	18.9	19.3
	4H	18.0	18.9	18.4	19.4	19.8	18.0	18.9	18.4	19.3	19.8
	6H	18.6	19.4	19.0	19.8	20.3	18.5	19.4	19.0	19.8	20.3
	8H	18.9	19.6	19.3	20.0	20.5	18.8	19.6	19.3	20.0	20.5
	12H	19.1	19.8	19.6	20.2	20.7	19.0	19.7	19.5	20.1	20.6
8H	4H	18.2	19.0	18.7	19.4	19.9	18.2	19.0	18.7	19.4	19.9
	6H	19.0	19.6	19.5	20.1	20.6	19.0	19.6	19.5	20.1	20.6
	8H	19.4	19.9	19.9	20.4	20.9	19.4	19.9	19.9	20.4	20.9
	12H	19.7	20.1	20.2	20.6	21.2	19.7	20.1	20.2	20.6	21.2
12H	4H	18.3	19.0	18.8	19.4	19.9	18.3	18.9	18.8	19.4	19.9
	6H	19.1	19.6	19.6	20.1	20.6	19.1	19.6	19.6	20.1	20.6
	8H	19.5	20.0	20.0	20.5	21.0	19.5	20.0	20.0	20.5	21.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1484 B = 213	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	5820.3	6194.6	6284.0	6163.2	5624.6	6151.1	6180.1
50°	3890.5	4463.3	5211.1	4460.6	3864.7	4392.5	5098.2
55°	2687.3	3070.0	4350.5	3056.6	2662.6	2990.2	4278.3
60°	1963.9	2379.3	3503.2	2405.5	1957.9	2348.1	3544.5
65°	2073.7	2407.3	2564.9	2466.5	2125.5	2467.5	2426.5
70°	2103.5	2564.4	1624.5	2612.3	2115.3	2617.3	1604.7
75°	2627.4	2363.8	1876.1	2415.2	2665.3	2397.1	1720.1
80°	2810.6	2128.1	2777.2	2066.7	2843.0	2169.0	2963.1
85°	2613.7	2444.2	2063.3	2452.2	2599.1	2504.1	2074.9

Photometric test report

Family
Silica® 21 rectangular

Order number: 51MA63D84LWA
EAN: 4069025628954

LP number
59826_146

Luminance values in cd/m²

γ 65°

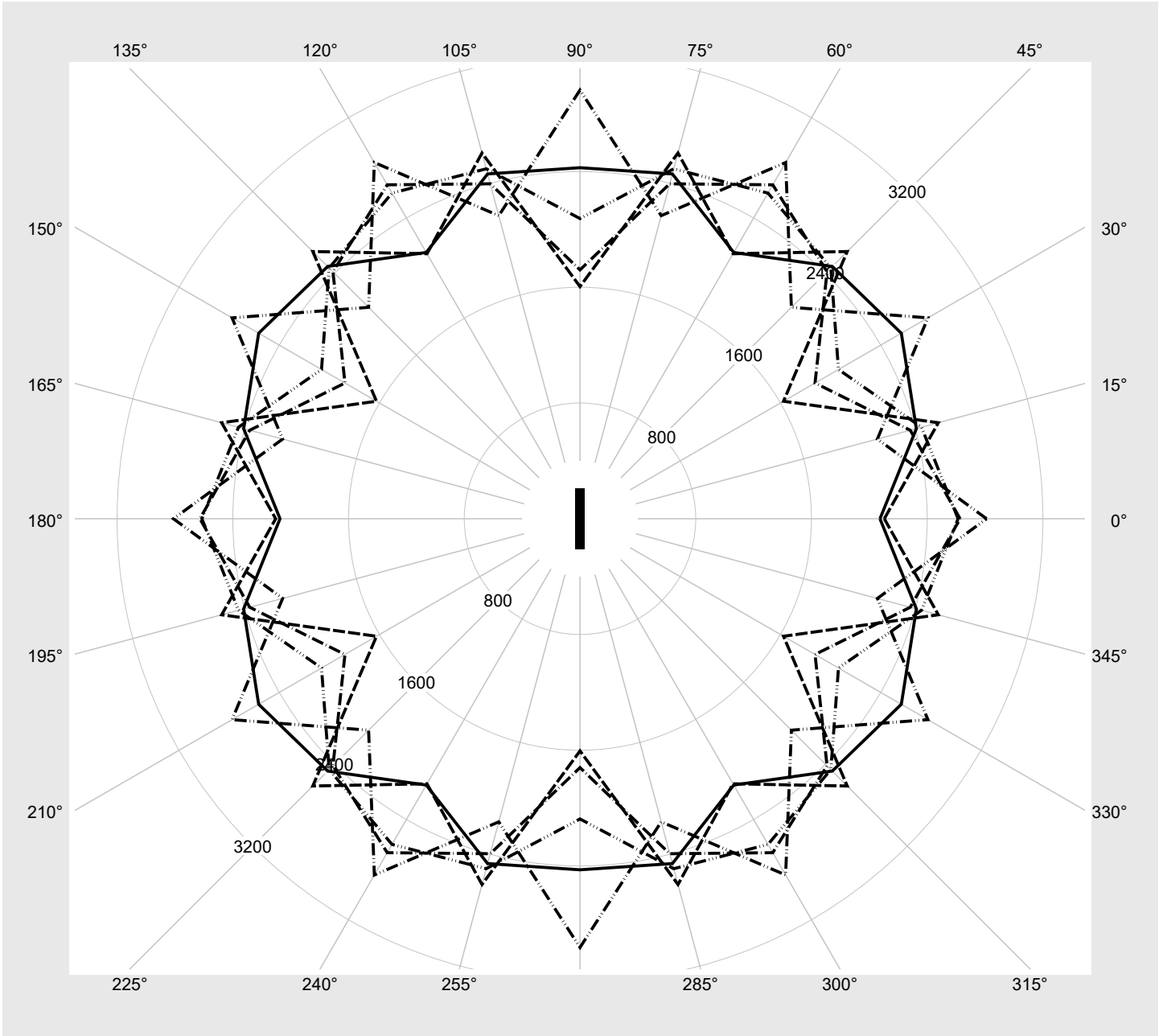
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 rectangular	Order number: 51MA63D84LWA EAN: 4069025628954	LP number 59826_146
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5500	33.6
95	240	252	5219	31.8
90	227	250	4957	30.2
85	213	248	4673	28.4
80	200	245	4406	26.8
75	186	243	4117	25.0
70	173	240	3846	23.3
65	160	237	3570	21.5
60	147	234	3294	19.9
55	134	231	3016	18.2
50	122	227	2758	16.6
45	109	223	2475	14.8
40	97	219	2211	13.3
35	84	213	1923	11.7
30	72	208	1653	10.2
25	60	201	1382	8.6
20	48	193	1108	7.1
15	36	182	831	5.6
10	24	168	552	4.0
5	12	142	268	2.2
4	9	132	197	1.8