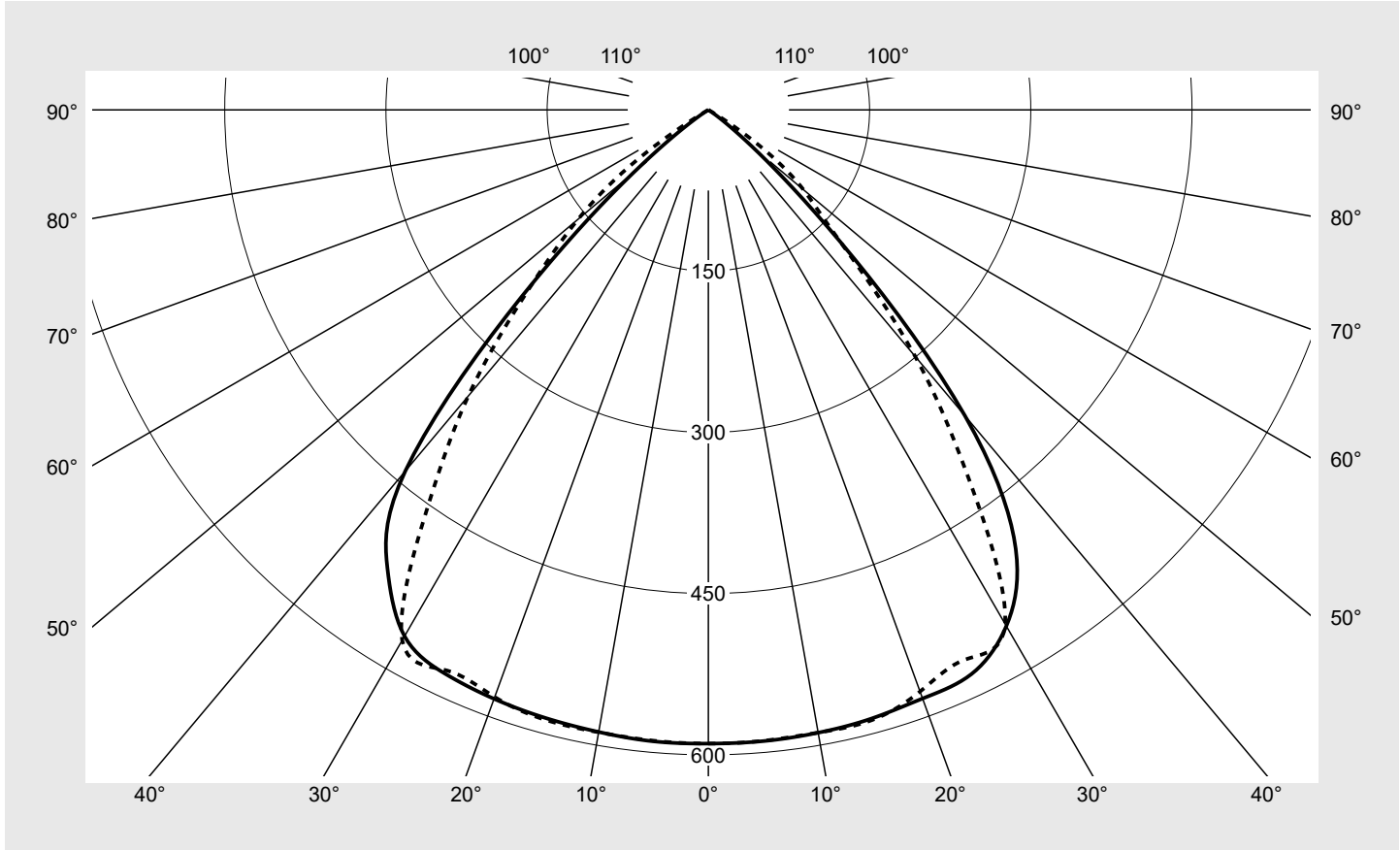


Photometric test report

Family Silica® 31	Order number: 51MY6LDU34BA EAN: 4069025073235	LP number 59650_1
	Version	recessed luminaire for lay-in mounting, black, square M625, reflector, black, wide distribution, UGR≤19 (L65≤1000cd/m²)
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	factory setting: DIP-Step=8
	Rated values	Net luminous flux = 4650 lm Power consumption = 29.5 W Luminous efficacy = 157.6 lm/W
		serial documentation 28.06.2024
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 590 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=82 N2=100 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: 51MY6LDU34BA EAN: 4069025073235	LP number 59650_1
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Table of values for luminous intensities Maximum luminous intensity

C-planes	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Luminous intensity in cd/klm												
0°	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6
5°	589.5	589.4	589.4	589.4	589.1	588.9	589.2	589.5	589.6	589.5	589.6	589.6	589.7
10°	588.4	588.4	588.5	588.4	588.4	588.1	588.3	588.8	588.4	588.3	587.8	587.7	587.7
15°	586.3	586.7	587.2	587.4	587.7	587.1	587.8	587.6	587.9	587.6	586.9	585.8	585.7
20°	582.8	583.8	584.9	586.9	579.9	576.4	575.9	577.8	581.6	586.4	584.6	583.0	583.1
25°	579.2	579.2	581.5	570.2	565.1	564.1	564.4	566.6	567.6	571.7	580.2	577.6	579.0
30°	554.5	553.6	560.9	539.2	545.9	549.7	552.3	555.3	547.8	540.2	561.0	561.0	565.4
35°	498.6	485.5	470.2	482.4	488.3	439.7	426.4	444.7	494.0	488.0	493.6	513.1	520.6
