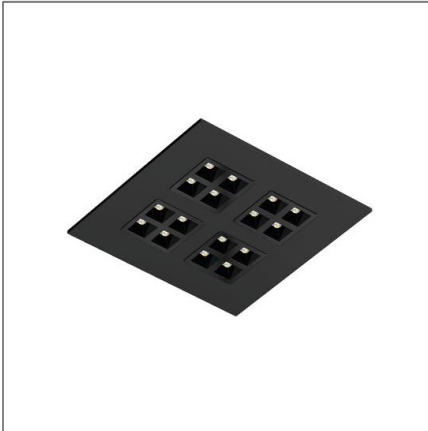


Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6LMS34BA
EAN: 4069025073297

LP-Nummer
59650_7



Ausführung	Einbauleuchte für Einlegemontage, schwarz, quadratisch M600, Reflektor, schwarz, breit strahlend, UGR≤19 (L65≤1000cd/m ²)
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

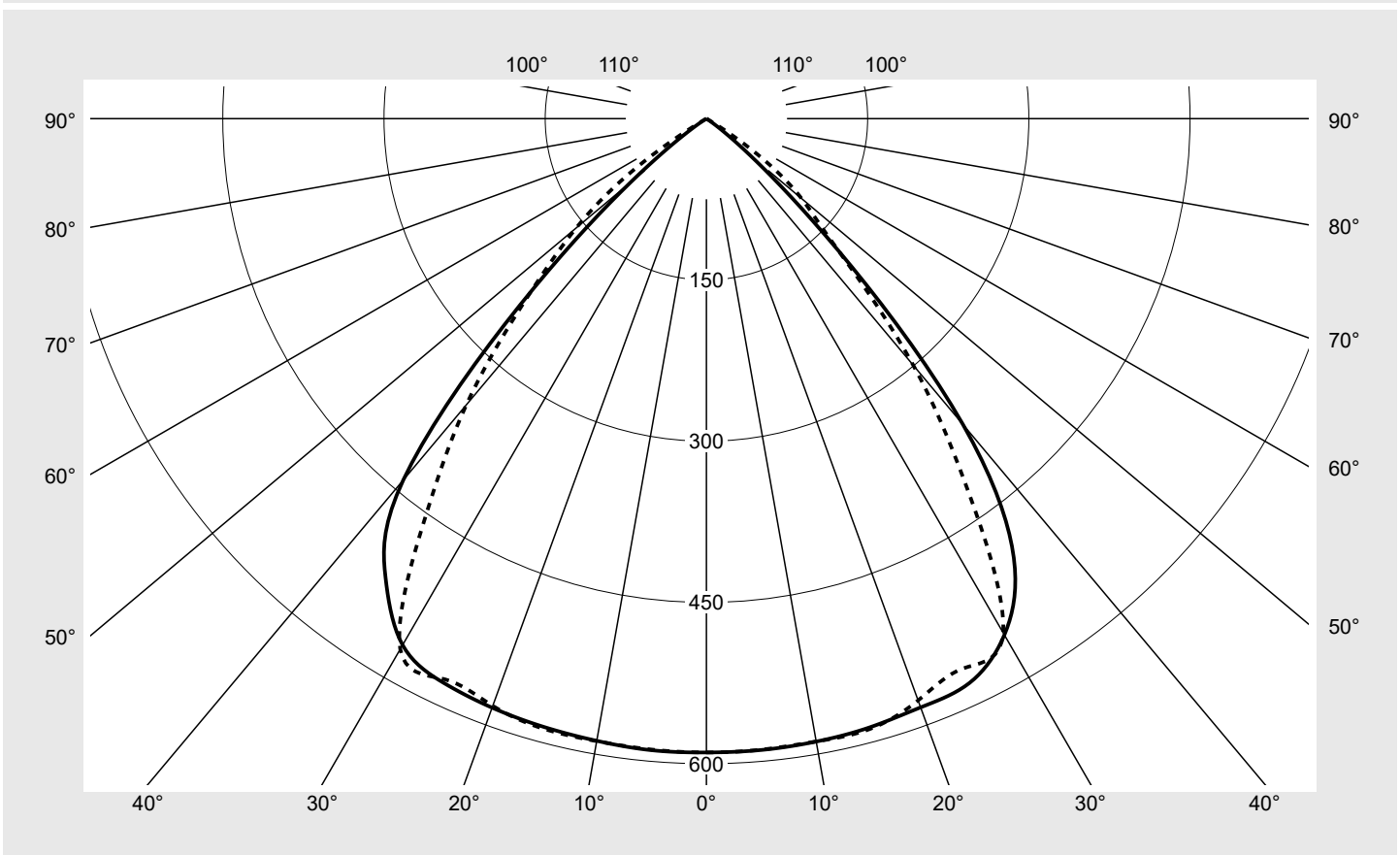
siteco

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.: 51MY6LMS34BA EAN: 4069025073297	LP-Nummer 59650_7
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.: 51MY6LMS34BA EAN: 4069025073297	LP-Nummer 59650_7
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.: 51MY6LMS34BA EAN: 4069025073297	LP-Nummer 59650_7
