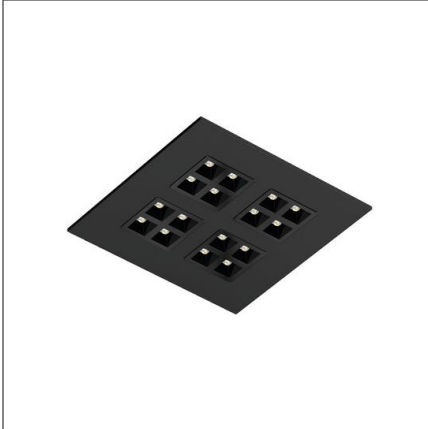


Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6LDU34BA
EAN: 4069025073235

LP-Nummer
59650_1



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

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Werkseinstellung: DIP-Stufe=8

Bemessungswerte Nettolichtstrom = 4650 lm
Systemleistung = 29.5 W
Lichtausbeute = 157.6 lm/W

Seriendokumentation
28.06.2024

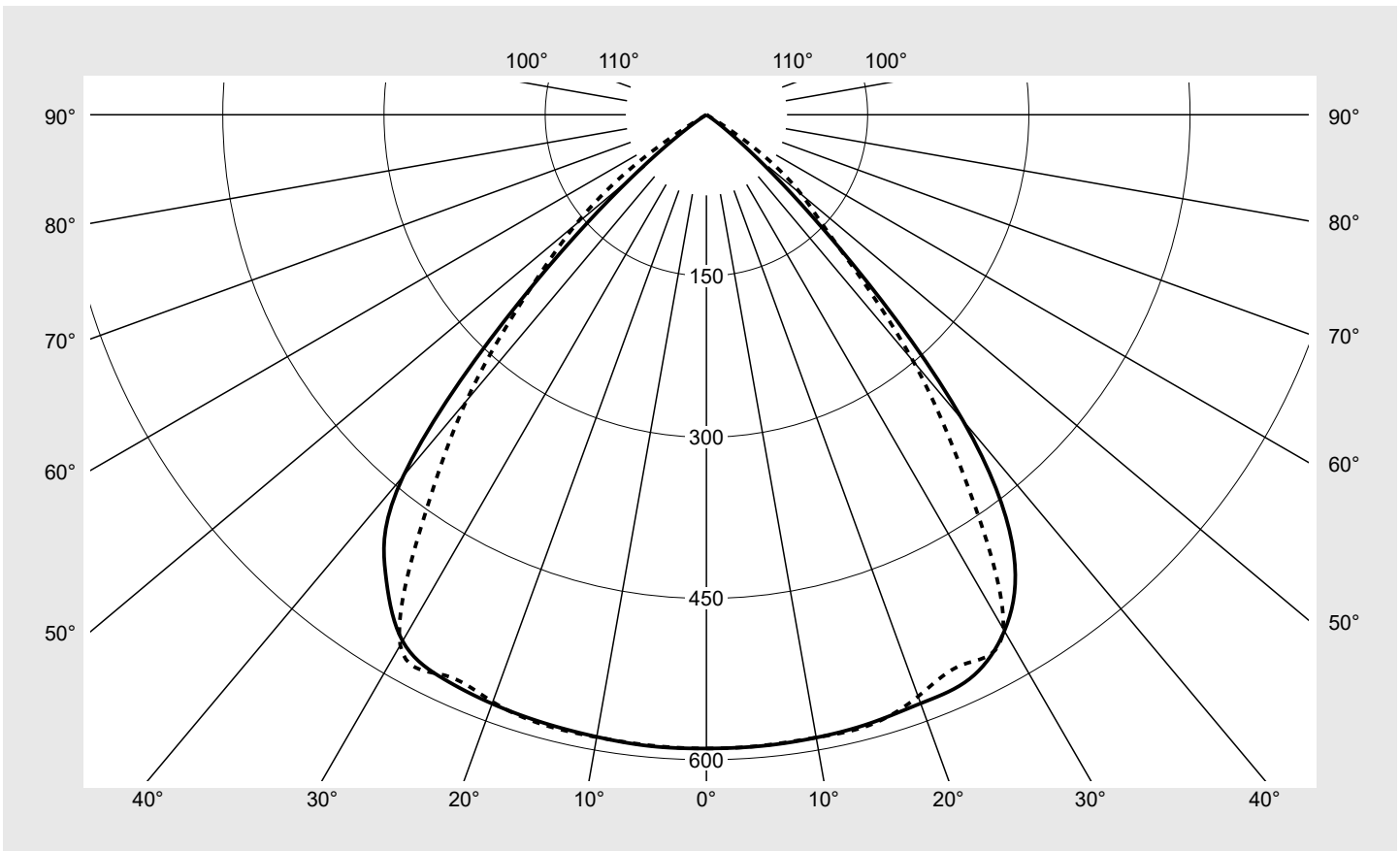
siteco

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.: 51MY6LDU34BA EAN: 4069025073235	LP-Nummer 59650_1
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.: 51MY6LDU34BA EAN: 4069025073235	LP-Nummer 59650_1
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.: 51MY6LDU34BA EAN: 4069025073235	LP-Nummer 59650_1
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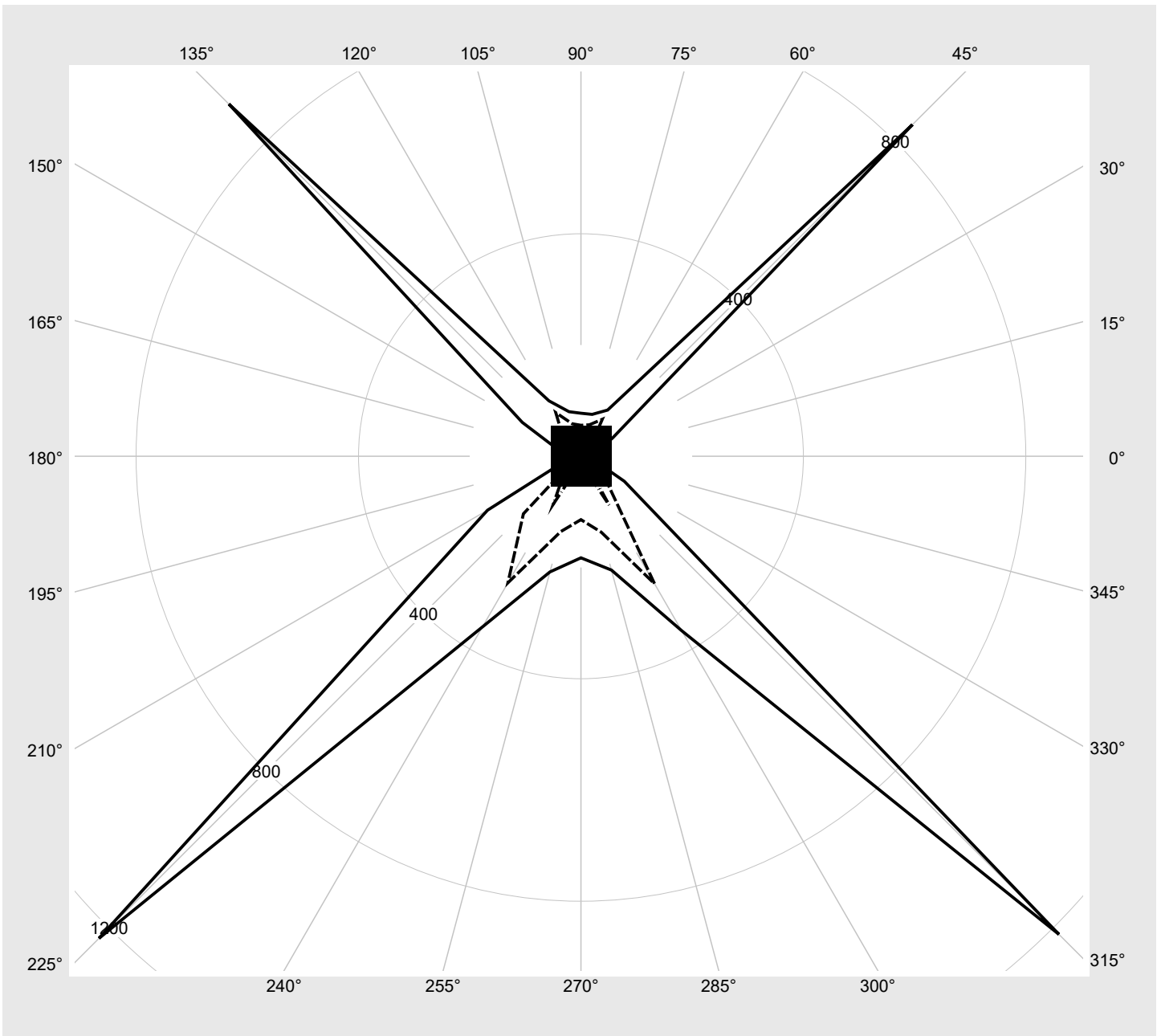
UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,8	21,1	20,2	21,4	21,8	19,8	21,1	20,1	21,4	21,7
	3H	19,7	20,8	20,1	21,2	21,5	19,6	20,8	20,0	21,1	21,5
	4H	19,6	20,7	20,0	21,0	21,4	19,6	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

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 240 B = 240											
C-Ebenen		Leuchtdichte in cd/m²											
γ		0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
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	

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LDU34BA EAN: 4069025073235	LP-Nummer 59650_1
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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.: 51MY6LDU34BA EAN: 4069025073235	LP-Nummer 59650_1
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Multilumen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [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