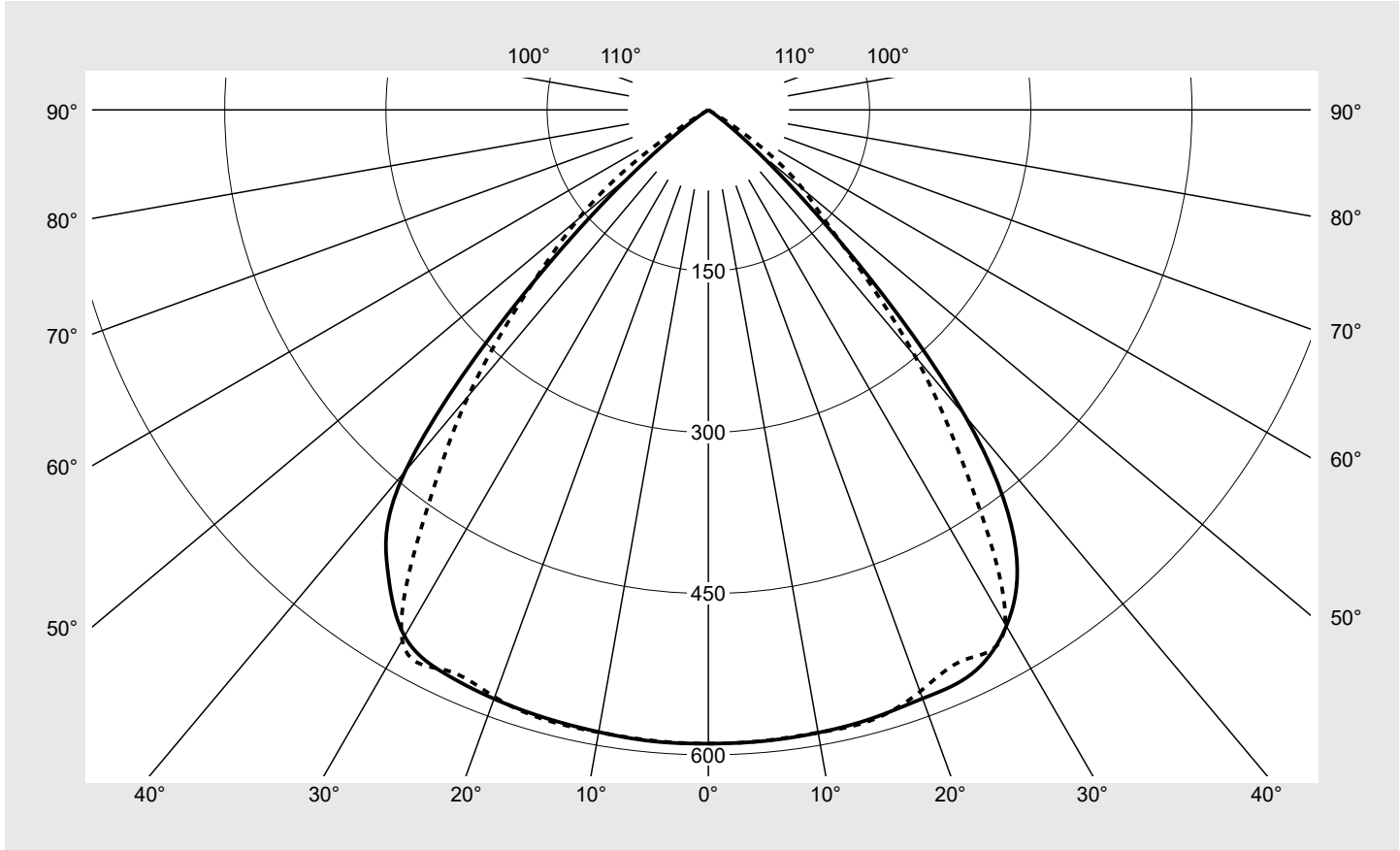


Photometric test report

Family Silica® 31	Order number: 51MY6LMS44BA EAN: 4069025073327	LP number 59650_5
	Version recessed luminaire for lay-in mounting, black, square M600, reflector, black, wide distribution, UGR≤19 (L65≤1000cd/m²)	serial documentation 28.06.2024
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Setting factory setting: DIP-Step=6 Rated values Net luminous flux = 4610 lm Power consumption = 26.0 W Luminous efficacy = 177.3 lm/W	



