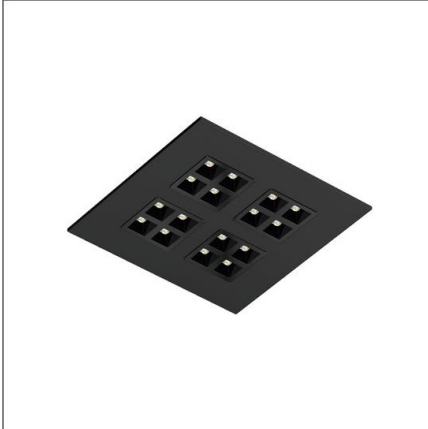


Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6LDU44BA
EAN: 4069025073280

LP-Nummer
59650_3



Ausführung Einbauleuchte für Einlegemontage, schwarz, quadratisch M625, Reflektor, schwarz, breit strahlend, UGR≤19 (L65≤1000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Werkseinstellung: DIP-Stufe=10

Bemessungswerte Nettolichtstrom = 4620 lm
Systemleistung = 28.0 W
Lichtausbeute = 165 lm/W

Seriendokumentation
28.06.2024

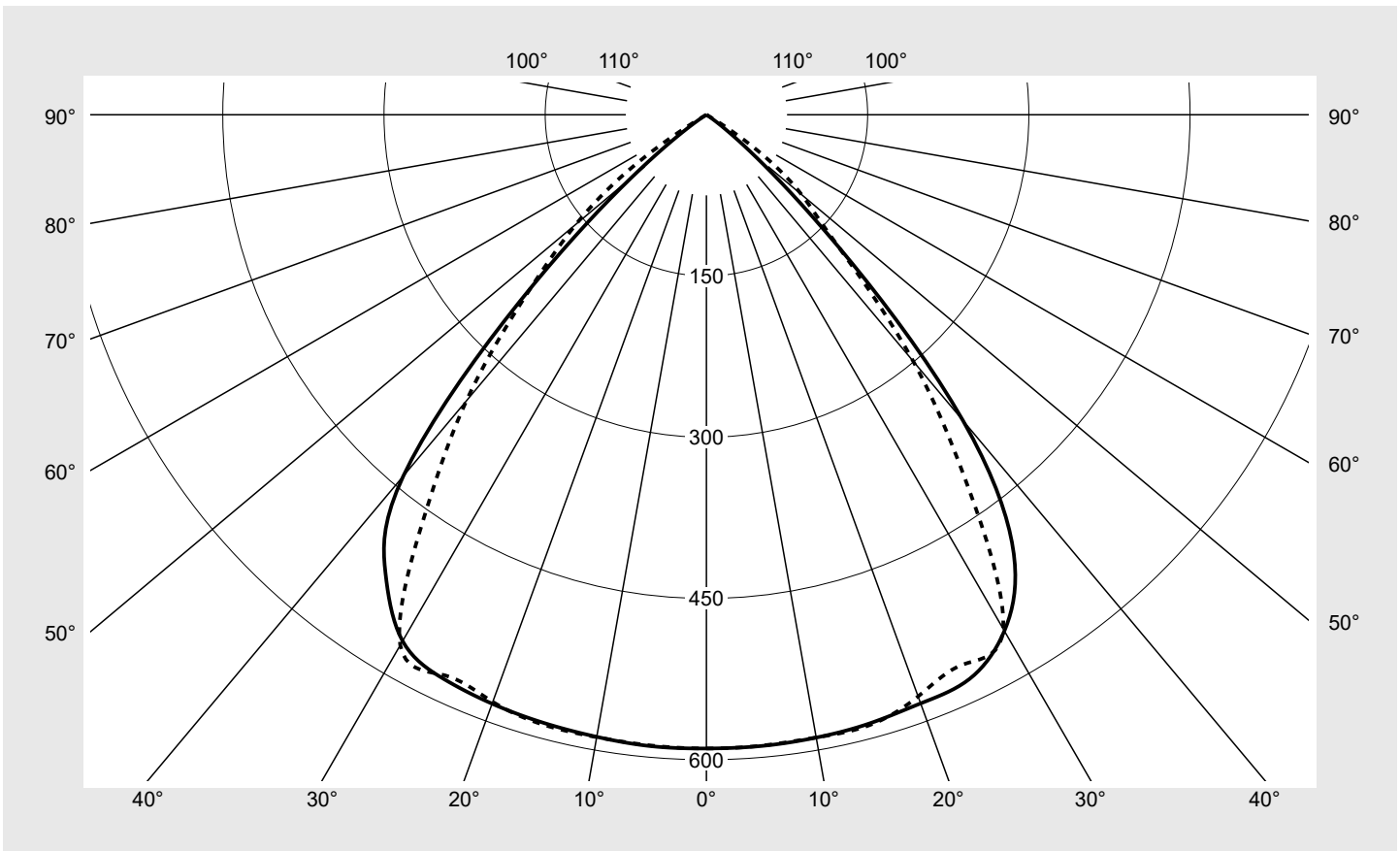
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 590 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=82 N2=100 N3=100
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LDU44BA EAN: 4069025073280	LP-Nummer 59650_3
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Lichtstärke 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

