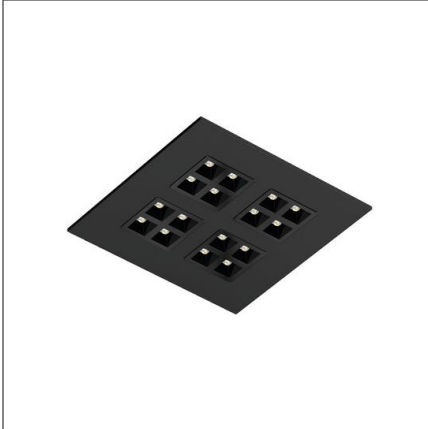


Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6LMU34BA
EAN: 4069025073358

LP-Nummer
59650_4



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

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=8

Bemessungswerte Nettolichtstrom = 4600 lm
Systemleistung = 28.0 W
Lichtausbeute = 164.3 lm/W

Seriendokumentation
28.06.2024

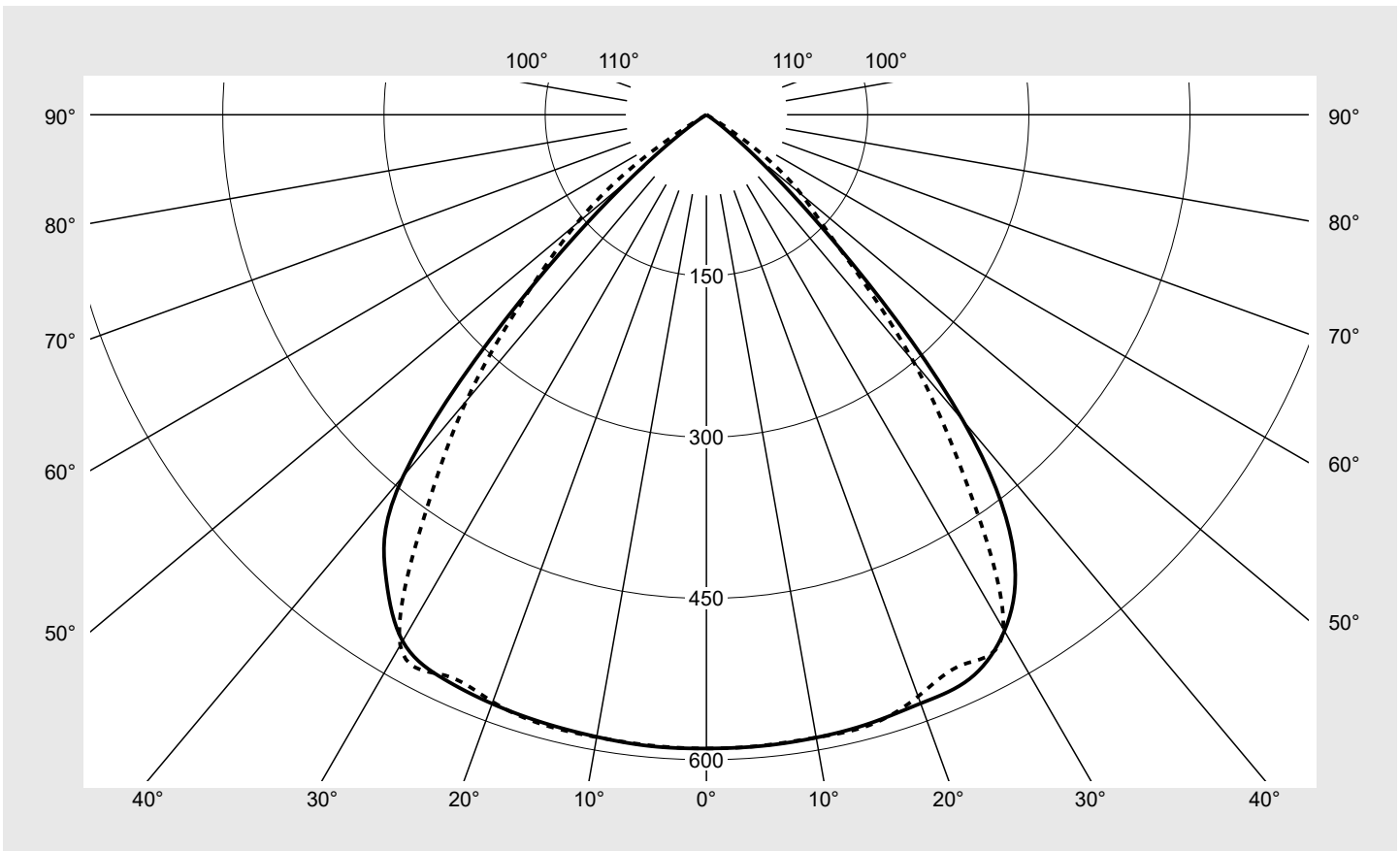
siteco

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.: 51MY6LMU34BA EAN: 4069025073358	LP-Nummer 59650_4
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.: 51MY6LMU34BA EAN: 4069025073358	LP-Nummer 59650_4
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

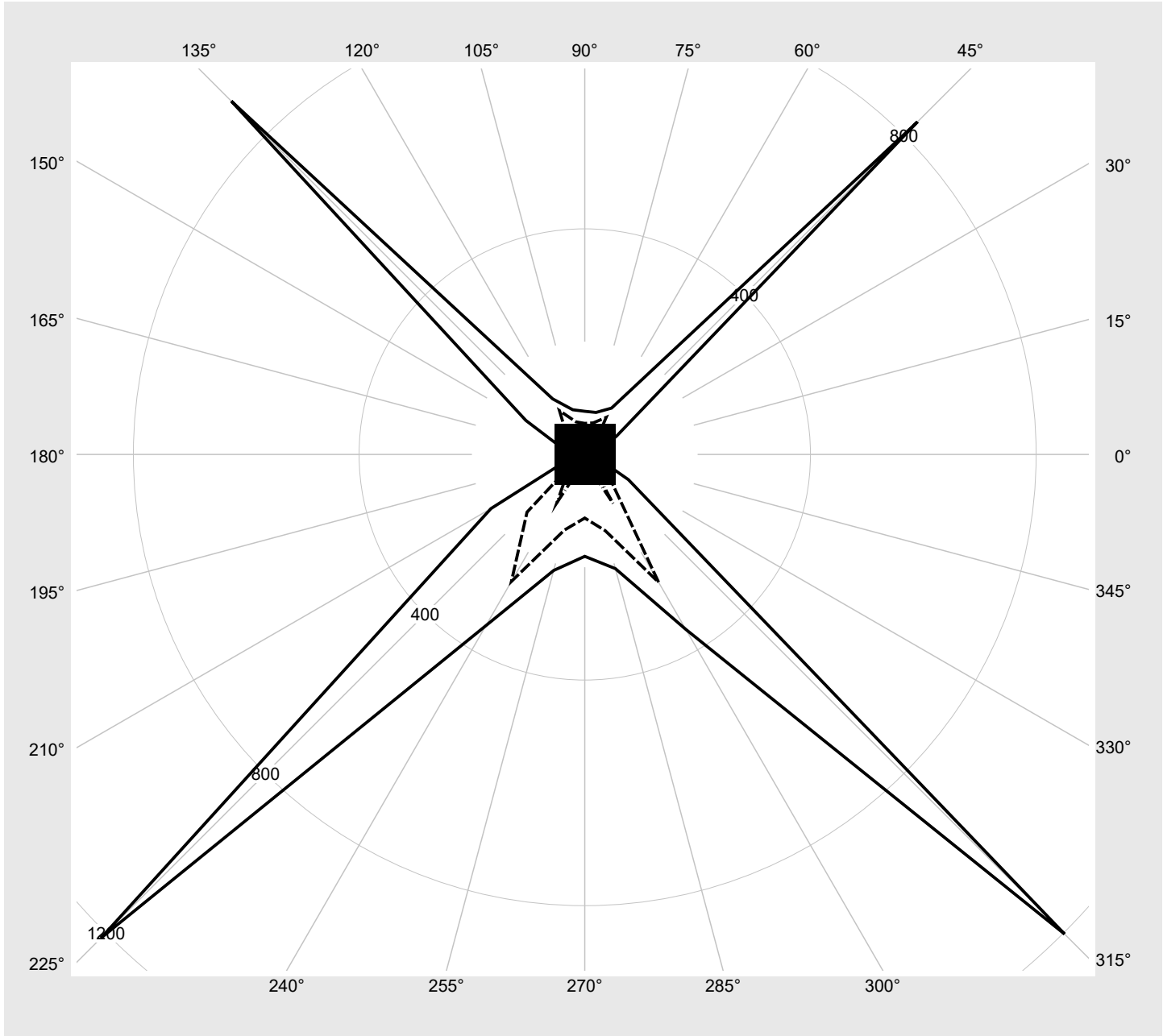
Familie Silica® 31	Bestell-Nr.: 51MY6LMU34BA EAN: 4069025073358	LP-Nummer 59650_4
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,8	21,1	20,1	21,4	21,7	19,7	21,1	20,1	21,4	21,7
	3H	19,6	20,8	20,0	21,1	21,5	19,6	20,8	20,0	21,1	21,5
	4H	19,6	20,6	20,0	21,0	21,4	19,5	20,6	19,9	21,0	21,3
	6H	19,5	20,5	19,9	20,8	21,2	19,5	20,4	19,9	20,8	21,2
	8H	19,5	20,4	19,9	20,8	21,2	19,4	20,3	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	21,3
	3H	19,5	20,3	19,9	20,7	21,1	19,4	20,3	19,8	20,7	21,1
	4H	19,4	20,1	19,8	20,6	21,0	19,3	20,1	19,8	20,5	20,9
	6H	19,3	20,0	19,8	20,4	20,9	19,2	19,9	19,7	20,3	20,8
	8H	19,3	19,8	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	20,1	20,6
8H	4H	19,3	19,8	19,7	20,3	20,8	19,2	19,8	19,7	20,2	20,7
	6H	19,2	19,6	19,6	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	19,5	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	20,1	20,6
	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