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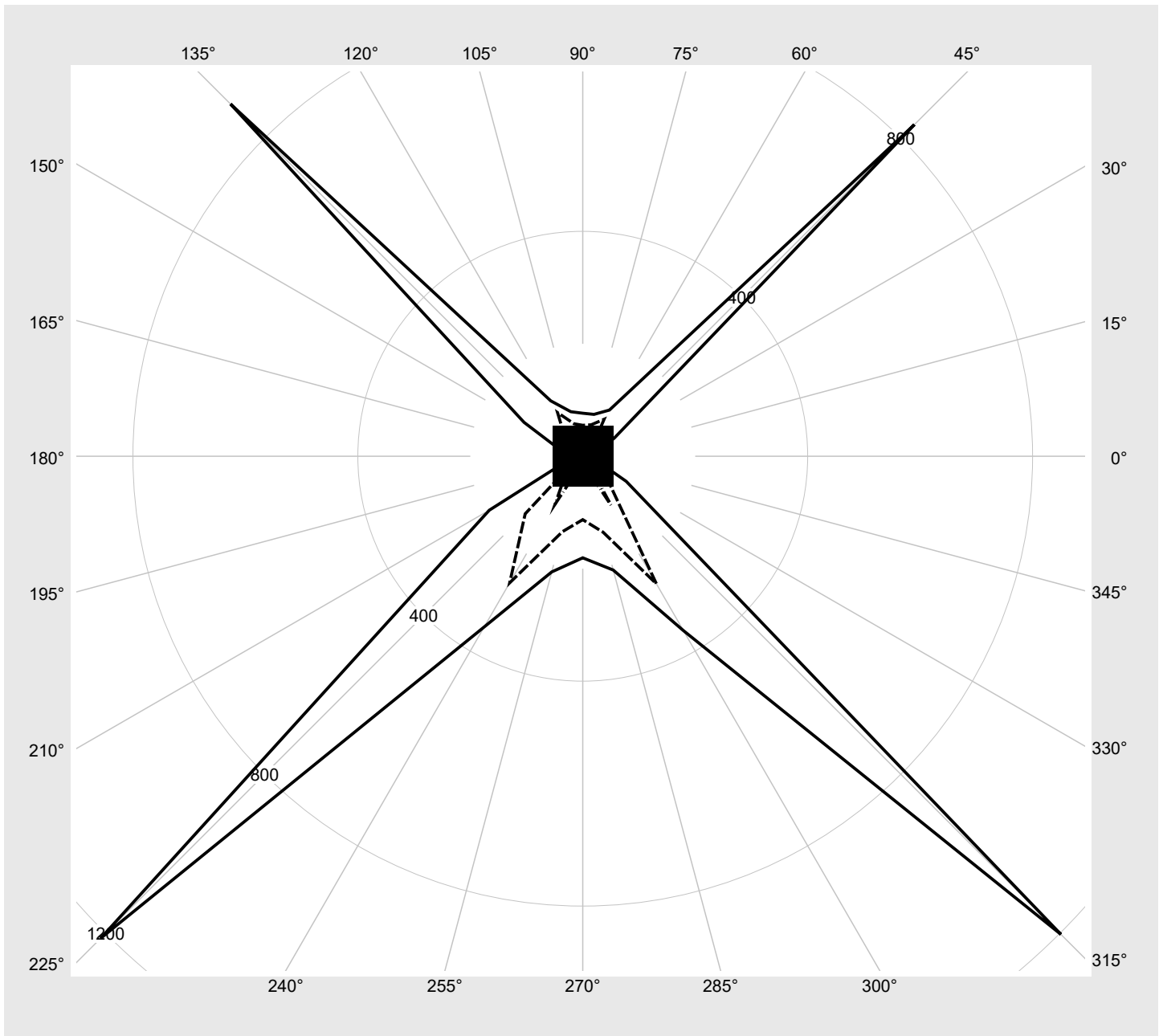
UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,8	21,1	20,1	21,4	21,7	19,7	21,1	20,1	21,4	21,7
	3H	19,6	20,8	20,0	21,1	21,5	19,6	20,8	20,0	21,1	21,5
	4H	19,6	20,6	20,0	21,0	21,4	19,5	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											
C-Ebenen		Max. für $\gamma \geq 65^\circ$											
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.: 51MY6LMS34BA EAN: 4069025073297	LP-Nummer 59650_7
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6LMS34BA
EAN: 4069025073297

LP-Nummer
59650_7

Multilumen-Tabelle

Umgebungstemperatur: 25°C



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