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LDU44BA EAN: 4069025073280	LP-Nummer 59650_3
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/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

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LDU44BA EAN: 4069025073280	LP-Nummer 59650_3
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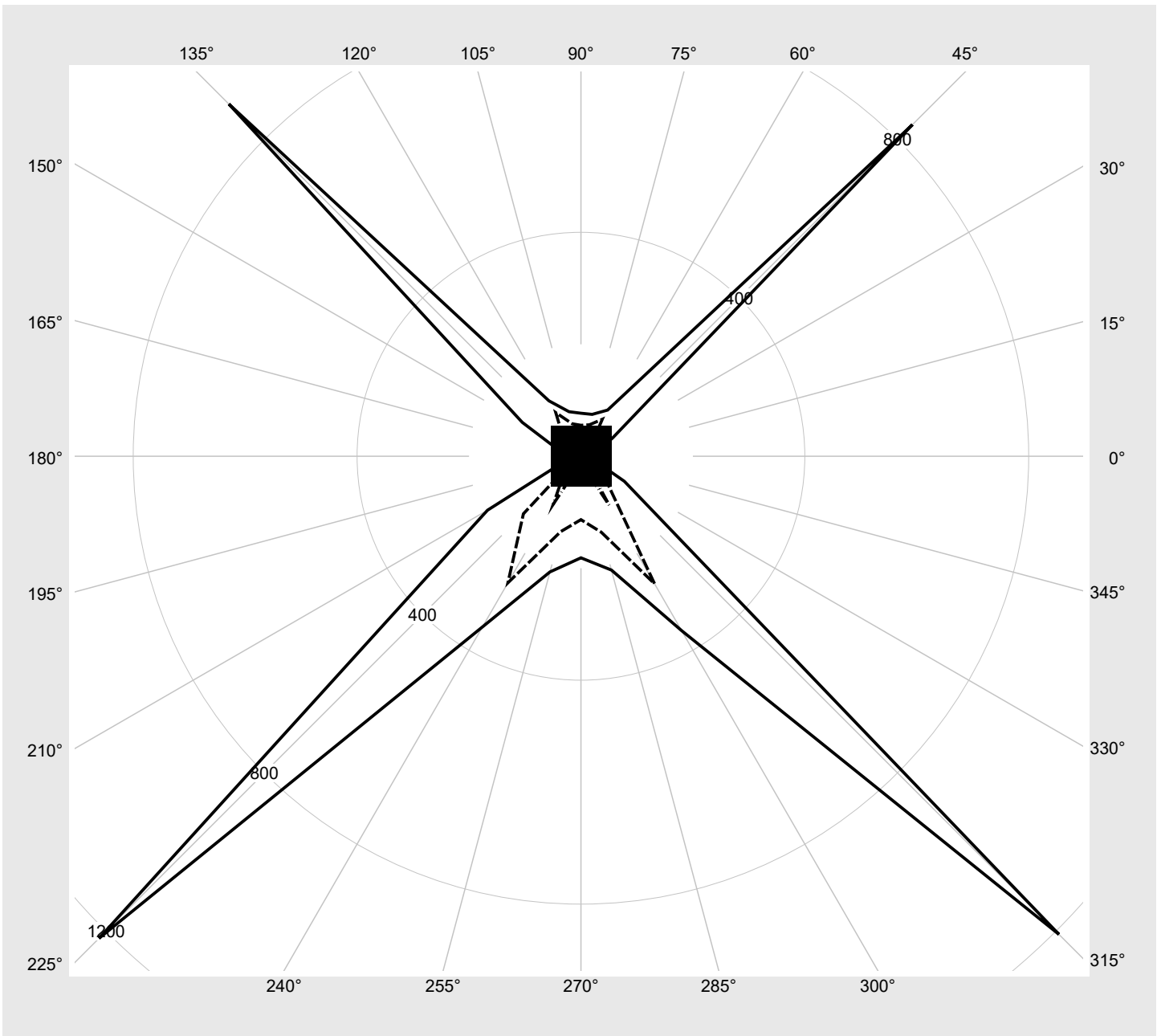
UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,8	21,1	20,1	21,4	21,7	19,7	21,1	20,1	21,4	21,7
	3H	19,7	20,8	20,0	21,2	21,5	19,6	20,8	20,0	21,1	21,5
	4H	19,6	20,7	20,0	21,0	21,4	19,5	20,6	19,9	21,0	21,3
	6H	19,5	20,5	19,9	20,9	21,3	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	19,6	20,6	20,0	21,0	21,4
	3H	19,5	20,3	19,9	20,7	21,2	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	20,3	20,7
	12H	19,3	19,8	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	20,3	20,7
	6H	19,2	19,7	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	20,6	19,1	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	19,3	19,8	19,7	20,2	20,7	19,2	19,7	19,7	20,2	20,7
	6H	19,1	19,5	19,7	20,0	20,6	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