40°	371.4	369.8	347.4	366.4	347.6	303.2	299.4	314.1	345.6	402.6	363.9	402.3	438.8
45°	173.6	197.8	191.8	230.8	196.6	169.1	173.7	176.6	203.2	230.1	209.2	207.7	245.6
50°	53.2	68.1	63.9	99.8	75.7	99.3	115.6	109.0	73.3	118.0	90.8	77.6	91.9
55°	8.2	12.8	28.5	28.3	40.6	53.2	58.3	56.6	44.0	28.5	31.6	22.9	17.4
60°	0.5	1.7	6.4	13.2	16.3	8.1	0.6	8.4	15.6	16.0	11.1	2.3	1.9
65°	0.1	0.1	0.3	4.4	0.5	0.4	0.4	0.4	0.6	4.7	0.6	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.4	0.2	0.1	0.1	0.1
75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
80°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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: 51MY6LDU34BA EAN: 4069025073235	LP number 59650_1
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm												
0°	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	3.5	3.5
5°	589.5	589.3	589.3	589.4	589.3	589.1	588.8	589.2	589.5	589.5	589.5	28.2	31.7
10°	587.5	587.5	587.8	587.7	588.4	588.0	588.4	588.9	588.9	588.9	588.7	56.0	87.7
15°	585.8	586.7	586.7	587.0	586.5	587.4	587.6	588.6	588.4	587.7	587.0	83.3	171.0
20°	583.0	584.9	586.7	582.7	580.7	581.3	582.8	584.9	587.8	585.6	584.3	109.3	280.2
25°	578.6	581.4	576.5	573.9	573.7	575.5	576.6	575.9	575.8	582.3	578.8	133.1	413.4
30°	565.7	567.2	554.0	561.2	566.8	569.8	569.4	562.7	551.6	563.9	555.4	152.7	566.1
35°	519.1	512.8	512.1	516.7	470.5	458.8	472.3	512.1	508.2	485.7	495.3	153.4	719.5
40°	419.8	392.7	437.6	379.4	355.4	347.6	349.4	376.2	408.2	372.4	384.6	130.6	850.1
45°	224.5	235.9	266.4	242.6	230.4	237.2	228.0	224.8	263.5	221.4	214.1	83.9	934.0
50°	91.7	102.6	142.9	109.4	150.3	158.2	143.3	100.5	118.0	83.4	71.0	42.1	976.1
