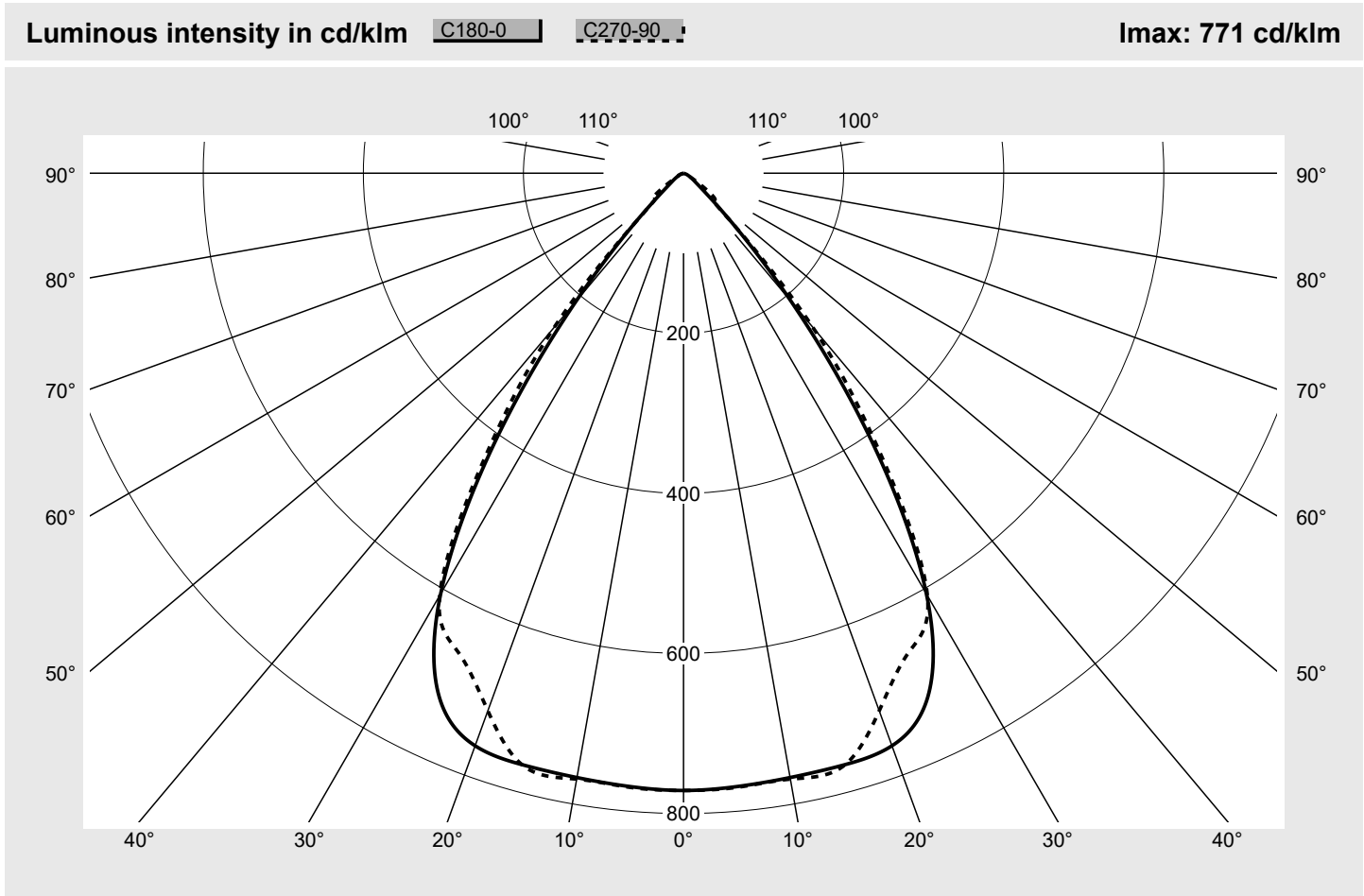


Photometric test report

Family Silica® 31	Order number: 51MY6SMU44WA16 EAN: 4069025232434		LP number 59712_1
	Version	recessed luminaire for lay-in mounting, white, square M625, reflector, white, wide distribution, UGR≤16 (L65≤3000cd/m²)	serial documentation 20.01.2025
	Lamps	LED 4000 K CRI ≥ 80	
	Controlgear	ECG Multilumen	
	Setting	factory setting: DIP-Step=0	
	Rated values	Net luminous flux = 3080 lm Power consumption = 17.5 W Luminous efficacy = 176 lm/W	
			siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=89 N2=99 N3=100	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 31	Order number: 51MY6SMU44WA16 EAN: 4069025232434	LP number 59712_1
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
		Luminous intensity in cd/klm								
γ										
0°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2
5°	769.2	769.2	769.1	769.1	769.1	769.2	769.2	769.3	769.4	769.5
10°	766.8	766.6	766.5	766.4	766.5	766.5	766.6	766.8	766.9	767.1
15°	766.0	765.2	764.6	764.0	763.7	763.4	763.4	763.5	763.7	764.2
20°	761.3	759.4	758.0	757.2	756.5	756.3	756.7	757.5	758.6	759.9
25°	722.1	717.1	715.4	715.7	718.3	724.9	733.2	740.5	715.1	694.8
30°	606.9	595.2	591.7	595.3	608.4	630.2	633.8	614.8	598.2	586.5
35°	412.4	397.2	394.5	403.5	423.8	438.3	437.5	436.9	437.0	438.6
40°	209.4	196.7	199.4	210.9	228.5	238.2	245.0	250.8	257.2	270.1
45°	75.2	69.7	74.3	80.8	92.3	100.8	107.7	109.8	129.0	147.7
50°	27.9	27.1	28.7	31.0	34.9	39.4	42.2	50.0	60.9	68.1
55°	15.8	15.6	16.3	17.1	18.2	20.0	22.0	24.4	25.9	22.9
