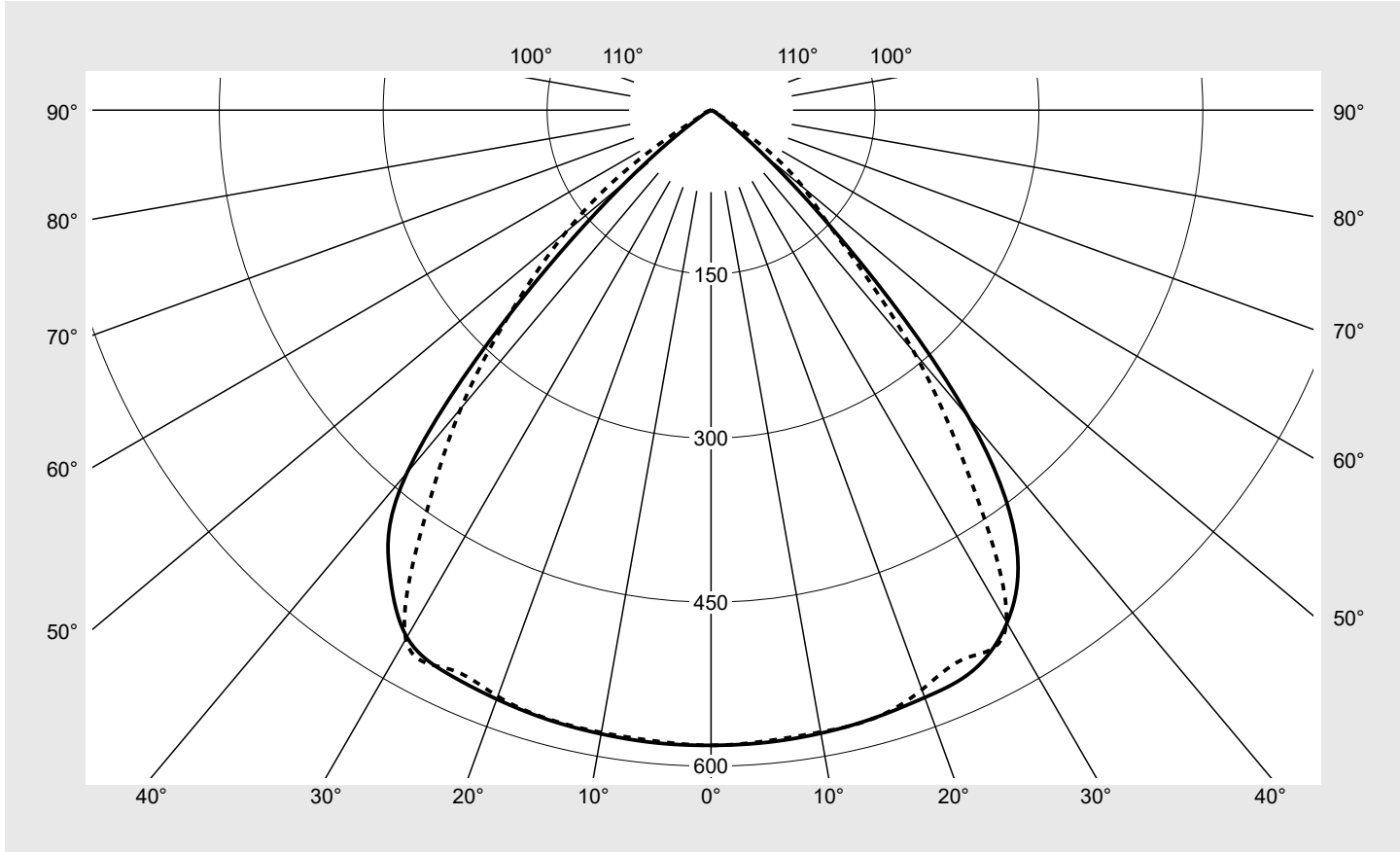


Photometric test report

Family Silica® 31	Order number: 51MY6NDU44WA EAN: 4069025073501	LP number 59651_3
	Version recessed luminaire for lay-in mounting, white, square M625, reflector, white, wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 28.06.2024
	Lamps LED 4000 K CRI ≥ 80	
Controlgear ECG-DALI		
Setting factory setting: DIP-Step=12		
Rated values Net luminous flux = 4570 lm Power consumption = 26.0 W Luminous efficacy = 175.8 lm/W		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 581 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=81 N2=99 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® 31	Order number: 51MY6NDU44WA EAN: 4069025073501	LP number 59651_3
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Luminous intensity in cd/klm												
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
5°	580.5	580.1	579.7	579.4	579.4	579.4	579.2	579.0	579.2	579.6	580.0	580.5	580.9
10°	578.7	578.5	578.4	578.3	578.0	577.7	577.6	577.5	578.2	578.7	578.6	578.8	579.3
15°	575.7	576.4	576.8	577.2	576.7	576.4	575.9	576.2	577.1	577.5	576.7	576.6	577.1
20°	571.7	572.8	573.6	576.1	569.0	564.9	564.1	566.2	570.5	575.8	575.1	572.8	573.3
25°	566.0	566.0	569.7	558.0	553.5	552.0	552.9	555.0	555.9	560.9	570.4	567.8	569.0
30°	541.6	540.0	546.9	525.4	533.0	536.9	540.7	543.2	535.9	528.0	550.7	551.3	556.7
35°	487.7	474.2	457.4	466.6	474.3	428.4	415.5	433.8	482.1	473.9	481.9	504.4	513.2
40°	366.3	361.1	338.8	353.2	337.9	294.5	289.0	304.8	337.6	388.1	355.1	393.3	432.6
45°	177.0	197.8	189.9	224.7	192.0	162.4	163.7	169.6	200.0	223.2	205.3	207.1	247.5