55°	27.0	36.0	36.8	66.0	78.6	80.0	77.1	54.2	36.8	37.9	13.2	18.2	994.3
60°	2.7	13.2	20.7	23.8	12.3	1.4	12.4	22.5	17.7	8.3	1.8	4.7	999.1
65°	0.1	1.0	6.4	1.9	1.1	1.0	1.1	1.9	6.4	0.5	0.1	0.7	999.8
70°	0.1	0.1	0.6	1.1	0.6	0.5	0.6	1.1	0.3	0.1	0.1	0.2	999.9
75°	0.0	0.0	0.1	0.3	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.0	1000.0
80°	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
85°	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
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: 51MY6LDU34BA EAN: 4069025073235	LP number 59650_1
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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	19.8	21.1	20.2	21.4	21.8	19.8	21.1	20.1	21.4	21.7
	3H	19.7	20.8	20.1	21.2	21.5	19.6	20.8	20.0	21.1	21.5
	4H	19.6	20.7	20.0	21.0	21.4	19.6	20.6	20.0	21.0	21.4
	6H	19.5	20.5	20.0	20.9	21.3	19.5	20.5	19.9	20.8	21.2
	8H	19.5	20.4	19.9	20.8	21.2	19.5	20.4	19.9	20.8	21.2
	12H	19.5	20.3	20.0	20.7	21.1	19.5	20.3	19.9	20.7	21.1
4H	2H	19.6	20.7	20.0	21.1	21.4	19.6	20.7	20.0	21.0	21.4
	3H	19.5	20.4	19.9	20.8	21.2	19.4	20.3	19.9	20.7	21.1
	4H	19.4	20.2	19.8	20.6	21.0	19.3	20.1	19.8	20.5	21.0
	6H	19.3	20.0	19.8	20.4	20.9	19.3	19.9	19.7	20.4	20.8
	8H	19.3	19.9	19.8	20.3	20.8	19.2	19.8	19.7	20.3	20.8
	12H	19.3	19.8	19.8	20.2	20.7	19.2	19.7	19.7	20.2	20.7
8H	4H	19.3	19.9	19.8	20.3	20.8	19.2	19.8	19.7	20.3	20.8
	6H	19.2	19.7	19.7	20.1	20.7	19.1	19.6	19.6	20.1	20.6
	8H	19.1	19.6	19.6	20.1	20.6	19.1	19.5	19.6	20.0	20.5
	12H	19.1	19.4	19.6	20.0	20.5	19.0	19.4	19.6	19.9	20.4
12H	4H	19.3	19.8	19.8	20.2	20.7	19.2	19.7	19.7	20.2	20.7