60°	9.9	9.8	10.1	10.3	11.0	11.6	12.2	12.0	13.1	14.5
65°	5.9	5.9	6.0	6.2	6.4	6.6	6.9	7.3	7.8	8.0
70°	3.4	3.4	3.4	3.5	3.5	3.7	3.9	3.9	3.8	4.2
75°	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.2	2.3	2.5
80°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	0.9
85°	0.4	0.3	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family Silica® 31	Order number: 51MY6SMU44WA16 EAN: 4069025232434	LP number 59712_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	4.6	4.6
5°	769.6	769.7	769.8	769.9	770.0	770.1	770.2	770.2	770.2	36.8	41.4
10°	767.3	767.5	767.7	767.9	768.2	768.4	768.6	768.7	768.7	73.0	114.4
15°	764.8	765.4	766.0	766.5	766.9	767.1	767.4	767.5	767.6	108.6	223.0
20°	753.3	742.0	733.5	727.1	722.4	718.9	716.5	715.2	714.8	139.4	362.4
25°	680.8	672.4	667.7	665.5	664.4	663.6	663.0	662.6	662.6	161.0	523.4
30°	579.8	579.3	584.3	591.8	599.1	604.3	607.6	608.8	609.4	164.7	688.1
35°	444.1	457.1	462.5	461.7	455.8	447.3	438.9	432.8	430.8	136.7	824.8
40°	289.1	298.1	298.4	292.4	282.7	271.1	260.6	253.6	251.1	89.5	914.3
45°	160.6	161.5	151.5	134.7	115.6	97.6	83.7	75.0	72.1	42.3	956.7
50°	66.7	52.3	43.7	45.0	46.6	48.3	49.8	50.9	51.2	19.2	975.9
55°	25.5	28.1	29.3	29.6	29.8	30.1	30.4	30.5	30.6	10.9	986.9
60°	15.5	16.3	16.2	15.3	14.0	12.5	11.1	10.1	9.8	5.9	992.8
65°	7.6	6.9	7.2	7.4	7.5	7.4	7.3	7.2	7.2	3.5	996.3
70°	4.5	4.6	4.8	4.9	4.8	4.7	4.6	4.6	4.5	2.1	998.4
75°	2.5	2.5	2.4	2.3	2.2	2.1	2.0	2.0	1.9	1.1	999.6
80°	0.8	0.6	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.4	999.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