50°	59.6	73.0	68.9	101.0	76.5	96.8	110.7	105.6	75.4	118.3	93.8	83.2	99.3
55°	15.4	19.6	34.5	33.2	43.5	54.3	58.4	57.4	47.2	34.2	37.6	30.2	25.8
60°	6.2	7.6	11.7	17.6	20.1	12.5	5.7	12.8	19.7	20.8	16.2	8.0	8.2
65°	3.9	4.0	4.5	8.0	4.3	4.4	4.3	4.4	4.4	8.4	4.7	4.4	4.5
70°	2.5	2.7	2.8	2.8	3.1	3.0	2.9	3.0	3.1	2.9	2.9	2.7	3.0
75°	1.6	1.7	1.7	1.8	1.8	1.7	1.5	1.6	1.8	1.9	1.8	1.7	1.9
80°	0.9	1.0	1.0	0.9	0.4	0.1	0.0	0.1	0.4	0.8	1.0	1.0	1.2
85°	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	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: 51MY6NDU44WA EAN: 4069025073501	LP number 59651_3
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	3.5	3.5
5°	580.6	580.2	579.9	579.4	579.2	579.3	579.6	579.6	579.6	579.9	580.2	27.7	31.2
10°	578.7	578.5	579.0	578.9	578.0	578.0	578.3	578.9	579.0	578.8	578.6	55.1	86.2
15°	576.8	576.9	577.2	577.4	577.4	576.4	577.2	578.0	577.5	577.0	576.5	81.8	168.1
20°	573.4	575.5	576.5	572.6	571.3	570.6	571.8	573.3	576.3	573.9	572.8	107.3	275.4
25°	568.6	571.7	567.0	563.8	563.3	564.4	565.2	564.3	564.4	569.1	566.4	130.6	405.9
30°	556.7	557.9	546.1	551.7	555.8	558.7	557.7	551.5	541.1	552.6	542.8	149.6	555.5
35°	512.6	507.6	507.3	509.7	467.7	457.5	468.2	504.9	500.8	479.1	486.3	150.6	706.1
40°	418.8	394.7	438.8	381.7	362.9	356.1	354.7	376.9	409.9	373.1	383.3	129.2	835.4
45°	231.5	245.7	274.1	252.0	248.3	255.5	243.3	232.7	270.2	228.4	219.8	85.0	920.3
50°	100.9	114.3	152.3	123.7	166.7	172.8	157.5	112.9	125.8	91.5	77.8	44.8	965.1
55°	35.6	44.5	45.1	77.3	90.7	91.0	88.1	63.5	43.5	44.4	20.3	21.2	986.3
60°	9.0	19.9	27.4	32.0	20.3	8.7	20.2	30.1	23.2	14.3	8.1	7.5	993.9
