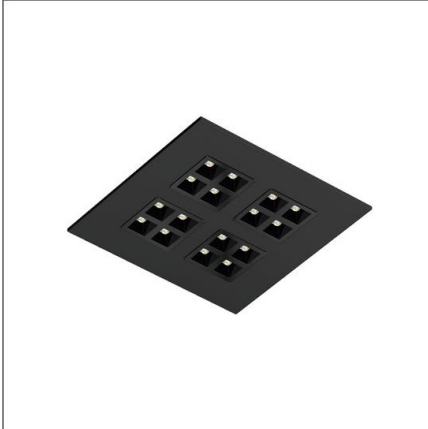


## Lichttechnischer Prüfbefund

Familie  
Silica® 31

Bestell-Nr.: 51MY6LMS44BA  
EAN: 4069025073327

LP-Nummer  
59650\_5



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen

**Einstellung** Werkseinstellung: DIP-Stufe=6

**Bemessungswerte** Nettolichtstrom = 4610 lm  
Systemleistung = 26.0 W  
Lichtausbeute = 177.3 lm/W

Seriendokumentation  
28.06.2024

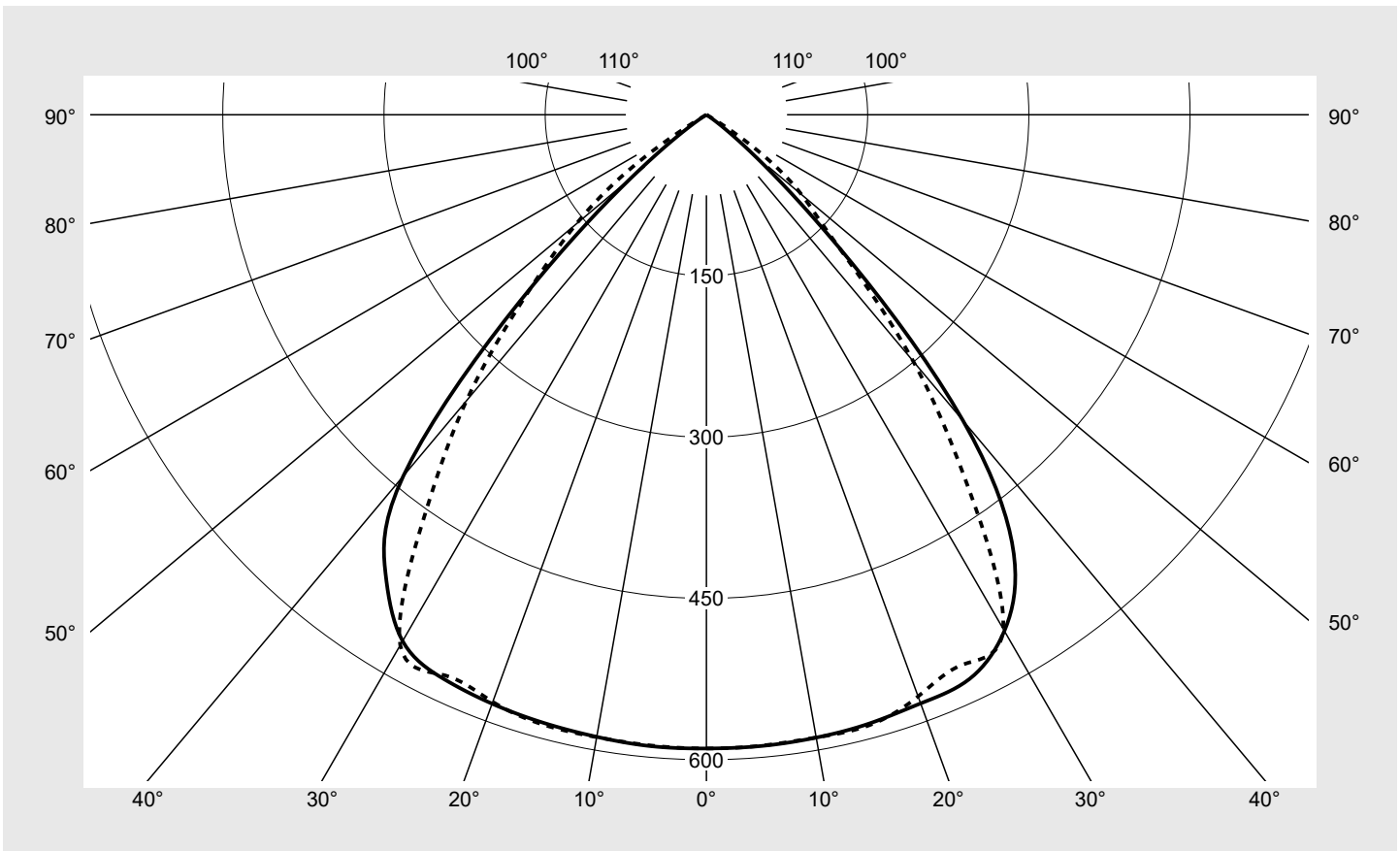
siteco

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

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

#### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6LMS44BA</b> <b>EAN: 4069025073327</b>	<b>LP-Nummer</b> <b>59650_5</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
$\gamma$	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