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 240 B = 240											
		Max. für $\gamma \geq 65^\circ$											
C-Ebenen	γ	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
		Leuchtdichte in cd/m ²											
45°		19696.3	21758.8	22302.8	19707.6	23050.7	23730.7	27855.8	26756.6	27515.9	26904.0	25498.7	25113.3
50°		6637.3	7976.2	9449.7	14423.9	9141.8	11331.0	11461.9	12803.4	13651.2	19734.8	12541.6	10409.7
55°		1146.0	3991.4	5673.5	8150.8	6157.0	4423.2	2436.6	5028.2	9223.8	11189.4	7579.3	5293.6
60°		80.4	1028.1	2612.4	92.1	2508.3	1772.6	308.6	2110.8	3812.8	229.1	3617.2	1336.1
65°		26.6	65.3	95.3	76.9	114.3	121.1	36.8	192.8	352.1	181.4	359.7	89.6
70°		13.8	22.7	76.2	55.3	90.1	26.7	26.0	17.6	261.0	113.3	263.1	13.6
75°		3.4	15.2	45.2	20.8	44.9	22.0	19.2	11.5	98.9	3.4	100.7	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	17.5	0.0	0.0	0.0	0.0	0.0

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LDU44BA EAN: 4069025073280	LP-Nummer 59650_3
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6LDU44BA
EAN: 4069025073280

LP-Nummer
59650_3

Multilumen-Tabelle

Umgebungstemperatur: 25°C



DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
0	OFF	OFF	OFF	OFF	6310	38.5
1	ON	OFF	OFF	OFF	6040	37.0
2	OFF	ON	OFF	OFF	5750	35.0
4	OFF	OFF	ON	OFF	5470	33.0
7	ON	ON	ON	OFF	5200	31.0
8	OFF	OFF	OFF	ON	4890	29.5
10	OFF	ON	OFF	ON	4620	28.0
12	OFF	OFF	ON	ON	4340	26.0
13	ON	OFF	ON	ON	4000	24.0
14	OFF	ON	ON	ON	3720	22.5