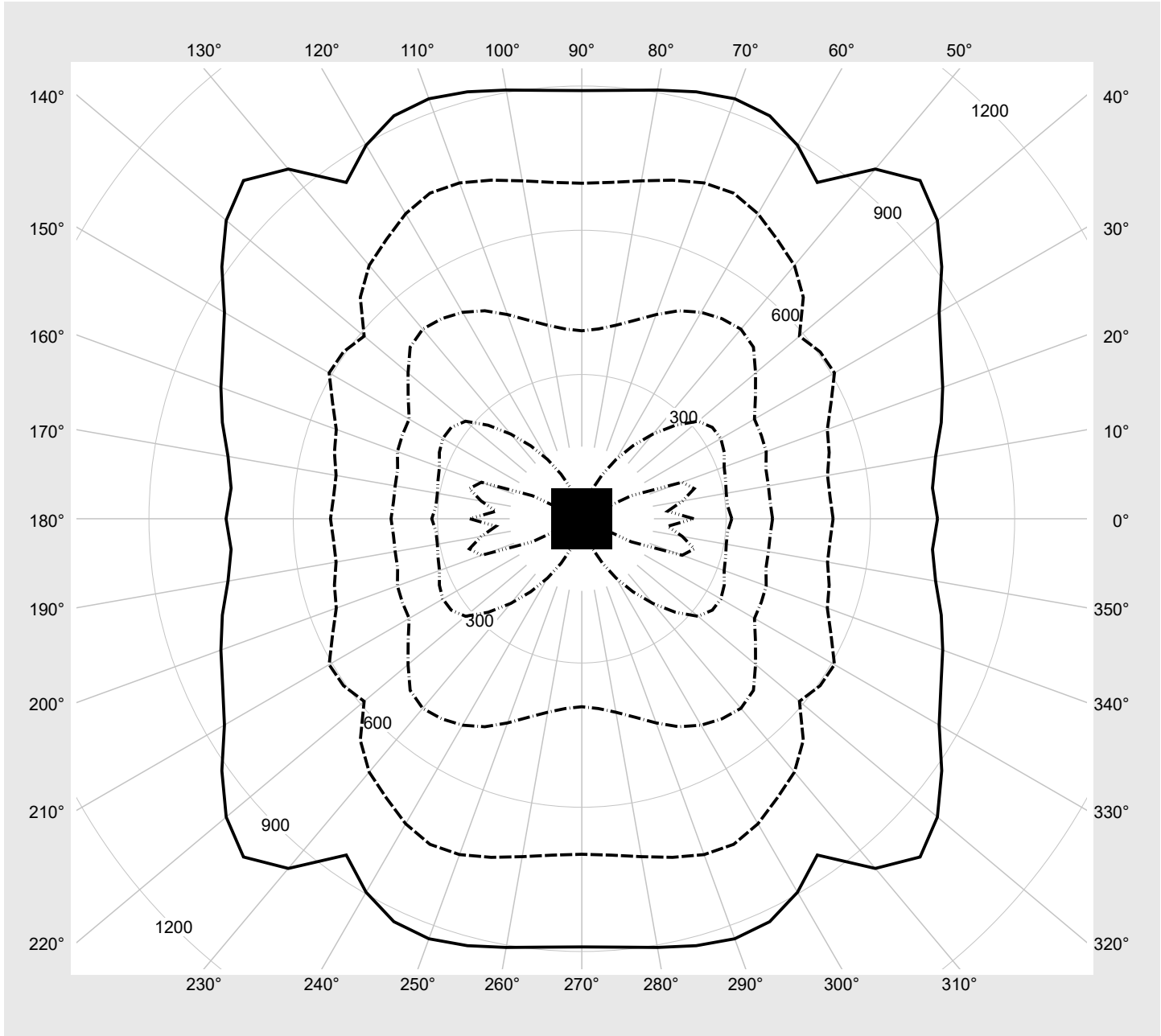
Family Silica® 31	Order number: 51MY6SMU44WA16 EAN: 4069025232434	LP number 59712_1
UGR-Table	Standard room	siteco