	6H	19.2	19.6	19.7	20.1	20.6	19.1	19.5	19.6	20.0	20.5
	8H	19.1	19.4	19.6	20.0	20.5	19.0	19.4	19.6	19.9	20.4

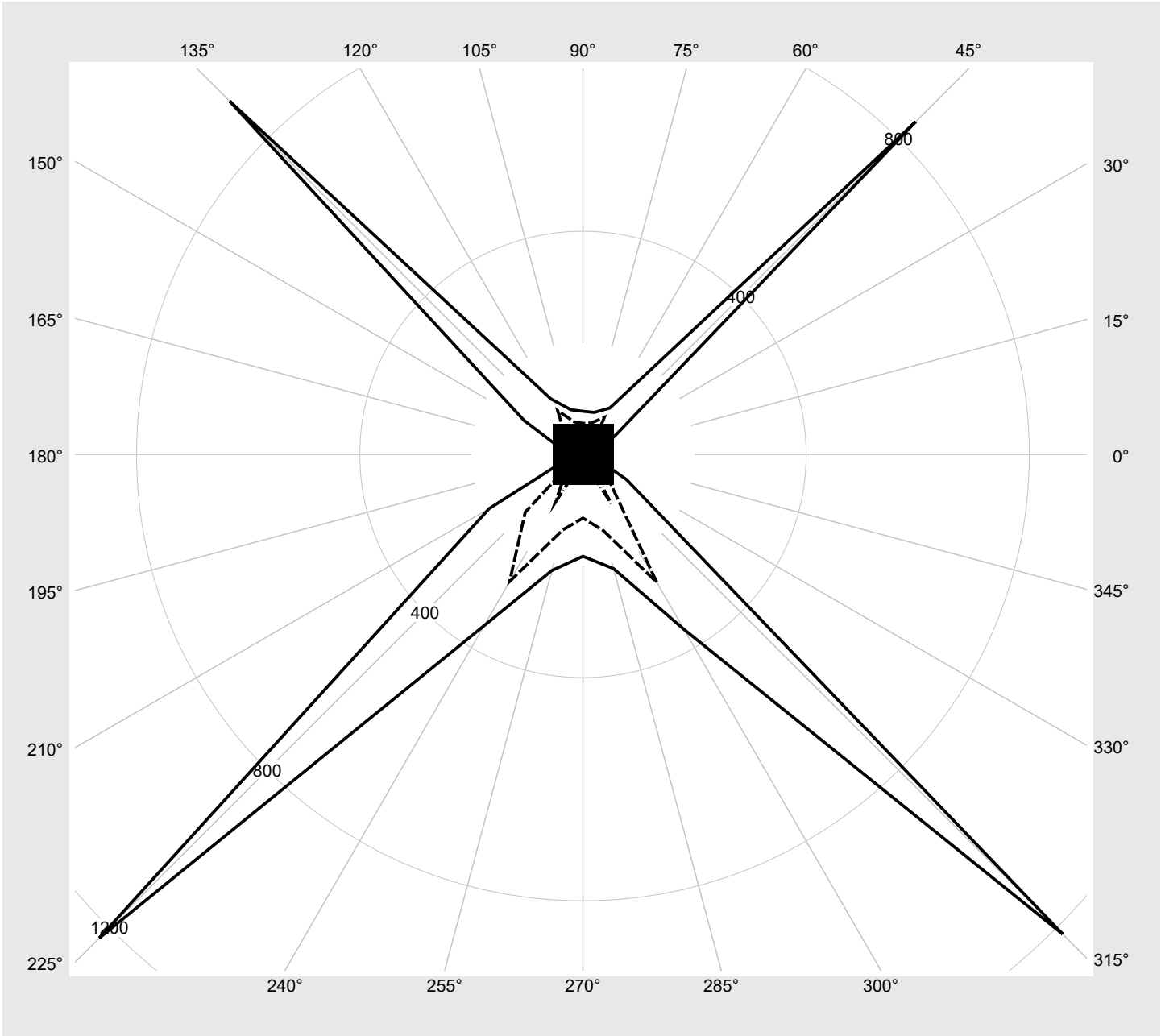
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 240	B = 240
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C-planes	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Luminance in cd/m²											
45°	19824.2	21900.1	22447.7	19835.6	23200.4	23884.8	28036.6	26930.4	27694.6	27078.7	25664.2	25276.4
50°	6680.4	8028.0	9511.1	14517.6	9201.1	11404.5	11536.3	12886.5	13739.8	19862.9	12623.0	10477.3
55°	1153.4	4017.3	5710.4	8203.7	6196.9	4452.0	2452.4	5060.8	9283.7	11262.0	7628.5	5328.0
60°	80.9	1034.8	2629.3	92.7	2524.6	1784.1	310.6	2124.5	3837.5	230.6	3640.7	1344.8
65°	26.7	65.7	95.9	77.4	115.0	121.9	37.1	194.1	354.3	182.6	362.0	90.2
70°	13.9	22.9	76.7	55.7	90.6	26.9	26.2	17.7	262.7	114.0	264.8	13.7
75°	3.4	15.3	45.5	20.9	45.2	22.1	19.3	11.5	99.5	3.4	101.4	3.4
80°	0.0	30.2	10.7	0.0	7.0	21.9	15.8	5.1	0.9	0.0	1.4	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family Silica® 31	Order number: 51MY6LDU34BA EAN: 4069025073235	LP number 59650_1
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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: 51MY6LDU34BA EAN: 4069025073235	LP number 59650_1
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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	5980	38.5
1	ON	OFF	OFF	OFF	5720	37.0
2	OFF	ON	OFF	OFF	5450	35.0
4	OFF	OFF	ON	OFF	5190	33.0
7	ON	ON	ON	OFF	4930	31.0
8	OFF	OFF	OFF	ON	4650	29.5
10	OFF	ON	OFF	ON	4360	28.0
12	OFF	OFF	ON	ON	4160	26.0
13	ON	OFF	ON	ON	3800	24.0
14	OFF	ON	ON	ON	3530	22.5