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: 51MY6LMS44BA EAN: 4069025073327	LP number 59650_5
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°	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: 51MY6LMS44BA EAN: 4069025073327	LP number 59650_5
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: 51MY6LMS44BA EAN: 4069025073327	LP number 59650_5
-----------------------------	--	-----------------------------

siteco

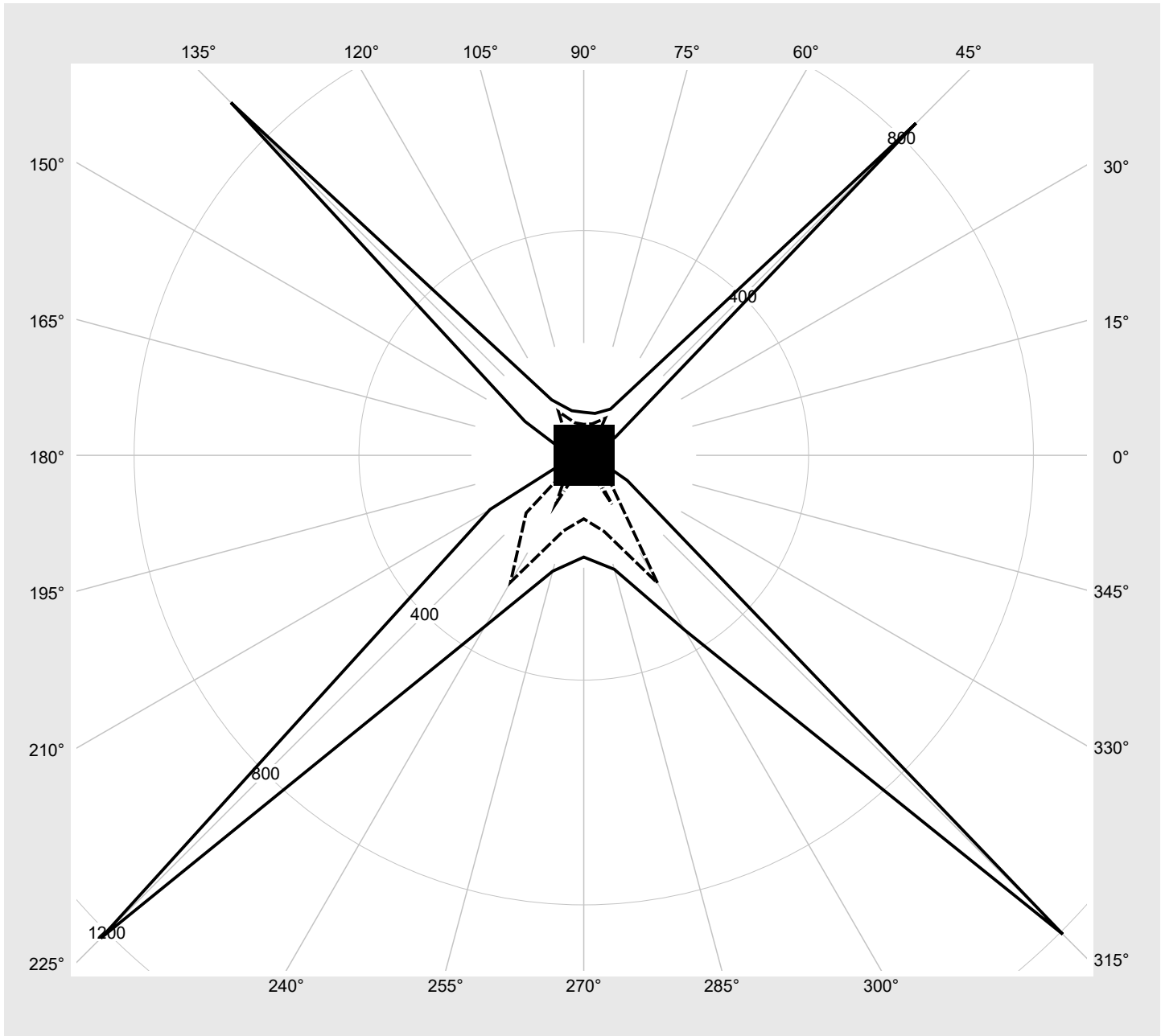
UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	19.8	21.1	20.1	21.4	21.7	19.7	21.1	20.1	21.4	21.7
	3H	19.6	20.8	20.0	21.1	21.5	19.6	20.8	20.0	21.1	21.5
	4H	19.6	20.7	20.0	21.0	21.4	19.5	20.6	19.9	21.0	21.3
	6H	19.5	20.5	19.9	20.9	21.2	19.5	20.4	19.9	20.8	21.2
	8H	19.5	20.4	19.9	20.8	21.2	19.5	20.4	19.9	20.7	21.1
	12H	19.5	20.3	19.9	20.7	21.1	19.5	20.3	19.9	20.7	21.1
4H	2H	19.6	20.7	20.0	21.0	21.4	19.5	20.6	19.9	21.0	21.4
	3H	19.5	20.3	19.9	20.7	21.1	19.4	20.3	19.8	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	19.2	19.9	19.7	20.3	20.8
	8H	19.3	19.9	19.7	20.3	20.8	19.2	19.8	19.7	20.2	20.7
	12H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.2	20.7
8H	4H	19.3	19.9	19.7	20.3	20.8	19.2	19.8	19.7	20.2	20.7
	6H	19.2	19.6	19.7	20.1	20.6	19.1	19.6	19.6	20.1	20.6
	8H	19.1	19.5	19.6	20.0	20.5	19.0	19.5	19.6	20.0	20.5
	12H	19.1	19.4	19.6	19.9	20.5	19.0	19.4	19.5	19.9	20.4
12H	4H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.2	20.7
	6H	19.1	19.5	19.6	20.0	20.5	19.1	19.5	19.6	20.0	20.5
	8H	19.1	19.4	19.6	19.9	20.5	19.0	19.4	19.5	19.9	20.4