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	16.0	17.3	16.4	17.6	17.9	16.9	18.2	17.3	18.5	18.8
	3H	15.9	17.0	16.3	17.4	17.7	16.8	17.9	17.2	18.3	18.6
	4H	15.9	16.9	16.3	17.2	17.6	16.8	17.8	17.2	18.1	18.5
	6H	15.8	16.7	16.2	17.1	17.5	16.7	17.6	17.1	18.0	18.4
	8H	15.8	16.6	16.3	17.0	17.4	16.8	17.5	17.2	17.9	18.3
	12H	15.8	16.5	16.2	16.9	17.4	16.7	17.4	17.1	17.8	18.2
4H	2H	15.9	16.9	16.3	17.2	17.6	16.7	17.8	17.1	18.1	18.5
	3H	15.7	16.6	16.2	17.0	17.4	16.6	17.5	17.1	17.9	18.3
	4H	15.7	16.4	16.1	16.8	17.3	16.5	17.3	17.0	17.7	18.1
	6H	15.6	16.2	16.0	16.7	17.1	16.5	17.1	16.9	17.5	18.0
	8H	15.6	16.1	16.0	16.6	17.0	16.4	17.0	16.9	17.4	17.9
	12H	15.5	16.0	16.0	16.5	17.0	16.4	16.9	16.9	17.3	17.8
8H	4H	15.6	16.1	16.0	16.6	17.0	16.4	17.0	16.9	17.4	17.9
	6H	15.5	15.9	16.0	16.4	16.9	16.3	16.8	16.8	17.3	17.8
	8H	15.4	15.8	15.9	16.3	16.8	16.3	16.7	16.8	17.2	17.7
	12H	15.4	15.7	15.9	16.2	16.7	16.2	16.6	16.8	17.1	17.6
12H	4H	15.5	16.0	16.0	16.5	17.0	16.4	16.9	16.9	17.3	17.8
	6H	15.4	15.8	15.9	16.3	16.8	16.3	16.7	16.8	17.2	17.7
	8H	15.4	15.7	15.9	16.2	16.7	16.2	16.6	16.8	17.1	17.6

Luminance table		Max. for $\gamma \geq 65^\circ$				Photometric dimensions in mm:		L = 242 B = 242			
C-planes	0° 180°	10° 170° 190° 350°	20° 160° 200° 340°	30° 150° 210° 330°	40° 140° 220° 320°	50° 130° 230° 310°	60° 120° 240° 300°	70° 110° 250° 290°	80° 100° 260° 280°	90° 270°	
		Luminance in cd/m²									
γ											
45°		5592.5	5525.0	6866.2	8008.6	9594.5	11942.5	11268.2	8596.9	6221.8	5365.1
50°		2284.2	2347.0	2859.5	3449.0	4980.5	5454.7	3574.0	3811.4	4078.2	4188.3
55°		1452.3	1493.7	1669.0	2012.9	2374.2	2338.2	2682.6	2733.0	2783.4	2801.6
60°		1045.3	1061.9	1161.1	1279.9	1382.5	1628.5	1706.2	1468.3	1171.9	1027.2
65°		739.7	747.0	798.6	858.0	965.2	949.4	897.0	929.6	905.3	890.5
70°		522.5	518.8	543.3	606.6	590.8	687.8	732.6	743.3	713.6	697.8
75°		396.6	394.0	408.0	414.5	471.6	514.7	495.8	451.9	408.6	391.0
80°		312.0	305.0	315.0	333.8	315.6	229.9	142.3	67.2	17.3	0.0
85°		232.9	212.4	222.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family Silica® 31	Order number: 51MY6SMU44WA16 EAN: 4069025232434	LP number 59712_1
Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°		



Photometric test report

Family
Silica® 31

Order number: 51MY6SMU44WA16
EAN: 4069025232434

LP number
59712_1

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	6650	39.0
14	ON	ON	ON	OFF	6370	37.0
13	ON	ON	OFF	ON	6080	35.0
12	ON	ON	OFF	OFF	5790	33.0
10	ON	OFF	ON	OFF	5490	31.5
9	ON	OFF	OFF	ON	5190	30.0
8	ON	OFF	OFF	OFF	4900	28.0
6	OFF	ON	ON	OFF	4620	26.0
5	OFF	ON	OFF	ON	4320	24.5
4	OFF	ON	OFF	OFF	4010	22.5
2	OFF	OFF	ON	OFF	3700	21.0
1	OFF	OFF	OFF	ON	3380	19.0
0	OFF	OFF	OFF	OFF	3080	17.5