65°	4.7	6.0	11.5	7.6	6.8	6.4	6.8	7.5	11.0	5.2	4.2	2.9	996.8
70°	2.9	3.3	4.3	5.1	4.5	4.2	4.5	5.1	3.8	3.1	2.9	1.7	998.5
75°	1.9	2.0	2.5	2.7	2.2	2.0	2.2	2.6	2.2	1.9	1.8	1.0	999.6
80°	1.1	1.2	1.0	0.5	0.1	0.0	0.1	0.5	1.0	1.1	1.1	0.4	999.9
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Silica® 31	Order number: 51MY6NDU44WA EAN: 4069025073501	LP number 59651_3
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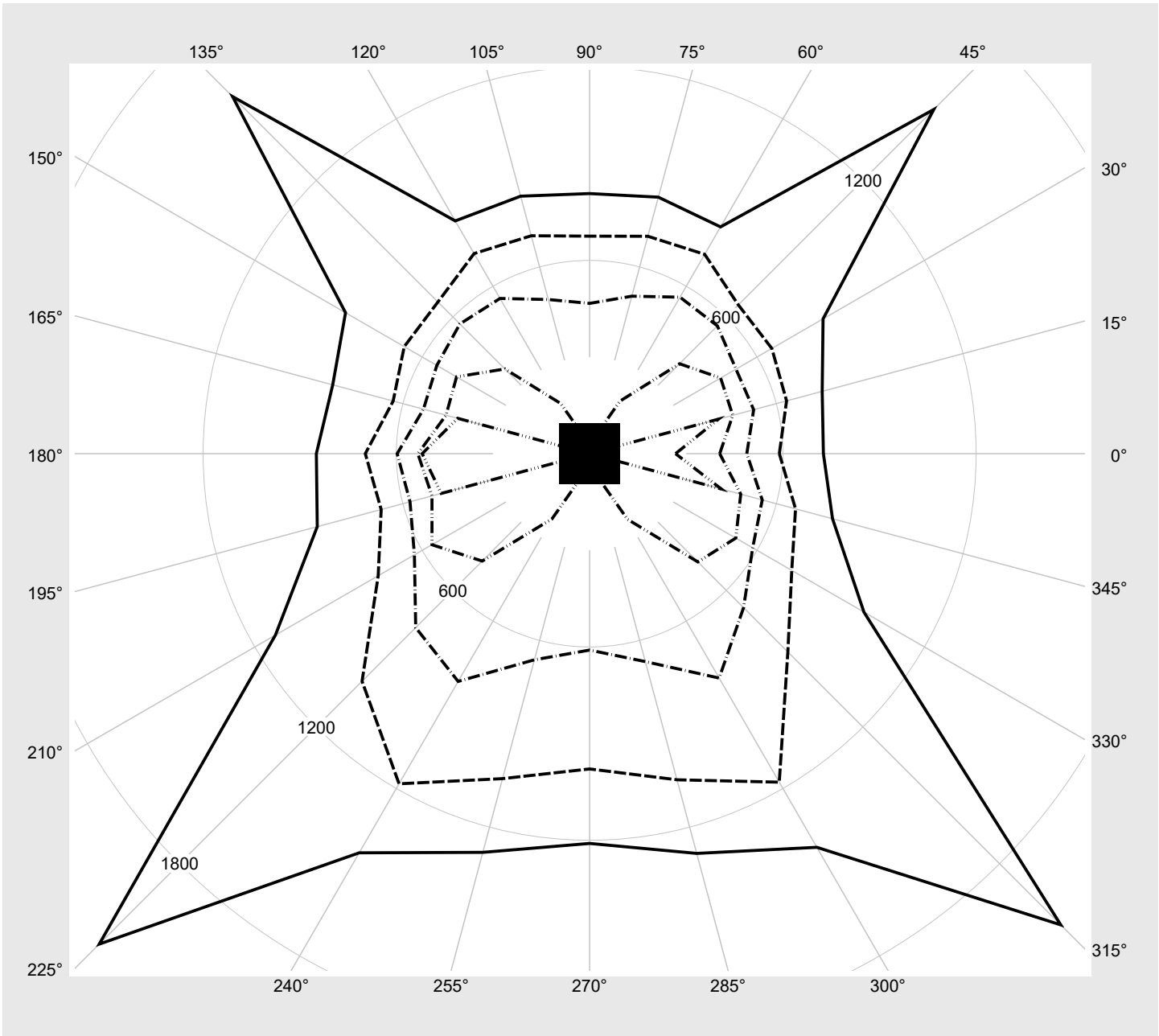
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	19.7	21.1	20.1	21.4	21.7	19.5	20.9	19.9	21.2	21.5
	3H	19.6	20.8	20.0	21.1	21.5	19.4	20.6	19.8	20.9	21.3
	4H	19.6	20.6	19.9	21.0	21.4	19.4	20.4	19.7	20.8	21.2
	6H	19.5	20.5	19.9	20.8	21.2	19.3	20.3	19.7	20.6	21.0
	8H	19.5	20.4	19.9	20.8	21.2	19.3	20.2	19.7	20.6	21.0
	12H	19.5	20.3	19.9	20.7	21.1	19.3	20.1	19.7	20.5	20.9
4H	2H	19.6	20.7	20.0	21.0	21.4	19.4	20.5	19.8	20.8	21.2
	3H	19.5	20.4	19.9	20.7	21.2	19.2	20.1	19.7	20.5	20.9
	4H	19.4	20.2	19.8	20.6	21.0	19.2	20.0	19.6	20.4	20.8
	6H	19.3	20.0	19.8	20.4	20.9	19.1	19.8	19.5	20.2	20.7
	8H	19.3	19.9	19.7	20.3	20.8	19.0	19.7	19.5	20.1	20.6
	12H	19.3	19.8	19.7	20.2	20.7	19.0	19.5	19.5	20.0	20.5
8H	4H	19.3	19.9	19.7	20.3	20.8	19.0	19.7	19.5	20.1	20.6
	6H	19.2	19.7	19.7	20.1	20.7	19.0	19.4	19.4	19.9	20.4
	8H	19.1	19.6	19.6	20.1	20.6	18.9	19.3	19.4	19.8	20.3
	12H	19.1	19.4	19.6	20.0	20.5	18.9	19.2	19.4	19.7	20.3
12H	4H	19.3	19.8	19.7	20.2	20.7	19.0	19.5	19.5	20.0	20.5
	6H	19.2	19.6	19.7	20.0	20.6	18.9	19.3	19.4	19.8	20.4
	8H	19.1	19.4	19.6	20.0	20.5	18.9	19.2	19.4	19.7	20.3