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°		19611.0	21664.6	22206.3	19622.3	22950.9	23628.0	27735.2	26640.8	27396.8	26787.5	25388.3	25004.6
50°		6608.5	7941.7	9408.8	14361.5	9102.2	11281.9	11412.2	12748.0	13592.1	19649.3	12487.3	10364.6
55°		1141.0	3974.1	5649.0	8115.5	6130.3	4404.1	2426.0	5006.4	9183.8	11140.9	7546.5	5270.7
60°		80.0	1023.7	2601.1	91.7	2497.4	1764.9	307.3	2101.6	3796.3	228.1	3601.6	1330.3
65°		26.5	65.0	94.9	76.5	113.8	120.6	36.7	192.0	350.5	180.7	358.1	89.2
70°		13.8	22.6	75.9	55.1	89.7	26.6	25.9	17.5	259.9	112.8	262.0	13.5
75°		3.4	15.1	45.0	20.7	44.7	21.9	19.1	11.4	98.4	3.4	100.3	3.4
80°		0.0	29.9	10.6	0.0	6.9	21.6	15.6	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

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LMU34BA EAN: 4069025073358	LP-Nummer 59650_4
Leuchtdichten in cd/m²		siteco



Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6LMU34BA EAN: 4069025073358	LP-Nummer 59650_4
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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		
15	ON	ON	ON	ON	6250	39.0
14	OFF	ON	ON	ON	5990	37.0
13	ON	OFF	ON	ON	5720	35.0
12	OFF	OFF	ON	ON	5450	33.0
10	OFF	ON	OFF	ON	5180	31.5
9	ON	OFF	OFF	ON	4930	30.0
8	OFF	OFF	OFF	ON	4600	28.0
6	OFF	ON	ON	OFF	4340	26.0
5	ON	OFF	ON	OFF	4090	24.5
4	OFF	OFF	ON	OFF	3820	22.5
2	OFF	ON	OFF	OFF	3530	21.0
1	ON	OFF	OFF	OFF	3240	19.0
0	OFF	OFF	OFF	OFF	2950	17.5