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6LMS44BA</b> <b>EAN: 4069025073327</b>	<b>LP-Nummer</b> <b>59650_5</b>
-------------------------------------	---	------------------------------------

<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
--	-----------------------------	---------------

C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
$\gamma$	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

<b>Familie</b> Silica® 31	<b>Bestell-Nr.: 51MY6LMS44BA</b> <b>EAN: 4069025073327</b>	<b>LP-Nummer</b> 59650_5
------------------------------	---	-----------------------------

UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
<b>2H</b>	<b>2H</b>	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
<b>4H</b>	<b>2H</b>	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
<b>8H</b>	<b>4H</b>	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
<b>12H</b>	<b>4H</b>	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

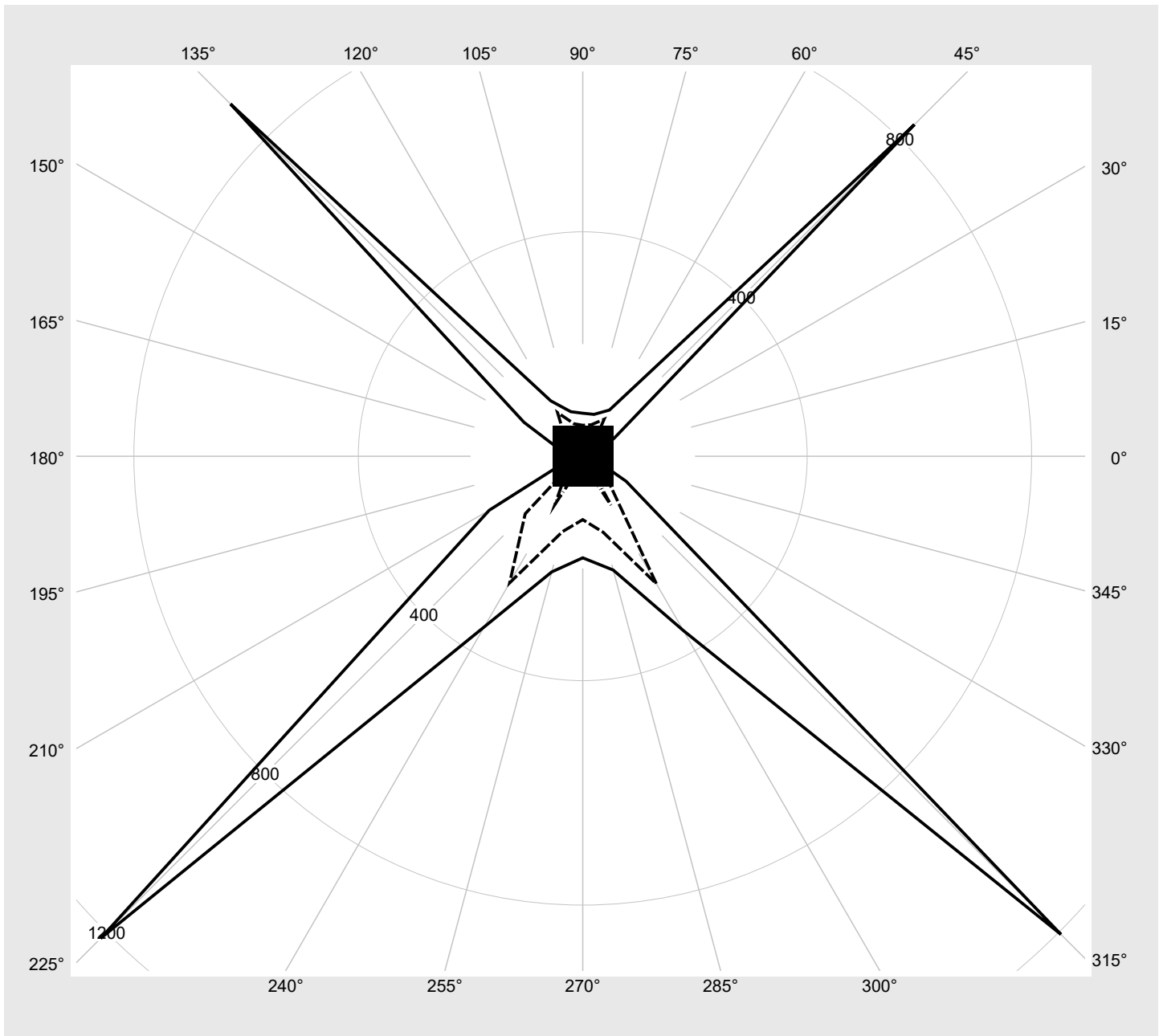
siteco

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

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6LMS44BA</b> <b>EAN: 4069025073327</b>	<b>LP-Nummer</b> <b>59650_5</b>
-------------------------------------	---	------------------------------------

**Leuchtdichten in cd/m²**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°



## Lichttechnischer Prüfbefund

Familie  
Silica® 31

Bestell-Nr.: 51MY6LMS44BA  
EAN: 4069025073327

LP-Nummer  
59650\_5

## Multilumen-Tabelle

Umgebungstemperatur: 25°C



DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [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