Luminance table		Max. for $\gamma \geq 65^\circ$										Photometric dimensions in mm:		L = 240	B = 240	
C-planes	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°				
γ	Luminance in cd/m ²															
45°	19863.0	21309.0	21544.4	18372.1	22441.2	23035.3	27765.7	27563.8	28270.0	28673.5	26106.5	25624.6				
50°	7359.1	8509.6	9438.2	13662.8	9305.0	11575.0	12255.8	14106.7	15265.8	21332.7	13934.1	11289.1				
55°	2133.7	4775.8	6011.4	8075.9	6524.0	5204.2	3570.7	6149.5	10694.5	12584.9	8790.2	6139.9				
60°	975.9	1849.9	3184.7	902.7	3122.8	2577.6	1304.2	3157.7	5072.7	1375.9	4769.9	2273.3				
65°	725.8	836.9	812.9	807.4	834.3	875.0	848.4	1126.4	1430.7	1210.0	1411.0	983.4				
70°	589.0	653.2	714.5	675.3	717.3	664.6	696.4	757.9	1183.3	978.7	1177.5	724.7				
75°	488.0	524.8	561.0	466.6	556.4	547.8	597.5	628.1	816.3	609.7	804.4	584.6				
80°	403.9	469.7	188.2	0.0	180.0	477.0	533.2	565.2	233.9	0.0	235.3	524.1				
85°	266.7	0.0	0.0	0.0	0.0	0.0	519.8	0.0	0.0	0.0	0.0	0.0				

Photometric test report

Family Silica® 31	Order number: 51MY6NDU44WA EAN: 4069025073501	LP number 59651_3
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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® 31	Order number: 51MY6NDU44WA EAN: 4069025073501	LP number 59651_3
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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
0	OFF	OFF	OFF	OFF	6640	38.5
1	ON	OFF	OFF	OFF	6360	37.0
2	OFF	ON	OFF	OFF	6060	35.0
4	OFF	OFF	ON	OFF	5760	33.0
7	ON	ON	ON	OFF	5470	31.0
8	OFF	OFF	OFF	ON	5140	29.5
10	OFF	ON	OFF	ON	4840	28.0
12	OFF	OFF	ON	ON	4570	26.0
13	ON	OFF	ON	ON	4220	24.0
14	OFF	ON	ON	ON	3920	22.5