Luminance table		Max. for $\gamma \geq 65^\circ$										Photometric dimensions in mm:		L = 240	B = 240		
C-planes	γ	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°				
		Luminance in cd/m ²															
45°		19653.6	21711.7	22254.6	19665.0	23000.8	23679.3	27795.5	26698.7	27456.4	26845.7	25443.5	25059.0				
50°		6622.9	7958.9	9429.3	14392.7	9122.0	11306.4	11437.0	12775.7	13621.6	19692.1	12514.4	10387.2				
55°		1143.5	3982.8	5661.3	8133.2	6143.6	4413.7	2431.3	5017.3	9203.8	11165.1	7562.9	5282.1				
60°		80.2	1025.9	2606.7	91.9	2502.8	1768.8	308.0	2106.2	3804.5	228.6	3609.4	1333.2				
65°		26.5	65.1	95.1	76.7	114.0	120.8	36.7	192.4	351.3	181.0	358.9	89.4				
70°		13.8	22.7	76.1	55.2	89.9	26.7	26.0	17.6	260.4	113.0	262.6	13.6				
75°		3.4	15.2	45.1	20.7	44.8	22.0	19.2	11.4	98.6	3.4	100.5	3.4				
80°		0.0	30.0	10.6	0.0	6.9	21.7	15.7	5.1	0.9	0.0	1.4	3.2				
85°		0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0				

Photometric test report

Family Silica® 31	Order number: 51MY6LMS44BA EAN: 4069025073327	LP number 59650_5
------------------------------------	--	------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Silica® 31	Order number: 51MY6LMS44BA EAN: 4069025073327	LP number 59650_5
-----------------------------	--	-----------------------------

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	6620	39.0
14	OFF	ON	ON	ON	6340	37.0
13	ON	OFF	ON	ON	6050	35.0
12	OFF	OFF	ON	ON	5770	33.0
10	OFF	ON	OFF	ON	5490	31.5
9	ON	OFF	OFF	ON	5220	30.0
8	OFF	OFF	OFF	ON	4870	28.0
6	OFF	ON	ON	OFF	4610	26.0
5	ON	OFF	ON	OFF	4330	24.5
4	OFF	OFF	ON	OFF	4050	22.5
2	OFF	ON	OFF	OFF	3740	21.0
1	ON	OFF	OFF	OFF	3430	19.0
0	OFF	OFF	OFF	OFF	3130	17.5